OPHARDT
HYGIENE

2021
GENERAL CATALOGUE

BREAK THE CHAIN OF INFECTION

To break the chain of infection, we need to start with our hands. Our hands hold endless potential to heal, help, and create. They can also carry disease and harm. Eighty-percent of all infectious diseases are spread through hands. Hand hygiene affects us all. The power to live longer, healthier lives is in our hands.

Our mission at OPHARDT Hygiene is to Break The Chain Of Infection. We invent and create equipment and software solutions to do just that. As the dispensing experts, we are uniquely focussed on dispensing.

Like so many innovative companies, our story starts in a garage. Hermann Ophardt, a persistent inventor and designer, prototyped Europe's most iconic dispenser, the ingo-man® in 1967. It was the first dispenser capable of reliably dispensing alcohol-based disinfectant.

Since then, we have never stopped innovating. Over 400 patents and 7 production locations later, we continue to work tirelessly to break the chain of infection.

We are still persistent perfectionists. We do not just design the world's best soap and disinfectant pumps, we manufacture them in-house. When our engineers want to check on our manufacturing process, they do not have to book a flight. They just walk down the hall.

From the most advanced medical facility to the most demanding public space, we solve the problems of hand hygiene through obsessive engineering, deep research, and manufacturing excellence.

An innovator for over 50 years, OPHARDT Hygiene will work
hand in hand with you to break the chain of infection.
www.ophardt.com

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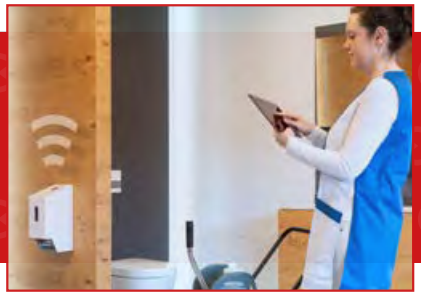
OPHARDT Intelligent Solutions
Connect smart dispensers with smart software

Page 6

SanTRAL® Plus
Intelligent equipment for smart washrooms



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ingo-man® smart
Smart system for clinical hygiene monitoring

Page 10

KX Smart
Smart cartridge system for hygiene monitoring

Page 12

PRAESIDIO®
New stands for the disinfectant dispenser

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RX 10 M
Universal dispenser, now also for 1000 ml bottles

Page 16

INNOVATIONS 2021

The **COVID-19 pandemic** revealed the importance of hand hygiene for infection control. Hand sanitizer dispensers are now commonplace in the entrance areas of office buildings and public places.

The demand for hand hygiene products has been unprecedented. We have **invested heavily** over the past year to meet those demands. In order to protect as many people as possible against the coronavirus and other infectious diseases, these investments will continue.

One way that we are investing in a safer future is by **innovating smart products**. We believe that digital hygiene solutions will unlock tremendous benefits for our customers. With **OPHARDT Intelligent Solutions (OIS)**, we offer deeply integrated hardware and software solutions for different areas of application.

While a key focus, our innovations are not limited to digital solutions. We are constantly optimizing our **standard product portfolio**. Through close dialogue with users, we are using 57 years of dispensing expertise to deliver exception hand hygiene products.

Find out more about our 2021 innovations in the following pages:

OPHARDT Intelligent Solutions 6
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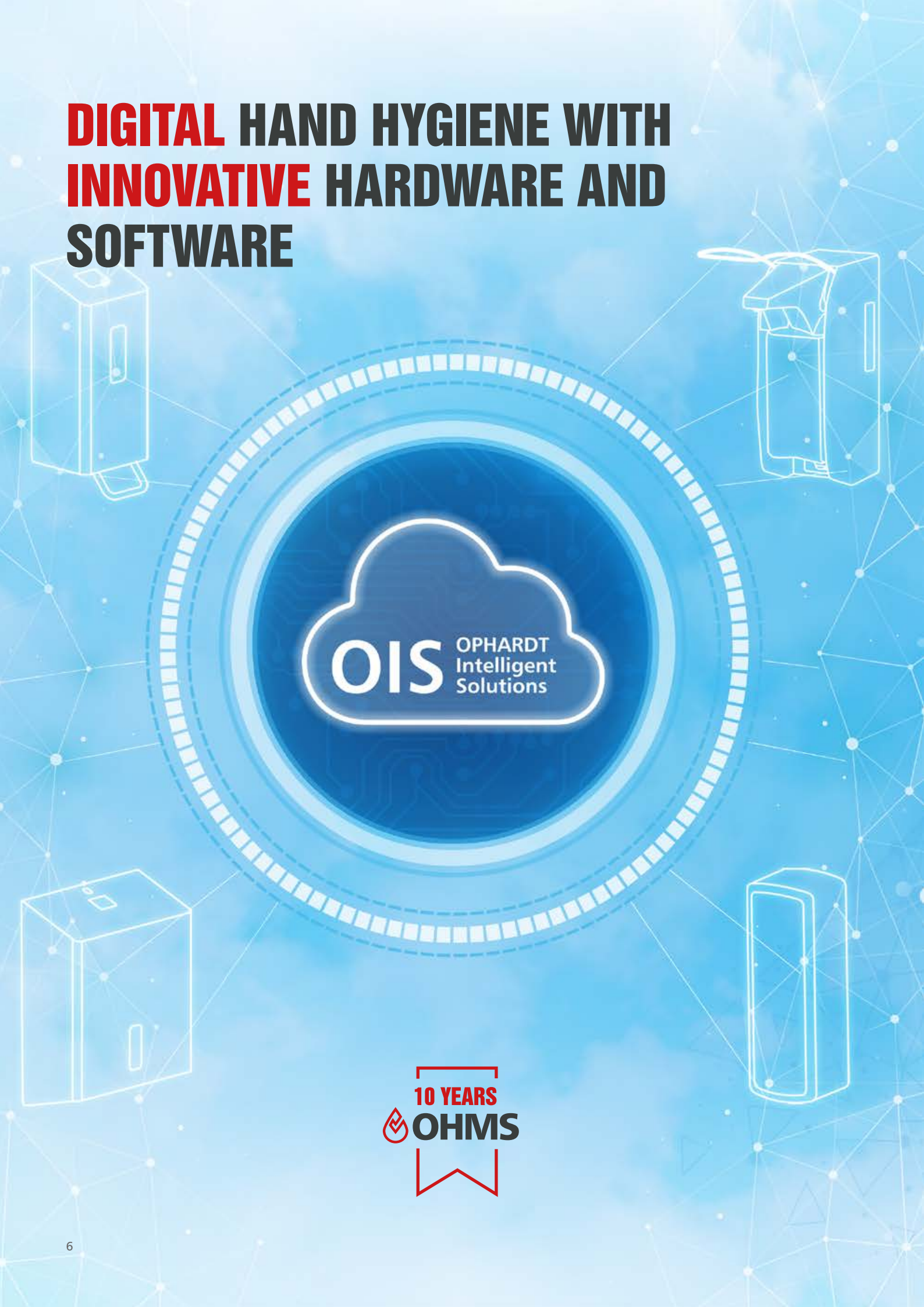
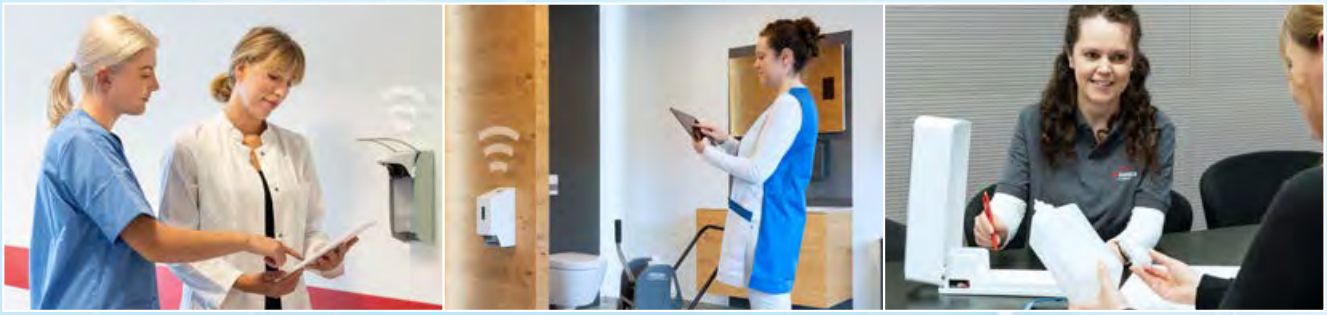
ingo-man® smart 10
KX Smart 12
PRAESIDIO® 14
RX 10 M 16

DIGITAL HAND HYGIENE WITH INNOVATIVE HARDWARE AND SOFTWARE



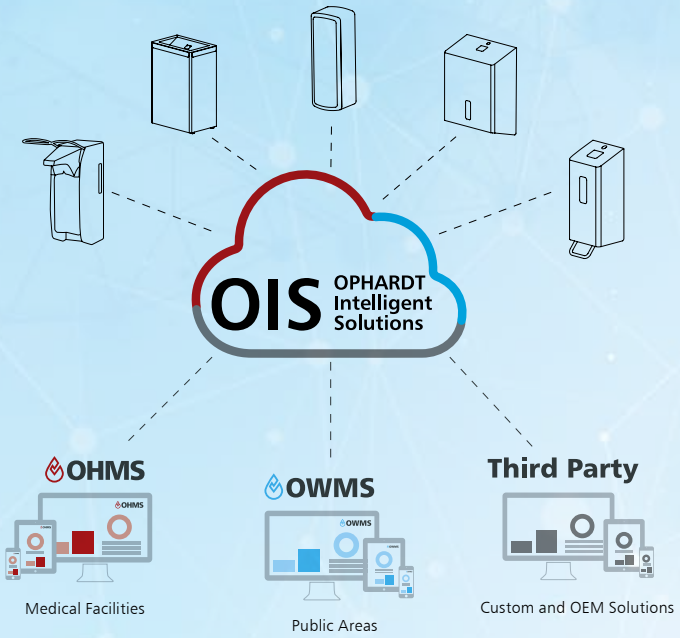
10 YEARS
OHMS

OPHARDT Intelligent Solutions
Hygiene made digital



Digitization has brought about many hand hygiene improvements. The COVID-19 pandemic has shown that a steady supply of filling materials and the regular maintenance of hygiene dispensers are important for breaking the chains of infection. **New digital solutions** help ensure that dispensers are always working, are never empty, and can even shape hand hygiene behaviour.

OPHARDT Intelligent Solutions (OIS) offer a comprehensive portfolio of networked hygiene solutions with integrated dispensers and software. OIS is built to be flexibile. On the hardware side, OPHARDT offers smart hygiene dispensers in Euro bottle format, as refillable systems, or cartridge systems. Users also have a choice between solutions for the healthcare sector or for public washrooms. Integrations with other software solutions can also be created. With OPHARDT Intelligent Solutions, you get to experience the future of hygiene.



SanTRAL® Plus

Flexible. Reliable. Digital.

Watch the SanTRAL® Plus webinar.

Developed for you: new functions via smart technology

- Refresh your washroom with a new design
- Impress your customers with the best service
- Use the latest technology

Learn more on page 96 or visit our showroom.

70%
11%
67%

INGO-MAN® STAYS SMART

ingo-man® smart is the hardware that enables reliable and fully automated hand hygiene monitoring in healthcare. For a decade, this smart dispenser system has been helping hygiene professionals improve hand hygiene compliance.

Innovations like the **ingo-man® SmartNose** help hospitals protect against infection by recording hand hygiene behavior and directly improve behaviour by providing visual feedback with a green LED on the dispenser.

For new purchases, the ingo-man® SmartNose can come pre-installed in an integrated Euro dispenser. However, for those with existing **ingo-man® plus** devices, you can simply retrofit your existing manual dispenser systems in just a few seconds. Read more about the complete portfolio of the ingo-man® smart series, starting on page 50.

See the installation video featuring a quick swap of the dispensing panel

KX IS SMART

Get a dispenser that can do it all. Flexible and smart, the **KX Smart Touchless** combines the advantages of a cartridge dispenser with the benefits of a connected device. While its compact form can fit into any space, its customizable design can stand out in any environment.

The KX Smart Touchless offers different levels of customization. You can just buy it off the shelf with no customizations. If you are an organization that needs your dispenser to be on-brand, you can order KX dispensers with custom colours and designs. Need even greater customization? OEM partners can connect the KX Smart Touchless to their own smart software.

Together, the KX Smart Touchless and **OPHARDT Intelligent Solutions (OIS)** records important data on hand hygiene compliance and the status of the dispenser. Battery level, fill level, and frequency of use are all automatically recorded.

This feedback, sent to the cloud and accessible on any device, can increase efficiency, reduce costs, and improve hand hygiene behaviour. The KX Smart Touchless goes a step further and offers feedback directly to the user. An integrated feedback LED lets users know when they have dispensed the recommended amount of disinfectant.

Various versions of the KX dispensers can be found starting on page 146.

PRAESIDIO® - STRIKINGLY HYGIENIC

We now offer these PRAESIDIO® products:

Two new columns in different sizes

Learn more on page 74

ALCOGEL

Reliable alcogel pump for pleasant hand disinfection

Learn more on page 74

Hygiene opens doors - thanks to Bluetooth automatic door activation

Learn more on page 74

Head-turning hand hygiene

The choice is yours: the front of the PRAESIDIO® can be designed according to your wishes and can seamlessly fit into your environment.

Strengthen your brand with customized graphics

Learn more about our Hygiene Stations:
https://www.ophardt.com/en/hygiene-stations

RX 10 M EURO DISPENSER

The RX dispenser series has grown with the addition of the manual **RX 10 M** Euro dispenser. The 1-litre plastic, Euro bottle dispenser for soaps, lotions and hand sanitizer has all the familiar features of the economical RX dispenser series and is a useful addition to its smaller sibling, the 500 ml RX 5 M.

Like the entire series, the RX 10 M appeals to a **broad audience**. In addition to use in medical facilities such as clinics, medical practices, and nursing homes, the manual Euro-dispenser works well in public areas, thanks to its high-quality, robust ABS plastic and its ease of use.

This addition to the RX dispenser lineup makes the series even more flexible and effective to **improve infection protection**.

The various versions of the RX 10 M euro dispenser can be found on page 72.

EASY HANDLING

Optional lock

Easy pump replacement

Simple opening

Quick bottle swap

OPHARDT
HYGIENE

COMPREHENSIVE HYGIENE SOLUTIONS FOR INFECTION PREVENTION

Dispenser systems for entrance areas

conspicuously placed disinfection stations for visitors, staff and patients.

5x

Hospital visitors are 5x more likely to disinfect their hands when a dispenser is easily accessible in the entrance area.[1]

Touchless hand disinfectant dispenser

minimize cross-contamination and increase hand hygiene compliance.

+53%

increase in hand disinfection per patient day after introduction of touchless dispensers.[2]

Hygiene dispensers in hi-vis colours

call attention to hand disinfection and increase the frequency of use.

+6%

increase in hand hygiene compliance after introduction of hi-vis colours.[3]

[1] Hobbs, Mary A., et al. „Visitor characteristics and alcohol-based hand sanitizer dispenser locations at the hospital entrance: Effect on visitor use rates." American journal of infection control 44.3 (2016): 258-262.
[2] Scheithauer, Simone, et al. "Increase of alcoholic hand disinfection performance due to new touchless dispensers". Hygiene & Medizin 36.12 (2011). 496 - 499
[3] Scheithauer, Simone, et al. „Influence of signal colored hand disinfectant dispensers on hand hygiene compliance at a medical intensive care unit." American journal of infection control 42.8 (2014): 926-928.

Hand hygiene is considered the most important measure to effectively prevent hospital-acquired infections and to counteract the increasing occurrence of multi-resistant pathogens. We are constantly working to improve our overall hygiene solutions, according to the most up-to-date science, in our effort to provide comprehensive infection prevention solutions for medical facilities.

Point-of-care holding solutions

bring hand hygiene directly to the point of care.

+25%

increase in hand hygiene compliance through better availability of disinfectant dispensers.[4]

Disposable hygiene systems

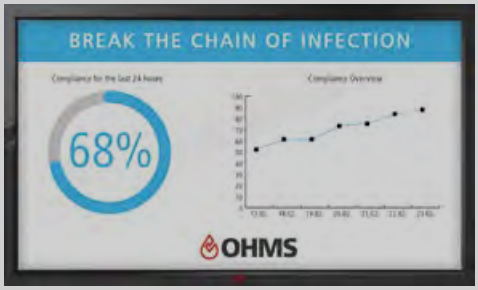
reduce processing costs and optimize hygiene standards.

50,000 - 250,000€

annual savings potential through the use of disposable solutions. Reprocessing costs become unnecessary.[5]

Smart monitoring

make hand hygiene visible.



-28%

reduction in nosocomial infections per patient day following the introduction of the OHMS.[6]

[4] Bischoff, Werner E., et al. „Handwashing compliance by healthcare workers: the impact of introducing an accessible, alcohol-based hand antiseptic." Archives of internal medicine 160.7 (2000): 1017-1021.
[5] eigene Berechnung basierend auf Daten eines 1.500 Bettenhauses
[6] Glöckner, Andreas. "Elektronisches Händehygiene-Monitoring System: Auswirkungen auf Compliance und Infektionen. Nationaler Qualitätskongress Gesundheit. Berlin. 2015

THE EURO BOTTLE

In close consultation with medical professionals, OPHARDT Hygiene developed the Euro bottle standard **in 1973**. Since then, the format has become a standard for hospitals in Germany, Switzerland, and Austria. National guidelines in Germany recommend the use of Euro bottle-compatible dispenser systems, also known as Euro dispensers, in healthcare facilities.

The Euro bottle format offers **flexibility, independence, and cost-savings potential**. There are many hand disinfectants and soaps on the market. These products differ in their formulation and intended application. The Euro dispenser allows hospitals and other organizations to use hand hygiene products from different manufacturers as they see fit. This enables organizations to have a secure supply of these necessary goods, even during times when the demand massively increases. During the **COVID-19 pandemic**, hospitals that used the Euro bottle format were able to quickly source additional soap and sanitizer supplies as needed.

The **ingo-man®** dispenser is deeply tied to the history of the Euro bottle and has supported the open format since its introduction almost 50 years ago. Other hygiene dispensers from OPHARDT Hygiene such as the RX dispenser series are also compatible with the Euro bottle standard.

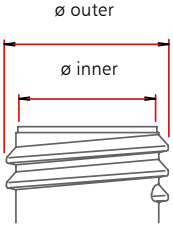
Visit our YouTube channel to learn more about the history of the Euro bottle.
Please scan the QR Code or search for OPHARDT Hygiene, Euro bottle on YouTube)

Bottles

OP

Disposable bottles, refillable, screw cap (SD) optional

	500 ml	Min. order quantity	Art. No.
OP 501-28	Bottle	1 Box (260 bottles)	109100
SD 28-1, 28 mm	Cap (optional)		219600
OP 501-60	Bottle	1 Box (260 bottles)	1413886
SD 60-3, 60 mm	Cap (optional)		207203
	1000 ml	**Min. order quantity**	**Art. No.**
OP 1001-28	Bottle	1 Box (141 bottles)	108900
SD 28-1, 28 mm	Cap (optional)		219600
OP 1001-60	Bottle	1 Box (141 bottles)	218500
SD 60-3, 60 mm	Cap (optional)		207203
	2500 ml	**Min. order quantity**	**Art. No.**
OP 2501-60 K	Bottle	1 Box (54 bottles)	109300
SD 60-3, 60 mm	Cap (optional)		207203



Bottle	Opening ø outer	Opening ø inner
28	27.4 mm	21.3 mm
60	58 mm	48.1 mm

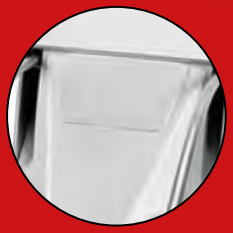
ingo-man®

Quality Medical Hand Hygiene

The ingo-man® brand has stood for quality, innovation, and functionality for over five decades. Since its market launch in 1967, the ingo-man® dispenser series has continued to evolve and support nurses and doctors in effective hand hygiene. Today our soap and disinfectant dispensers feature touchless technology to prevent cross-contamination, and WiFi enabled smart systems that record and monitor usage data to help streamline efficiency and compliance.

Read more about the ingo-man® dispenser system on our Hygiene Hub:
https://news.ophardt.com/en/community-hospital-bonn-acquires-new-equipment-for-hand-hygiene

EXPLANATION OF MODEL NAMES



With standard clip

With counter function

With individualized logo clip

Example

IMP TLS A/25

1 2 3 4

1 Abbreviation **category**

IMP… …/…	ingo-man® plus
IMS… …/…	ingo-man® smart

2 Operating lever and volume

…**E** …/…	with short operating lever (approx. 100 mm lever length), for 500 ml bottles
…**ELS** …/…	with long operating lever (approx. 170 mm lever length), for 500 ml bottles
…**T**…/…	with short operating lever (approx. 100 mm lever length), for 1000 ml bottles
…**TLS** …/…	with long operating lever (approx. 170 mm lever length), for 1000 ml bottles

3 Housing material

… ……**A**/…	matte-silver anodized aluminum, plastic back plate
… ……**P**/…	powder coated white or hi-vis colour, plastic back plate
… ……**E**/…	brushed stainless steel, plastic back plate

4 **Pump unit** (see p. 22 ff)

… … …/**24**	Premium quality long life pump
… … …/**25**	Premium quality long life pump
… … …/**KSP**	High quality long life spray pump
… … …/**K**	High quality long life pump
… … …/**F**	High quality foam pump (15:1 air/soap ratio)
… … …/**DHP**	Disposable hygiene pump

STAINLESS STEEL PUMPS FOR INGO-MAN® PLUS AND INGO-MAN® SMART DISPENSERS

Patented front removal

Stainless steel pump for manual ingo-man® plus and ingo-man® smart dispensers

IMP 24 Series

Premium quality, long life pump made of stainless steel.

- With quick prime, wide range of soaps, lotions and disinfectants, autoclavable, suited for medical applications.

Dosage: 0.75 / 1.0 / 1.2 / 1.5 ml/ stroke
Cleaning: Dishwasher safe (60°C), autoclavable (134°C)

For 500 ml ingo-man® plus and ingo-man® smart dispensers	1416015
For 1000 ml ingo-man® plus and ingo-man® smart dispensers	1415843

Stainless steel pump for manual ingo-man® plus and ingo-man® smart dispensers

IMP 25 Series

Premium quality, long life pump made of stainless steel. Wide range of soaps, lotions and disinfectants, autoclavable, suited for medical applications.

- Recommendend for highly viscous mediums, e.g. thick soaps.

Dosage: 0.75 / 1.0 / 1.2 / 1.5 ml/ stroke
Cleaning: Dishwasher safe (60°C), autoclavable (134°C)

For 500 ml ingo-man® plus and ingo-man® smart dispensers	1417655
For 1000 ml ingo-man® plus and ingo-man® smart dispensers	1417652

Stainless steel pump for ingo-man® plus Touchless dispensers

IMP Touchless

Premium quality, long life pump made of stainless steel.
Wide range of soaps, lotions and disinfectants, autoclavable, suited for medical applications.

- Exclusively compatible with ingo-man® plus touchless dispensers.

Dosage: 0.75 / 1.0 / 1.2 / 1.5 ml/ stroke
Cleaning: Dishwasher safe (60°C), autoclavable (134°C)

For 500 ml ingo-man® plus Touchless and ingo-man smart® Touchless dispensers	1417696
For 1000 ml ingo-man® plus Touchless and ingo-man smart® Touchless dispensers	1416896

PLASTIC PUMPS FOR INGO-MAN® PLUS, INGO-MAN® SMART AND RX DISPENSER

Recyclable and easy to clean

Disposable hygiene pump for manual and touchless ingo-man® plus, ingo-man® smart and RX dispensers

DHP

For highest hygiene standards. When empty, pump and bottle are simply removed together and recycled.

- Disposable hygiene pump, hygienic single-use packaging.

For wide range of soaps, lotions and disinfectants, material chemically compatible with a diverse range of liquids, dishwasher safe.

Minimum order quantity: one box
Dosage: 1.5 ml/ stroke

DHP IMP E	Disposable pump for 500 ml ingo-man® plus and ingo-man® smart	4401857
DHP IMP T	Disposable pump for 1000 ml ingo-man® plus and ingo-man® smart	4401858
DHP RX 5	Disposable pump for 500 ml RX dispensers	4401860
DHP RX 10	Disposable pump for 1000 ml RX dispensers	4402829

Standard Pump for all ingo-man® plus, ingo-man® smart and RX dispensers

Standard plastic pump for manual and touchless ingo-man® plus, ingo-man® smart and RX dispensers

IMP K

- High-quality, long-life plastic pump with straight suction tube.

For wide range of soaps, lotions and disinfectants, material chemically compatible with a diverse range of liquids, dishwasher safe.

Dosage with IMP dispensers: 0.7 / 1.0 / 1.5 ml/ stroke
Dosage with RX 10 M dispensers: 0.8 / 1.1 / 1.5 ml/ stroke
Dosage with RX 5 M/T dispensers: dependent upon dispenser, not adjustable

Cleaning: Dishwasher safe (60°C)

For IMP E/ELS	1417656
For IMP T/TLS	1417653
For RX 5 M/T	4401434
For RX 10 M	4402734

Spray pump for manual and touchless ingo-man® plus and ingo-man® smart dispensers

IMP KSP

High-quality, long-life plastic spray pump with straight suction tube. For wide range disinfectants, material chemically compatible with a diverse range of liquids.

- For the fine spray of alcohol based hand-disinfectants.

Dosage: 1.0 ml/ stroke
Cleaning: manual cleaning

For 500 ml	1417657
For 1000 ml	1417654

Foam pump for manual and touchless ingo-man® plus, and ingo-man® smart dispensers

IMP F

High-quality, long-life plastic foam pump with straight suction tube.

- Exclusively for foam soap.
  Economical to use (15:1 air/soap ratio).

Dosage: 0.75 ml/ stroke
Cleaning: Dishwasher safe (60°C)

For 500 ml	1418073
For 1000 ml	1418074

DHP DISPOSABLE HYGIENE PUMP

Superior hygiene eliminates the need for costly medical reprocessing of pumps

Ideal for Smart Solutions

DHP Disposable hygiene pump

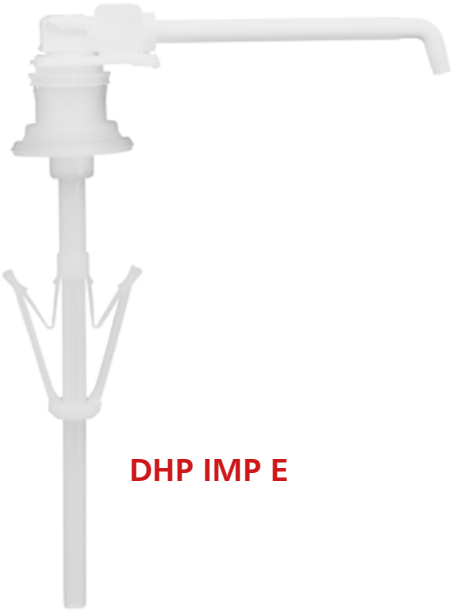
Reduce costs and improve hygiene standards with the disposable hygiene pump. This unique, single-use pump minimizes the need for medical reprocessing, while ensuring that strict hygiene standards are adhered to through the pump's self-destruction during improper bottle replacement. When replacement is attempted for an empty soap, sanitizer or lotion bottle, the stem of the pump separates from the pump head and remains in the container.

Easy Installation and Removal: To install a DHP, the individual packaging of the pump is torn and used as a glove to insert the pump into the dispenser – a new bottle can then be loaded into the dispenser normally.

Pump and packaging can be recycled at the end of useful life. The energy used to manufacture these pumps is produced with the help of renewable energy.

Watch the video

- For hand sanitizer/disinfectant, soap and lotions
- Compatible with all ingo-man® plus / smart and RX (T/M) dispensers
- Ideal for precise mesurement with the ingo-man® SmartNose
- Hygienic single-use packaging
- Fast, intuitive installation
- Time consuming medical reprocessing eliminated
- Made with recyclable plastic - no metal components
- Protection against reuse



DHP IMP E

DHP RX 5

MADE FOR RECYCLING interseroh

	Suitable for	Minimum order 1 box	Art. No.
DHP IMP E	500 ml bottles, ingo-man® plus / smart	250 pcs.	4401857
DHP IMP T	1000 ml bottles, ingo-man® plus / smart	200 pcs.	4401858
DHP RX 5	For 500 ml bottles, RX	300 pcs.	4401860
DHP RX 10	For 1000 ml bottles, RX	250 pcs.	4402829

Standard pump for all ingo-man® plus, ingo-man® smart and RX dispensers

* Deutsche Gesellschaft für Krankenhaushygiene e.V. Empfehlung zu Anforderungen an Seifen- und Händedesinfektionsmittelspender in Einrichtungen des Gesundheitswesens. Hygiene und Medizin. Oktober 2011, Bd. 36, 10, S.407-408
* RKI. Händehygiene in Einrichtungen des Gesundheitswesens. Bundesgesundheitsblatt - Gesundheitsforschung - Gesundheitsschutz. 2016;59(9):1189-220.

EUROPACK & EUROPOUCH

Maximum hygiene, minimum costs

Compact hygiene solutions for ingo-man® and RX dispensers

Achieve long-term, sustainable improvements in hygiene standards with the EuroPack and EuroPouch. These closed pump-bottle-systems work together with the Euro bottle compatible dispensers of the ingo-man® plus and RX series, and guarantee protection from cross-contamination. Thanks to their high residual emptying rate, this innovative hygiene solution effectively reduces product waste and disposal costs. These products offer further savings potential by making resource-intensive, regular reprocessing of pumps no longer necessary.

- Suitable for all ingo-man® plus and RX dispensers
- Airtight systems for highest contamination protection
- Dosing quantity 1.5 ml per stroke
- Fast, intuitive installation
- For liquid disinfectants, soaps and lotions
- Minimum order 1 carton

AIRTIGHT SYSTEMS FOR HIGHEST CONTAMINATION PROTECTION

EuroPack and EuroPouch are made of collapsible materials. This means that the product can be filled and tightly sealed with the pump. Since the hygienic packs shrink as liquid is dispensed, there is no contact with the outside environment or air.

NO CHANCE FOR VIRUSES AND BACTERIA!

Collapsible packaging

EuroPack

Hygiene pack made of LDPE (Low Density Polyethylene) or HDPE (High Density Polyethylene) with pump.

LDPE = flexible, elastic material

HDPE = rigid, stiff material

	Volume	Dispenser	Art. No.
EuroPack LDPE 500 IMP	500 ml	ingo-man® plus E/ELS	1423997
EuroPack LDPE 1000 IMP	1000 ml	ingo-man® plus T/TLS	1423998
EuroPack HDPE 500 IMP	500 ml	ingo-man® plus E/ELS	1423999
EuroPack HDPE 1000 IMP	1000 ml	ingo-man® plus T/TLS	1424000
EuroPack LDPE 500 RX	500 ml	RX 5	1424001
EuroPack LDPE 1000 RX	1000 ml	RX 10	1424002
EuroPack HDPE 500 RX	500 ml	RX 5	1424003
EuroPack HDPE 1000 RX	1000 ml	RX 10	1424004

Collapsing bag

EuroPouch

Hygiene bag with pump for viscous products (HV) or liquids (LV)

	Volume	Dispenser	Art. No.
EuroPouch 500 IMP HV	500 ml	ingo-man® plus E/ELS	1424005
EuroPouch 500 IMP LV	500 ml	ingo-man® plus E/ELS	1424006
EuroPouch 500 RX HV	500 ml	RX 5	1424007
EuroPouch 500 RX LV	500 ml	RX 5	1424008
EuroPouch 1000 IMP HV	1000 ml	ingo-man® plus T/TLS	1424009
EuroPouch 1000 IMP LV	1000 ml	ingo-man® plus T/TLS	1424010
EuroPouch 1000 RX HV	1000 ml	RX 10	1424011
EuroPouch 1000 RX LV	1000 ml	RX 10	1424012

10 YEARS OHMS

OHMS
OPHARDT HYGIENE MONITORING SYSTEM

MEASURABLY IMPROVING HAND HYGIENE

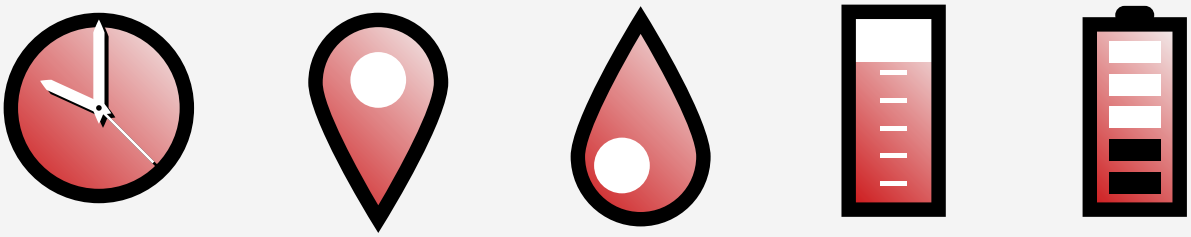
On the following pages, learn more about our complete hardware and software solutions for hand hygiene monitoring in medical facilities.

The OPHARDT Hygiene Monitoring System®

Hospital-acquired infections and the increasing number of antibiotic-resistant pathogens pose major challenges for healthcare facilities worldwide. These challenges jeopardize patient care, but also cause additional costs for the healthcare system. While hand hygiene is considered to be the most important measure for infection prevention, it is often insufficiently practiced in clinics and hospitals.

This is where the OPHARDT Hygiene Monitoring System® (OHMS) comes in: OHMS enables users to get data-driven insights on hand hygiene behavior. With this data, hygiene experts can identify and fix weak points in dispenser infrastructure and provide staff with automatic hand hygiene behavior feedback.

Comprehensive reports and evaluations on hand hygiene behaviour with*:



exact date | dispenser location | amount withdrawn | filling level | battery level

Key ways that OHMS provides data for improving hand hygiene:

- **Accurate data** on the quantity and quality of hand hygiene events.
- **Detailed documentation,** automatic feedback, and reporting requirements.
- **Insights for optimizing** the placement of your dispensers.
- **Alerts** for low fill level, WiFi connectivity issues, and low battery level.

* If no internet connection is available, the data is stored temporarily and uploaded when the connection is restored. No data is lost.

Levels of hand hygiene feedback

Automatic hand hygiene feedback

When it comes to improving hand hygiene in medical facilities, there is a growing understanding of the importance of feedback. Multiple studies show the benefits for patient health and advocate the use of electronic monitoring systems. These systems are more accurate and cost less than human observation, the previous gold-standard.

Information everywhere

Feedback where you need it:

OPHARDT's hardware and software provide hospital staff with hand hygiene data on any device. Ward-specific targets can be shown on a TV screen or computer monitor. The OHMS web-app can be accessed anywhere on smartphones, tablet, or computers.

Individual feedback
Direct feedback on the dispenser during hand disinfection

Group feedback
On a screen in a ward

Feedback for the entire organization
Detailed data on any device

OPHARDT Hygiene Monitoring: Tailored to your needs

Overview of installation, services, and licenses

OHMS Software

Art. No.	Description	Unit
SW-OHMS-Fee	Starter Software License (incl. Basic Module)	1 per month
SW-OHMS-Fee	Reports Module	1 per month
SW-OHMS-Fee	Alerts Module	1 per month
SW-OHMS-Fee	Feedback and Targeting Module	1 per month
SW-OHMS-Fee	Mobile Module	1 per month
SW-OHMS-Fee	Admin License	1 per month
SW-OHMS-Fee	Support	1 per month

OIS Services

Art. No.	Description	Unit
SW-Connect	Dispenser Communication (per dispenser/device)	1 per month
SW-Connect	Basic API Fee (Third Party Software)	1 per month
SW-Connect	Pro API Fee (OEM Connection)	1 per month

Art. No.	Description	Unit
SW-Services	Installation (per dispenser/device)	one time
SW-Services	Environment Set Up	one time
SW-Services	Training (per day)	one time
SW-Services	IT Support (per day)	one time

Customer reviews: The OPHARDT Hygiene Monitoring System® in practice
The OHMS user report describes individual experiences of system users and describes the concrete benefits of the OHMS in everyday practice. (Scan QR Code to access video)

Would you like more **information** about OPHARDT Intelligent Solutions and OHMS software? Please ask for our current **OIS catalog**. Send a mail to **ohms@ophardt.com**

THE # 1
HAND HYGIENE DISPENSER

With the introduction of the **ingo-man® plus dispenser system** in 2006, the flagship series from OPHARDT was elevated. Being able to quickly remove the pump from the front of the dispenser significantly reduced maintenance time and effort.
In addition, a flexible silicone membrane now seals the different bottle necks so that the product is always protected from contamination. Rapid pumping and optimized dosing are other advantages the plus series has over the ingo-man® classic series.

SMART READY

Soap and disinfectant dispenser, 500 ml

IMP E/ELS

Short (IMP E) or long (IMP ELS) stainless steel lever, housing made of aluminum, stainless steel or powder coated aluminum, dishwasher safe, autoclavable (134°C), easy one-handed pump exchange through front, DHP pumps are not autoclavable, Smart ready, accessories see p. 62 ff.

Pump: DHP, plastic pump or IMP stainless steel pump (see p. 26 ff)

Bottle: For 500 ml Euro bottle

Dimensions IMP E: B 82 x H 305 x T 169 mm
Dimensions IMP ELS: B 82 x H 287 x T 223 mm

	Material	Pump	Art. No.
IMP E A/DHP	Aluminum	DHP Disposable hygiene pump	4402102
IMP E A/24	Aluminum	24 Stainless steel pump	1417021
IMP E A/25	Aluminum	25 Stainless steel pump	1417548
IMP E A/K	Aluminum	Plastic pump	1417549
IMP E A/KSP	Aluminum	Plastic spray pump	1417550
IMP E A/F	Aluminum	Plastic foam pump	1418153
IMP E E/DHP	Stainless steel	DHP Disposable hygiene pump	4402104
IMP E E/24	Stainless steel	24 Stainless steel pump	1417023
IMP E E/25	Stainless steel	25 Stainless steel pump	1417551
IMP E E/K	Stainless steel	Plastic pump	1417552
IMP E E/KSP	Stainless steel	Plastic spray pump	1417553
IMP E E/F	Stainless steel	Plastic foam pump	1418161
IMP E P/DHP	White powder coated	DHP Disposable hygiene pump	4402103
IMP E P/24	White powder coated	24 Stainless steel pump	1417465
IMP E P/25	White powder coated	25 Stainless steel pump	1417554
IMP E P/K	White powder coated	Plastic pump	1417555
IMP E P/KSP	White powder coated	Plastic spray pump	1417556
IMP E P/F	White powder coated	Plastic foam pump	1418157

	Material	Pump	Art. No.
IMP ELS A/DHP	Aluminum	DHP Disposable hygiene pump	4402105
IMP ELS A/24	Aluminum	24 Stainless steel pump	1416000
IMP ELS A/25	Aluminum	25 Stainless steel pump	1417557
IMP ELS A/K	Aluminum	Plastic pump	1417558
IMP ELS A/KSP	Aluminum	Plastic spray pump	1417559
IMP ELS A/F	Aluminum	Plastic foam pump	1418155
IMP ELS E/DHP	Stainless steel	DHP Disposable hygiene pump	4402136
IMP ELS E/24	Stainless steel	24 Stainless steel pump	1416017
IMP ELS E/25	Stainless steel	25 Stainless steel pump	1417560
IMP ELS E/K	Stainless steel	Plastic pump	1417561
IMP ELS E/KSP	Stainless steel	Plastic spray pump	1417562
IMP ELS E/F	Stainless steel	Plastic foam pump	1418163
IMP ELS P/DHP	White powder coated	DHP Disposable hygiene pump	4402106
IMP ELS P/24	White powder coated	24 Stainless steel pump	1417467
IMP ELS P/25	White powder coated	25 Stainless steel pump	1417563
IMP ELS P/K	White powder coated	Plastic pump	1417564
IMP ELS P/KSP	White powder coated	Plastic spray pump	1417565
IMP ELS P/F	White powder coated	Plastic foam pump	1418159

Soap and disinfectant dispenser, 500 ml, with counter

IMP E/ELS Counter

Similar to IMP E/ELS (s. S. 40), with integrated counter to measure the number of activations.

Autoclavable and dishwasher safe after removal of the counter. Counter is removable without tools. DHP Disposable hygiene pumps are not autoclavable.

SMART READY

Effectively improve hand hygiene compliance

The integrated counting function of the ingo-man® plus Counter soap and disinfectant dispenser reliably measures the number of dispenser activations.

	Material	Pump	Art. No.
IMP E A/DHP Counter	Aluminum	DHP Disposable hygiene pump	4402131
IMP E A/24 Counter	Aluminum	24 Stainless steel pump	1417455
IMP E A/25 Counter	Aluminum	25 Stainless steel pump	1417566
IMP E A/K Counter	Aluminum	Plastic pump	1417567
IMP E A/KSP Counter	Aluminum	Plastic spray pump	1417568
IMP E A/F Counter	Aluminum	Plastic foam pump	1418154
IMP E E/DHP Counter	Stainless steel	DHP Disposable hygiene pump	4402135
IMP E E/24 Counter	Stainless steel	24 Stainless steel pump	1417569
IMP E E/25 Counter	Stainless steel	25 Stainless steel pump	1417570
IMP E E/K Counter	Stainless steel	Plastic pump	1417571
IMP E E/KSP Counter	Stainless steel	Plastic spray pump	1417572
IMP E E/F Counter	Stainless steel	Plastic foam pump	1418162
IMP E P/DHP Counter	White powder coated	DHP Disposable hygiene pump	4402133
IMP E P/24 Counter	White powder coated	24 Stainless steel pump	1417573
IMP E P/25 Counter	White powder coated	25 Stainless steel pump	1417574
IMP E P/K Counter	White powder coated	Plastic pump	1417575
IMP E P/KSP Counter	White powder coated	Plastic spray pump	1417576
IMP E P/F Counter	White powder coated	Plastic foam pump	1418158

	Material	Pump	Art. No.
IMP ELS A/DHP Counter	Aluminum	DHP Disposable hygiene pump	4402132
IMP ELS A/24 Counter	Aluminum	24 Stainless steel pump	1417454
IMP ELS A/25 Counter	Aluminum	25 Stainless steel pump	1417577
IMP ELS A/K Counter	Aluminum	Plastic pump	1417578
IMP ELS A/KSP Counter	Aluminum	Plastic spray pump	1417579
IMP ELS A/F Counter	Aluminum	Plastic foam pump	1418156
IMP ELS E/DHP Counter	Stainless steel	DHP Disposable hygiene pump	4402137
IMP ELS E/24 Counter	Stainless steel	24 Stainless steel pump	1417580
IMP ELS E/25 Counter	Stainless steel	25 Stainless steel pump	1417581
IMP ELS E/K Counter	Stainless steel	Plastic pump	1417561
IMP ELS E/KSP Counter	Stainless steel	Plastic spray pump	1417582
IMP ELS E/F Counter	Stainless steel	Plastic foam pump	1418164
IMP ELS P/DHP Counter	White powder coated	DHP Disposable hygiene pump	4402134
IMP ELS P/24 Counter	White powder coated	24 Stainless steel pump	1417584
IMP ELS P/25 Counter	White powder coated	25 Stainless steel pump	1417585
IMP ELS P/K Counter	White powder coated	Plastic pump	1417586
IMP ELS P/KSP Counter	White powder coated	Plastic spray pump	1417587
IMP ELS P/F Counter	White powder coated	Plastic foam pump	1418160

SMART READY

Soap and disinfectant dispenser, 1000 ml

IMP T/TLS

Short (IMP T) or long (IMP TLS) stainless steel lever, housing made of aluminum, stainless steel or powder coated aluminum, dishwasher safe, autoclavable (134°C), easy one-handed pump exchange through front, DHP pumps are not autoclavable, Smart ready, accessories see p. 62 ff.

Pump: DHP, plastic pump or IMP stainless steel pump (see p. 26 ff)

Bottle: For 1000 ml Euro bottle

Dimensions IMP T: B 94 x H 341 x T 170 mm

Dimensions IMP TLS: B 94 x H 321 x T 230 mm

	Material	Pump	Art. No.
IMP T A/DHP	Aluminum	DHP Disposable hygiene pump	4402107
IMP T A/24	Aluminum	24 Stainless steel pump	1417022
IMP T A/25	Aluminum	25 Stainless steel pump	1417588
IMP T A/K	Aluminum	Plastic pump	1417589
IMP T A/KSP	Aluminum	Plastic spray pump	1417590
IMP T A/F	Aluminum	Plastic foam pump	1418165
IMP T E/DHP	Stainless steel	DHP Disposable hygiene pump	4402109
IMP T E/24	Stainless steel	24 Stainless steel pump	1417024
IMP T E/25	Stainless steel	25 Stainless steel pump	1417591
IMP T E/K	Stainless steel	Plastic pump	1417592
IMP T E/KSP	Stainless steel	Plastic spray pump	1417593
IMP T E/F	Stainless steel	Plastic foam pump	1418173
IMP T P/DHP	White powder coated	DHP Disposable hygiene pump	4402108
IMP T P/24	White powder coated	24 Stainless steel pump	1417466
IMP T P/25	White powder coated	25 Stainless steel pump	1417594
IMP T P/K	White powder coated	Plastic pump	1417595
IMP T P/KSP	White powder coated	Plastic spray pump	1417596
IMP T P/F	White powder coated	Plastic foam pump	1418169

	Material	Pump	Art. No.
IMP TLS A/DHP	Aluminum	DHP Disposable hygiene pump	4402110
IMP TLS A/24	Aluminum	24 Stainless steel pump	1415993
IMP TLS A/25	Aluminum	25 Stainless steel pump	1417597
IMP TLS A/K	Aluminum	Plastic pump	1417598
IMP TLS A/KSP	Aluminum	Plastic spray pump	1417599
IMP TLS A/F	Aluminum	Plastic foam pump	1418167
IMP TLS E/DHP	Stainless steel	DHP Disposable hygiene pump	4402112
IMP TLS E/24	Stainless steel	24 Stainless steel pump	1415995
IMP TLS E/25	Stainless steel	25 Stainless steel pump	1417600
IMP TLS E/K	Stainless steel	Plastic pump	1417601
IMP TLS E/KSP	Stainless steel	Plastic spray pump	1417602
IMP TLS E/F	Stainless steel	Plastic foam pump	1418175
IMP TLS P/DHP	White powder coated	DHP Disposable hygiene pump	4402111
IMP TLS P/24	White powder coated	24 Stainless steel pump	1417468
IMP TLS P/25	White powder coated	25 Stainless steel pump	1417603
IMP TLS P/K	White powder coated	Plastic pump	1417604
IMP TLS P/KSP	White powder coated	Plastic spray pump	1417605
IMP TLS P/F	White powder coated	Plastic foam pump	1418171

Soap and disinfectant dispenser, 1000 ml, with counter

IMP T/TLS Counter

Similar to IMP T/TLS (s. S. 42), with integrated counter to measure the number of activations.

Autoclavable and dishwasher safe after removal of the counter. Counter is removable without tools. DHP Disposable hygiene pumps are not autoclavable.

SMART READY

Effectively improve hand hygiene compliance

The integrated counting function of the ingo-man® plus counter soap and disinfectant dispenser reliably measures the number of dispenser activations.

	Material	Pump	Art. No.
IMP T A/DHP Counter	Aluminum	DHP Disposable hygiene pump	4402125
IMP T A/24 Counter	Aluminum	24 Stainless steel pump	1417457
IMP T A/25 Counter	Aluminum	25 Stainless steel pump	1417606
IMP T A/K Counter	Aluminum	Plastic pump	1417607
IMP T A/KSP Counter	Aluminum	Plastic spray pump	1417608
IMP T A/F Counter	Aluminum	Plastic foam pump	1418166
IMP T E/DHP Counter	Stainless steel	DHP Disposable hygiene pump	4402129
IMP T E/24 Counter	Stainless steel	24 Stainless steel pump	1417609
IMP T E/25 Counter	Stainless steel	25 Stainless steel pump	1417610
IMP T E/K Counter	Stainless steel	Plastic pump	1417611
IMP T E/KSP Counter	Stainless steel	Plastic spray pump	1417612
IMP T E/F Counter	Stainless steel	Plastic foam pump	1418174
IMP T P/DHP Counter	White powder coated	DHP Disposable hygiene pump	4402127
IMP T P/24 Counter	White powder coated	24 Stainless steel pump	1417613
IMP T P/25 Counter	White powder coated	25 Stainless steel pump	1417614
IMP T P/K Counter	White powder coated	Plastic pump	1417615
IMP T P/KSP Counter	White powder coated	Plastic spray pump	1417616
IMP T P/F Counter	White powder coated	Plastic foam pump	1418170

	Material	Pump	Art. No.
IMP TLS A/DHP Counter	Aluminum	DHP Disposable hygiene pump	4402126
IMP TLS A/24 Counter	Aluminum	24 Stainless steel pump	1417456
IMP TLS A/25 Counter	Aluminum	25 Stainless steel pump	1417617
IMP TLS A/K Counter	Aluminum	Plastic pump	1417618
IMP TLS A/KSP Counter	Aluminum	Plastic spray pump	1417619
IMP TLS A/F Counter	Aluminum	Plastic foam pump	1418168
IMP TLS E/DHP Counter	Stainless steel	DHP Disposable hygiene pump	4402130
IMP TLS E/24 Counter	Stainless steel	24 Stainless steel pump	1417620
IMP TLS E/25 Counter	Stainless steel	25 Stainless steel pump	1417621
IMP TLS E/K Counter	Stainless steel	Plastic pump	1417622
IMP TLS E/KSP Counter	Stainless steel	Plastic spray pump	1417623
IMP TLS E/F Counter	Stainless steel	Plastic foam pump	1418176
IMP TLS P/DHP Counter	White powder coated	DHP Disposable hygiene pump	4402128
IMP TLS P/24 Counter	White powder coated	24 Stainless steel pump	1417624
IMP TLS P/25 Counter	White powder coated	25 Stainless steel pump	1417625
IMP TLS P/K Counter	White powder coated	Plastic pump	1417626
IMP TLS P/KSP Counter	White powder coated	Plastic spray pump	1417627
IMP TLS P/F Counter	White powder coated	Plastic foam pump	1418172

HI-VIS COLOURS

Increase compliance through visibility

Soap and disinfectant dispenser, 500 ml

IMP E/ELS Hi-Vis Colour

Short (IMP E) or long (IMP ELS) stainless steel lever, housing made of powder coated aluminum, dishwasher safe, autoclavable (134°C), easy one-handed pump exchange through front, DHP pumps are not autoclavable, Smart ready, accessories see p. 62 ff.

Pump: DHP, plastic pump or IMP stainless steel pump (see p. 26 ff)

Bottle: For 500 ml Euro bottle

Dimensions IMP E: B 82 x H 305 x T 169 mm
Dimensions IMP ELS: B 82 x H 287 x T 223 mm

SMART READY

	Colour	Pump	Art. No.
IMP E P/DHP	Hi-vis yellow	DHP Disposable hygiene pump	4402115
IMP E P/24	Hi-vis yellow	24 Stainless steel pump	1418092
IMP E P/DHP	Hi-vis orange	DHP Disposable hygiene pump	4402114
IMP E P/24	Hi-vis orange	24 Stainless steel pump	1418093
IMP E P/DHP	Hi-vis red	DHP Disposable hygiene pump	4402113
IMP E P/24	Hi-vis red	24 Stainless steel pump	1418091

	Colour	Pump	Art. No.
IMP ELS P/DHP	Hi-vis yellow	DHP Disposable hygiene pump	4402118
IMP ELS P/24	Hi-vis yellow	24 Stainless steel pump	1417890
IMP ELS P/DHP	Hi-vis orange	DHP Disposable hygiene pump	4402117
IMP ELS P/24	Hi-vis orange	24 Stainless steel pump	1417891
IMP ELS P/DHP	Hi-vis red	DHP Disposable hygiene pump	4402116
IMP ELS P/24	Hi-vis red	24 Stainless steel pump	1417892

Soap and disinfectant dispenser, 1000 ml

IMP T/TLS Hi-Vis Colour

Similar to IMP E/ELS Hi-Vis Colour, short (IMP T) or long (IMP TLS) stainless steel lever.

Pump: DHP, plastic pump or IMP stainless steel pump (see p. 26 ff)

Bottle: For 1000 ml Euro bottle

Dimensions IMP T: W 94 x H 341 x D 170 mm
Dimensions IMP TLS: W 94 x H 321 x D 230 mm

SMART READY

	Colour	Pump	Art. No.
IMP T P/DHP	Hi-vis yellow	DHP Disposable hygiene pump	4402121
IMP T P/24	Hi-vis yellow	24 Stainless steel pump	1418095
IMP T P/DHP	Hi-vis orange	DHP Disposable hygiene pump	4402120
IMP T P/24	Hi-vis orange	24 Stainless steel pump	1418096
IMP T P/DHP	Hi-vis red	DHP Disposable hygiene pump	4402119
IMP T P/24	Hi-vis red	24 Stainless steel pump	1418094

	Colour	Pump	Art. No.
IMP TLS P/DHP	Hi-vis yellow	DHP Disposable hygiene pump	4402124
IMP TLS P/24	Hi-vis yellow	24 Stainless steel pump	1417887
IMP TLS P/DHP	Hi-vis orange	DHP Disposable hygiene pump	4402123
IMP TLS P/24	Hi-vis orange	24 Stainless steel pump	1417888
IMP TLS P/DHP	Hi-vis red	DHP Disposable hygiene pump	4402122
IMP TLS P/24	Hi-vis red	24 Stainless steel pump	1417889

Soap and disinfectant dispenser, touchless, permanent emergency lever

IMP Touchless

Stainless steel emergency lever for manual operation, e.g. when batteries are empty, optional with AC power supply adapter, easy one-handed pump exchange through front, optional accessories see p. 62 ff.

Pump: DHP Disposable hygiene pump or IMP Touchless pump (p. 26 ff)

Bottle: For 500 ml or 1000 ml Euro bottle

Dimensions: W 94 x H 339 x D 209 mm

	For 500 ml Euro bottles	Art. No.
IMP E A DHP Touchless	Aluminum	4402148
IMP E A DHP Touchless Mains operated	Aluminum	4402149
IMP E A Touchless	Aluminum	1415523
IMP E A Touchless Mains operated	Aluminum	1417545
IMP E E DHP Touchless	Stainless steel	4402150
IMP E E DHP Touchless Mains operated	Stainless steel	4402151
IMP E E Touchless	Stainless steel	1417728
IMP E E Touchless Mains operated	Stainless steel	1417727
	For 1000 ml Euro bottles	**Art. No.**
IMP T A DHP Touchless	Aluminum	4402152
IMP T A DHP Touchless Mains operated	Aluminum	4402153
IMP T A Touchless	Aluminum	1415524
IMP T A Touchless Mains operated	Aluminum	1418061
IMP T E DHP Touchless	Stainless steel	4402154
IMP T E DHP Touchless Mains operated	Stainless steel	4402155
IMP T E Touchless	Stainless steel	1417071
IMP T E Touchless Mains operated	Stainless steel	1417544

IMP Touchless Hi-Vis Colour

Similar to IMP Touchless, powder coated in hi-vis colour.

	For 500 ml Euro bottles	Art. No.
IMP E P DHP Touchless	Hi-vis red	4402164
IMP E P DHP Touchless	Hi-vis orange	4402165
IMP E P DHP Touchless	Hi-vis yellow	4402166
IMP E P Touchless	Hi-vis red	1418476
IMP E P Touchless	Hi-vis orange	1418515
IMP E P Touchless	Hi-vis yellow	1418514
	For 1000 ml Euro bottles	**Art. No.**
IMP T P DHP Touchless	Hi-vis red	4402167
IMP T P DHP Touchless	Hi-vis orange	4402168
IMP T P DHP Touchless	Hi-vis yellow	4402169
IMP T P Touchless	Hi-vis red	1418276
IMP T P Touchless	Hi-vis orange	1418275
IMP T P Touchless	Hi-vis yellow	1418274

Soap and disinfectant dispenser, touchless with extendable emergency lever

IMP Touchless XT

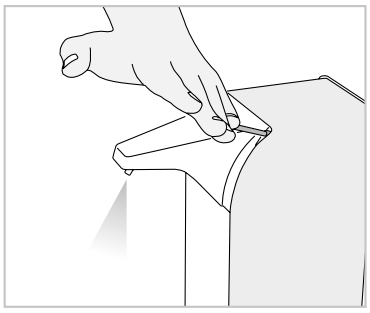
Stainless steel emergency lever for manual operation, e.g. when batteries are empty, optional with AC power supply adapter, easy one-handed pump exchange through front, optional accessories see p. 62 ff.

Pump: DHP Disposable hygiene pump or IMP Touchless pump (p. 22 ff)

Bottle: For 500 ml or 1000 ml Euro bottle

Dimensions: W 94 x H 295 x D 209 mm

	For 500 ml Euro bottles	Art. No.
IMP E A DHP Touchless XT	Aluminum	4402156
IMP E A DHP Touchless XT Mains operated	Aluminum	4402157
IMP E A Touchless XT	Aluminum	4400727
IMP E A Touchless XT Mains operated	Aluminum	4400901
IMP E E DHP Touchless XT	Stainless steel	4402158
IMP E E DHP Touchless XT Mains operated	Stainless steel	4402159
IMP E E Touchless XT	Stainless steel	4400903
IMP E E Touchless XT Mains operated	Stainless steel	4400905
	For 1000 ml Euro bottles	**Art. No.**
IMP T A DHP Touchless XT	Aluminum	4402160
IMP T A DHP Touchless XT Mains operated	Aluminum	4402161
IMP T A Touchless XT	Aluminum	4400726
IMP T A Touchless XT Mains operated	Aluminum	4400902
IMP T E DHP Touchless XT	Stainless steel	4402162
IMP T E DHP Touchless XT Mains operated	Stainless steel	4402163
IMP T E Touchless XT	Stainless steel	4400904
IMP T E Touchless XT Mains operated	Stainless steel	4400906



The two-piece emergency lever of the new ingo-man® plus touchless XT remains in the housing until it is needed. If necessary (e.g. empty battery), operate the dispenser manually by pulling out the two poles and pressing them down.

IMP Touchless XT Hi-Vis Colour

Similar to IMP Touchless XT, powder coated hi-vis colour.

	For 500 ml Euro bottles	Art. No.
IMP E P DHP Touchless XT	Hi-vis red	4402170
IMP E P DHP Touchless XT	Hi-vis orange	4402171
IMP E P DHP Touchless XT	Hi-vis yellow	4402172
IMP E P Touchless XT	Hi-vis red	4400907
IMP E P Touchless XT	Hi-vis orange	4400909
IMP E P Touchless XT	Hi-vis yellow	4400908
	For 1000 ml Euro bottles	**Art. No.**
IMP T P DHP Touchless XT	Hi-vis red	4402173
IMP T P DHP Touchless XT	Hi-vis orange	4402174
IMP T P DHP Touchless XT	Hi-vis yellow	4402175
IMP T P Touchless XT	Hi-vis red	4400910
IMP T P Touchless XT	Hi-vis orange	4400912
IMP T P Touchless XT	Hi-vis yellow	4400911

SMART DISPENSER SYSTEMS
FOR THE HEALTHCARE SECTOR

For **ten years** now, our smart dispenser systems of the ingo-man® smart series have been supporting hygiene management in hospitals, clinics and medical practices. Thanks to its automatic, always-on **data monitoring** of soap and hand disinfectant dispensers, hygiene specialists can access crucial data at any time through the OHMS web app. The latest innovation in the series, the ingo-man® SmartNose, provides **direct visual feedback** to hospital staff, enabling hand hygiene to be consistently improved.

ingo-man® SmartNose
The smart retrofit unit

- Intelligent "nose" panel for ingo-man® plus dispenser
- Installed in a few seconds
- Integrated feedback LED signals when the required volume of product has been dispensed
- Integrated low-battery level LED

Software includes (with SmartNose incl. Software):

- Fill level calculation with bottle change alarm*
- Automatic and continuous recording of hand hygiene behaviour
- Clear evaluation and reporting
- Encrypted WLAN communication
- Easy configuration and firmware updates

	Description	Art. No.
SmartNose E retrofit incl. Software	for 500 ml ingo-man® plus dispenser	4403099
SmartNose E retrofit w/o Software	for 500 ml ingo-man® plus dispenser	4402674
SmartNose T retrofit incl. Software	for 1000 ml ingo-man® plus dispenser	4403214
SmartNose T retrofit w/o Software	for 1000 ml ingo-man® plus dispenser	4403161

* works best with DHP disposable hygiene pump

FROM STANDARD TO SMART IN A FEW SECONDS

See the SmartNose installation on YouTube

Smart soap and disinfectant dispenser, 500 ml

IMS E/ELS

SmartNose (features on p. 52), Short (IMP E) or long (IMP ELS) stainless steel lever, housing made of aluminum, stainless steel or powder coated aluminum, easy one-handed pump exchange through front, accessories see p. 62 ff.

Pump: DHP, plastic pump or IMP stainless steel pump (see p. 26 ff)

Bottle: For 500 ml Euro bottle

Dimensions IMP E: W 82 x H 305 x D 169 mm
Dimensions IMP ELS: W 82 x H 287 x D 223 mm

	Material	Pump	Art. No.
IMS E A/DHP	Aluminum	DHP Disposable hygiene pump	4402620
IMS ELS A/DHP	Aluminum	DHP Disposable hygiene pump	4402651
IMS E A/24	Aluminum	24 Stainless steel pump	4402617
IMS ELS A/24	Aluminum	24 Stainless steelpump	4402648

Smart soap and disinfectant dispenser, 1000 ml

IMS T/TLS

SmartNose (features on p. 52), Short (IMP T) or long (IMP TLS) stainless steel lever, housing made of aluminum, stainless steel or powder coated aluminum, easy one-handed pump exchange through front, accessories see p. 62 ff.

Pump: DHP, plastic pump or IMP stainless steel pump (see p. 26 ff)

Bottle: For 1000 ml Euro bottle

Dimensions IMP T: W 82 x H 305 x D 169 mm
Dimensions IMP TLS: W 82 x H 287 x D 223 mm

	Material	Pump	Art. No.
IMS T A/DHP	Aluminum	DHP Disposable hygiene pump	4403165
IMS TLS A/DHP	Aluminum	DHP Disposable hygiene pump	4403190
IMS T A/24	Aluminum	24 Stainless steel pump	4403162
IMS TLS A/24	Aluminum	24 Stainless steelpump	4403187

ingo-man® smart e-pro - Innovation meets sustainability

The ingo-man® smart e-pro wirelessly sends dispenser usage data to a central database – with every activation the dispenser registers and sends the location, time and dosage of the hygiene event. Like all other OPHARDT Hygiene Monitoring System® (OHMS) dispensers, e-pro data is used to generate detailed reports on compliance rates, and detailed suggestions for improvement pathways – a powerful tool for hygiene specialists.

The e-pro dispenser model generates the energy needed to transmit data wirelessly when the dispenser lever is pressed. This patented "human powered" device saves energy, while eliminating additional maintenance and waste generated from battery use. With over 30 million activations since launching, the OHMS system is guaranteed to deliver a reliable and sustained improvement of hand hygiene.

Soap and disinfectant dispenser
for automatic measurement of hand hygiene behaviour

IMS e-pro

With long lever, easy one-handed pump exchange through front, optional accessories see p. 62.

Integrated counter: To measure hand hygiene behaviour

Fully automated data transfer via WiFi to analysis tool

Continuous monitoring of dispenser functionality, with automatic notification

"Bottle Empty" warning: Automatic warning when bottle needs to be changed via OHMS software

"Green Tech": The energy required for data transfer is generated in the dispenser by the user. No additional power supply is required. This feature is only available in manually operated ingo-man® e-pro dispensers.

Consumption measurement: Indicator for hand hygiene quality

Pump:	DHP disposable hygiene pump, see p. 26 ff for different pumps
Bottle:	For 500 ml or 1000 ml Euro bottle
Dimensions:	IMS e-pro ELS A/DHP: W 82 x H 290 x D 269 mm
	IMS e-pro TLS A/DHP: W 94 x H 324 x D 269 mm

For 500 ml Euro bottles	Art. No.
IMS e-pro ELS A/DHP Aluminum	4402292
For 1000 ml Euro bottles	**Art. No.**
IMS e-pro TLS A/DHP Aluminum	4402293

INNOVATION MEETS SUSTAINABILITY

The e-pro dispenser model generates the energy
needed to transmit data wirelessly when the lever is pressed.
No additional power supply is required.

HI-VIS COLOURS

Increase compliance through visibility

Smart soap and disinfectant dispenser, 500 ml

IMS E/ELS

SmartNose (features on p. 52), housing made of powder coated aluminum, Short (IMP E) or long (IMP ELS) stainless steel lever, easy one-handed pump exchange through front, accessories see p. 62 ff.

Pump: DHP, plastic pump or IMP stainless steel pump (see p. 26 ff)

Bottle: For 500 ml Euro bottle

Dimensions IMP E: W 82 x H 305 x D 169 mm
Dimensions IMP ELS: W 82 x H 287 x D 223 mm

	Colour	Pump	Art. No.
IMS E P/DHP	Hi-vis yellow	DHP Disposable hygiene pump	4402637
IMS E P/24	Hi-vis yellow	24 Stainless steel pump	4402632
IMS E P/DHP	Hi-vis orange	DHP Disposable hygiene pump	4402638
IMS E P/24	Hi-vis orange	24 Stainless steel pump	4402633
IMS E P/DHP	Hi-vis red	DHP Disposable hygiene pump	4402639
IMS E P/24	Hi-vis red	24 Stainless steel pump	4402634

	Colour	Pump	Art. No.
IMS ELS P/DHP	Hi-vis yellow	DHP Disposable hygiene pump	4402668
IMS ELS P/24	Hi-vis yellow	24 Stainless steel pump	4402663
IMS ELS P/DHP	Hi-vis orange	DHP Disposable hygiene pump	4402669
IMS ELS P/24	Hi-vis orange	24 Stainless steel pump	4402664
IMS ELS P/DHP	Hi-vis red	DHP Disposable hygiene pump	4402670
IMS ELS P/24	Hi-vis red	24 Stainless steel pump	4402665

Smart soap and disinfectant dispenser, 1000 ml

IMS E/ELS

SmartNose (features on p. 52), housing made of powder coated aluminum, Short (IMP T) or long (IMP TLS) stainless steel lever, easy one-handed pump exchange through front, accessories see p. 62 ff.

Pump: DHP, plastic pump or IMP stainless steel pump (see p. 26 ff)

Bottle: For 1000 ml Euro bottle

Dimensions IMP T: W 94 x H 341 x D 170 mm
Dimensions IMP TLS: W 94 x H 321 x D 230 mm

	Colour	Pump	Art. No.
IMS T P/DHP	Hi-vis yellow	DHP Disposable hygiene pump	4403181
IMS T P/24	Hi-vis yellow	24 Stainless steel pump	4403176
IMS T P/DHP	Hi-vis orange	DHP Disposable hygiene pump	4403182
IMS T P/24	Hi-vis orange	24 Stainless steel pump	4403177
IMS T P/DHP	Hi-vis red	DHP Disposable hygiene pump	4403183
IMS T P/24	Hi-vis red	24 Stainless steel pump	4403178

	Colour	Pump	Art. No.
IMS TLS P/DHP	Hi-vis yellow	DHP Disposable hygiene pump	4403207
IMS TLS P/24	Hi-vis yellow	24 Stainless steel pump	4403202
IMS TLS P/DHP	Hi-vis orange	DHP Disposable hygiene pump	4403208
IMS TLS P/24	Hi-vis orange	24 Stainless steel pump	4403203
IMS TLS P/DHP	Hi-vis red	DHP Disposable hygiene pump	4403209
IMS TLS P/24	Hi-vis red	24 Stainless steel pump	4403204

Soap and disinfectant dispenser, touchless for automatic measurement of hand hygiene behaviour

IMS Touchless

Emergency lever for manual operation, e.g. when batteries are empty, easy one-handed pump exchange through front, optional accessories see p. 62.

Integrated counter: To measure hand hygiene behaviour

Fully automated data transfer via WiFi to analysis tool

Continuous monitoring of dispenser functionality, with automatic notification

Consumption measurement: Indicator for hand hygiene quality

Pump:	DHP Disposable hygiene pump, (see p. 26 ff for different pumps)
Bottle:	For 1000 ml Euro bottle
Dimensions:	W 94 x H 339 x D 209 mm

	For 1000 ml Euro bottles	Art. No.
IMS Touchless T A/DHP	Aluminum	4402294
IMS Touchless T P/DHP	Hi-vis yellow	4402300
IMS Touchless T P/DHP	Hi-vis orange	4402301
IMS Touchless T P/DHP	Hi-vis red	4402299

PROTECT PATIENTS WITH THE HIGHEST STANDARDS OF HYGIENE

In hygiene-sensitive areas, such as intensive care units or neonatal wards, consistent hand hygiene is extremely important. By using the ingo-man® dispenser system as an automatic door opener, hand disinfection before patient contact is always guaranteed.

Soap and disinfectant dispenser, touchless, with integrated door control

IMP A Touchless TK

Soap and disinfectant dispenser with integrated door control: Door opens after dispenser activation, external 230V power supply, ideal for hospitals and medical facilities, stainless steel emergency lever, easy one-handed pump exchange through front, optional accessories see p. 62.

Pump:	DHP disposable hygiene pump, see p. 26 ff for other pumps
Bottles:	For 500 ml or 1000 ml Euro bottle
Dimensions:	W 94 x H 347 x D 209 mm

For 500 ml Euro bottles	Art. No.
IMP E A/DHP Touchless Aluminum TK Mains Operated	4402308

For 1000 ml Euro bottles	Art. No.
IMP T A/DHP Touchless Aluminum TK Mains Operated	4402309

In entrance areas and reception halls, people come into contact with each other and touch multiple surfaces. The PRAESIDIO® disinfectant dispenser equipped with door-activation control minimizes the danger of cross-contamination by automatically opening the door after hand disinfection.

Touchless disinfectant dispenser, with integrated door contact switch

PRAESIDIO

Touchless dispenser using alcohol based disinfectant, stainless steel, white powder coated door (RAL 9016), lockable, stainless steel pump with shower head for liquid disinfectants and outlet for alco-gel (enclosed), hygienic spray chamber with integrated drip tray, fill level window, extensive battery life, incl. HDPE-bottle and batteries, for wall or stand mounting, stand ordered separately.

Pump:	Stainless steel stand, adjustable (0.7/ 1.0/ 1.2/ 1.5ml/ Hub)
Bottle:	For 1000 ml Euro bottle
Dimensions:	W 506 x H 337 x D 174 mm

	Description	Art. No.
PRAESIDIO	incl. connection for door contact switch, “HAND DISINFECTION“ print	3401302
PRAESIDIO	incl. connection for door contact switch, w/o print	3401073
PRAESIDIO BT-G3	incl. Bluetooth-door conmtact switch, „HÄNDEDESINFEKTION“ print	3401432
Stand PRAESIDIO S	operating height: approx. 120 cm	1423511
Stand PRAESIDIO B	accessible operating height: approx. 90 cm	1423512

Drip Trays

- Removable plastic drip tray, dishwasher safe
- Prevents disinfectant from dripping off hands and onto the floor
- Custom fit for any type of dispenser

	Art. No.	For dispenser	Colour
SH E 26	263800	for manual dispensers ingo-man® classic 500 ml ingo-man® plus 500 ml ingo-man® smart 500 ml	White
SH E 26 hi-vis yellow	1418976		Hi-vis yellow
SH E 26 hi-vis red	1418978		Hi-vis red
SH E 26 hi-vis orange	1418977		Hi-vis orange
SH T 26	161100	for manual dispensers ingo-man® classic 1000 ml ingo-man® plus 1000 ml ingo-man® smart 1000 ml	White
SH T 26 hi-vis yellow	1418979		Hi-vis yellow
SH T 26 hi-vis red	1418981		Hi-vis red
SH T 26 hi-vis orange	1418980		Hi-vis orange
SH 4	1416600	ingo-man® plus Touchless ingo-man® smart Touchless ingo-man® smart e-pro 1000 ml	White
SH 4 hi-vis yellow	1418970		Hi-vis yellow
SH 4 hi-vis red	1418972		Hi-vis red
SH 4 hi-vis orange	1418971		Hi-vis orange
SH E e-pro	1419637	ingo-man® smart e-pro 500 ml	White
SH E e-pro hi-vis yellow	2400375		Hi-vis yellow
SH E e-pro hi-vis red	2400376		Hi-vis red
SH E e-pro hi-vis orange	2400377		Hi-vis orange

Clean and hygienic:
Prevent disinfectant from dripping from hands onto the floor
Quick, easy installation – no tools required

Drip trays for wall mounting

SH 1

SH 3

	Art. No.	For wall mounting	Colour
SH 1	290000	Short side to the wall	White
SH 3	1165200	Long side to the wall	White

Dispenser not included

	Art. No.	For dispenser	Colour
SH 5 IMP E/ELS	1419174	for manual dispensers ingo-man® classic 500 ml ingo-man® plus 500 ml ingo-man® smart 500 ml	White
SH 5 IMP E/ELS hi-vis yellow	1419322		Hi-vis yellow
SH 5 IMP E/ELS hi-vis red	1419321		Hi-vis red
SH 5 IMP E/ELS hi-vis orange	1419309		Hi-vis orange
SH 5 IMP E/ELS TH E	2400284	for table mounting with TH E: manual dispensers ingo-man® classic 500 ml ingo-man® plus 500 ml ingo-man® smart 500 ml	White
SH 5 IMP E/ELS TH E hi-vis yellow	2400352		Hi-vis yellow
SH 5 IMP E/ELS TH E hi-vis red	2400353		Hi-vis red
SH 5 IMP E/ELS TH E hi-vis orange	2400354		Hi-vis orange
SH 5 IMP T/TLS	1418686	for manual dispensers ingo-man® classic 1000 ml ingo-man® plus 1000 ml ingo-man® smart 1000 ml	White
SH 5 IMP T/TLS hi-vis yellow	1419634		Hi-vis yellow
SH 5 IMP T/TLS hi-vis red	1419635		Hi-vis red
SH 5 IMP T/TLS hi-vis orange	1419636		Hi-vis orange
SH 5 IMP T/TLS TH T	2400286	for table mounting with TH T: manual dispensers ingo-man® classic 1000 ml ingo-man® plus 1000 ml ingo-man® smart 1000 ml	White
SH 5 IMP T/TLS TH T hi-vis yellow	2400355		Hi-vis yellow
SH 5 IMP T/TLS TH T hi-vis red	2400356		Hi-vis red
SH 5 IMP T/TLS TH T hi-vis orange	2400357		Hi-vis orange
SH 5 IMP Touchless	1418684	ingo-man® plus Touchless	White
SH 5 IMP Touchless hi-vis yellow	1418973		Hi-vis yellow
SH 5 IMP Touchless hi-vis red	1418975		Hi-vis red
SH 5 IMP Touchless hi-vis orange	1418974		Hi-vis orange
SH 5 IMP Touchless TH T	2400288	for table mounting with TH T: ingo-man® plus Touchless	White
SH 5 IMP Touchless TH T hi-vis yellow	2400358		Hi-vis yellow
SH 5 IMP Touchless TH T hi-vis red	2400359		Hi-vis red
SH 5 IMP Touchless TH T hi-vis orange	2400360		Hi-vis orange
SH 5 IMS E e-pro	2400259	ingo-man® smart e-pro 500 ml	White
SH 5 IMS E e-pro hi-vis yellow	2400361		Hi-vis yellow
SH 5 IMS E e-pro hi-vis red	2400362		Hi-vis red
SH 5 IMS E e-pro hi-vis orange	2400363		Hi-vis orange
SH 5 IMS E e-pro TH E	2400364	for table mounting with TH E: ingo-man® smart e-pro 500 ml	White
SH 5 IMS E e-pro TH E hi-vis yellow	2400365		Hi-vis yellow
SH 5 IMS E e-pro TH E hi-vis red	2400366		Hi-vis red
SH 5 IMS E e-pro TH E hi-vis orange	2400367		Hi-vis orange
SH 5 IMS T e-pro	2400257	ingo-man® smart e-pro 1000 ml	White
SH 5 IMS T e-pro hi-vis yellow	2400368		Hi-vis yellow
SH 5 IMS T e-pro hi-vis red	2400369		Hi-vis red
SH 5 IMS T e-pro hi-vis orange	2400370		Hi-vis orange
SH 5 IMS T e-pro TH T	2400371	for table mounting with TH T: ingo-man® smart e-pro 1000 ml	White
SH 5 IMS T e-pro TH T hi-vis yellow	2400372		Hi-vis yellow
SH 5 IMS T e-pro TH T hi-vis red	2400373		Hi-vis red
SH 5 IMS T e-pro TH T hi-vis orange	2400374		Hi-vis orange

High-visibility frames

SR

Hangs over any fitted ingo-man® dispenser back plate with no mounting tools necessary. For any hospital setting, retirement home, medical practice, lab, and other areas where hand hygiene is critical.

Dimensions: SR E: B 132 x H 297 mm
SR T: B 148 x H 336 mm

	For 500 ml dispensers	Art. No.
SR E	Hi-vis red	1420144
SR E	Hi-vis orange	1420143
SR E	Hi-vis yellow	1418674
SR E	RAL 7016 anthracite grey	1418675

	For 1000 ml dispensers	Art. No.
SR T	Hi-vis red	1420146
SR T	Hi-vis orange	1420145
SR T	Hi-vis yellow	1418676
SR T	RAL 7016 anthracite grey	1418677

For hygiene-sensitive areas:
Hi-Vis Frame –
brings attention to dispensers
Fast, easy installation – no tools required

High-visibility frames with stickers

SRL

Hangs over a fitted dispenser back plate with no mounting tools necessary. For any hospital setting, retirement home, medical practice, lab, and other areas where hand hygiene is critical.

Incl. three stickers (120 mm x 130 mm) featuring hygiene instructions:

- "Viruses / bacteria on your hand"
- "How to disinfect your hands"
- "How to operate a touchless dispenser"

Dimensions: SRL E: B 132 x H 433 mm
SRL T: B 148 x H 455 mm

	For 500 ml dispensers	Art. No.
SRL E	Hi-vis red	1420148
SRL E	Hi-vis orange	1420147
SRL E	Hi-vis yellow	1418680
SRL E	RAL 7016 anthracite grey	1418681

	For 1000 ml dispensers	Art. No.
SRL T	Hi-vis red	1420150
SRL T	Hi-vis orange	1420149
SRL T	Hi-vis yellow	1418678
SRL T	RAL 7016 anthracite grey	1418679

PROTECTION AGAINST THEFT

ingo-man® Locking plates

Protect against the theft of both the dispenser and the hand care products inside, while allowing the fill level to remain visible.

	Colour	Art. No.	For dispenser
VF IMP E A	Aluminum	2400067	for manual dispensers: ingo-man® plus 500 ml ingo-man® smart 500 ml
VF IMP E P	white	1417469	
VF IMP E E	Stainless steel	1417529	
VF IMP E P hi-vis yellow	Hi-vis yellow	1418342	
VF IMP E P hi-vis orange	Hi-vis orange	1418343	
VF IMP E P hi-vis red	Hi-vis red	1418341	
VF IMP T A	Aluminum	2400064	for manual dispensers: ingo-man® plus 1000 ml ingo-man® smart 1000 ml
VF IMP T P	white	1417470	
VF IMP T E	Stainless steel	1417528	
VF IMP T P hi-vis yellow	Hi-vis yellow	1418345	
VF IMP T P hi-vis orange	Hi-vis orange	1418346	
VF IMP T P hi-vis red	Hi-vis red	1418344	
VF IMP E A Touchless	Aluminum	2400487	ingo-man® plus Touchless 500 ml
VF IMP T/E E Touchless	Stainless steel	1416375	
VF IMP T A Touchless	Aluminum	2400076	ingo-man® plus Touchless 1000 ml ingo-man® smart Touchless 1000 ml
VF IMP T P Touchless	white	1420267	
VF IMP T/E E Touchless	Stainless steel	1416375	
VF IMP T P Touchless hi-vis yellow	Hi-vis yellow	1418339	
VF IMP T P Touchless hi-vis orange	Hi-vis orange	1418340	
VF IMP T P Touchless hi-vis red	Hi-vis red	1418338	
VF IMS E A e-pro	Aluminum	2400195	ingo-man® smart e-pro 500 ml
VF IMS E P e-pro hi-vis yellow	Hi-vis yellow	1419282	
VF IMS E P e-pro hi-vis orange	Hi-vis orange	1419281	
VF IMS E P e-pro hi-vis red	Hi-vis red	1419280	
VF IMS T A e-pro	Aluminum	2400197	ingo-man® smart e-pro 1000 ml
VF IMS T P e-pro hi-vis yellow	Hi-vis yellow	1420268	
VF IMS T P e-pro hi-vis orange	Hi-vis orange	1420270	
VF IMS T P e-pro hi-vis red	Hi-vis red	1420269	

THE RX DISPENSER SYSTEM

Touchless soap and disinfectant dispenser, 500 ml for desktop, wall mounting or on stand

RX 5 T

For disinfectant, alco-gel, soap and flowable lotions, plastic, for 500 ml Euro bottle, DHP disposable hygiene pump or plastic pump for reprocessing (see p. 29), Easy one-handed pump exchange through front, dosage 1.0 ml or 1.5 ml/stroke, desktop device, optional with back plate for wall mounting, incl. batteries, hygiene stand ordered separately.

Pump:	DHP disposable hygiene pump or IMP K reprocessable plastic pump
Bottle:	For 500 ml Standard Euro bottle
Dimensions:	W 102 x H 269 x D 142 (158) mm without drip tray (with back plate) W 157 x H 269 x D 226 (242) mm with drip tray (with back plate)

	DHP Disposable hygiene pump, 1.5 ml/stroke	**Art. No.**
RX 5 T DHP	Without drip tray	4402146
RX 5 T DHP	With back plate for wall mounting	4402147
RX 5 T DHP	With white drip tray	4402285
RX 5 T DHP	With back plate for wall mounting and white drip tray	4402283
RX 5 T DHP hi-vis yellow	With hi-vis yellow drip tray	4402279
RX 5 T DHP hi-vis yellow	With back plate for wall mounting and hi-vis yellow drip tray	4402278
RX 5 T DHP hi-vis orange	With hi-vis orange drip tray	4402271
RX 5 T DHP hi-vis orange	With back plate for wall mounting and hi-vis orange drip tray	4402270
RX 5 T DHP hi-vis red	With hi-vis red drip tray	4402275
RX 5 T DHP hi-vis red	With back plate for wall mounting and hi-vis red drip tray	4402274
	DHP also available with 1.0 ml/stroke - please contact us	

ideal for medical areas

	IMP K Plastic pump, 1.0 ml/stroke	**Art. No.**
RX 5 T	Without drip tray	4401736
RX 5 T	With back plate for wall mounting	4401764
RX 5 T	With white drip tray	4402232
RX 5 T	With back plate for wall mounting and white drip tray	4402235
RX 5 T hi-vis yellow	With hi-vis yellow drip tray	4402239
RX 5 T hi-vis yellow	With back plate for wall mounting and hi-vis yellow drip tray	4402242
RX 5 T hi-vis orange	With hi-vis orange drip tray	4402240
RX 5 T hi-vis orange	With back plate for wall mounting and hi-vis orange drip tray	4402243
RX 5 T hi-vis red	With hi-vis red drip tray	4402238
RX 5 T hi-vis red	With back plate for wall mounting and hi-vis red drip tray	4402241
	IMP K also available with 1.5 ml/stroke - please contact us	

ideal for public areas

RX 5 T with back plate

	Optional accessories	**Art. No.**
Back plate	For wall mounting	4401226
Drip tray	White	4402269
RX 5 T Stand	Mounting height 95 cm, stand ø 40 cm	1422671

RX 5 T on optional stand

Manual soap and disinfectant dispenser, 500 ml

RX 5 M

For disinfectant, alco-gel, soap and flowable lotions, plastic, with drip tray, stainless steel lever, compatible with 500 ml Euro bottle (not inluded), incl. DHP Disposable hygiene pump or IMP K plastic pump for reprocessing (see p. 29), easy one-handed pump exchange through front, dosage 1.5 ml/ stroke, for wall mounting, optional lock.

Pump: DHP disposable hygiene pump or IMP K reprocessable plastic pump

Bottle: For 500 ml Standard Euro bottle

Maße: W 98 (176) x H 302 x D 149 (194) mm (with drip tray)

	With DHP Disposable hygiene pump	Art. No.
RX 5 M DHP (Non-Locking)	Clear drip tray with printed instructional graphics	4402252
RX 5 M DHP (Locking)	Lockable Clear drip tray with printed instructional graphics	4402253
RX 5 M DHP (Non-Locking)	White drip tray	4401974
RX 5 M DHP (Locking)	Lockable White drip tray	4401975
RX 5 M DHP (Non-Locking)	Hi-vis yellow drip tray	4402230
RX 5 M DHP (Locking)	Lockable Hi-vis yellow drip tray	4402291
RX 5 M DHP (Non-Locking)	Hi-vis orange drip tray	4402250
RX 5 M DHP (Locking)	Lockable Hi-vis orange drip tray	4402290
RX 5 M DHP (Non-Locking)	Hi-vis red drip tray	4402228
RX 5 M DHP (Locking)	Lockable Hi-vis red drip tray	4402229

	With IMP K plastic pump	Art. No.
RX 5 M (Non-Locking)	Clear drip tray with printed instructional graphics	4402226
RX 5 M (Locking)	Lockable Clear drip tray with printed instructional graphics	4402227
RX 5 M (Non-Locking)	White drip tray	4401841
RX 5 M (Locking)	Lockable White drip tray	4401842
RX 5 M (Non-Locking)	Hi-vis yellow drip tray	4402222
RX 5 M (Locking)	Lockable Hi-vis yellow drip tray	4402223
RX 5 M (Non-Locking)	Hi-vis orange drip tray	4402224
RX 5 M (Locking)	Lockable Hi-vis orange drip tray	4402225
RX 5 M (Non-Locking)	Hi-vis red drip tray	4402220
RX 5 M (Locking)	Lockable Hi-vis red drip tray	4402221

Manual soap and disinfectant dispenser, 500 ml

RX 5 M

For disinfectant, alco-gel, soap and flowable lotions, plastic, with drip tray, stainless steel lever, compatible with 1000 ml Euro bottle (not inluded), incl. DHP Disposable hygiene pump (dosage 1.5 ml/stroke) or IMP K plastic pump for reprocessing (dosage adjustable 0.8/ 1.1/ 1.5 ml/stroke), easy one-handed pump exchange through front, for wall mounting, optional lock.

Pump:	DHP disposable hygiene pump or IMP K reprocessable plastic pump (see p. 29)
Bottle:	For 1000 ml Standard Euro bottle
Dimensions:	W 112 (184) x H 334 x D 151 (218) mm (with drip tray)

	With DHP Disposable hygiene pump	Art. No.
RX 10 M DHP (Non-Locking)	Clear drip tray with printed instructional graphics	4402749
RX 10 M DHP (Locking)	Lockable Clear drip tray with printed instructional graphics	4402754
RX 10 M DHP (Non-Locking)	White drip tray	4402745
RX 10 M DHP (Locking)	Lockable White drip tray	4402750
RX 10 M DHP (Non-Locking)	Hi-vis yellow drip tray	4402747
RX 10 M DHP (Locking)	Lockable Hi-vis yellow drip tray	4402752
RX 10 M DHP (Non-Locking)	Hi-vis orange drip tray	4402748
RX 10 M DHP (Locking)	Lockable Hi-vis orange drip tray	4402753
RX 10 M DHP (Non-Locking)	Hi-vis red drip tray	4402746
RX 10 M DHP (Locking)	Lockable Hi-vis red drip tray	4402751

	With IMP K plastic pump	Art. No.
RX 10 M (Non-Locking)	Clear drip tray with printed instructional graphics	4402739
RX 10 M (Locking)	Lockable Clear drip tray with printed instructional graphics	4402744
RX 10 M (Non-Locking)	White drip tray	4402735
RX 10 M (Locking)	Lockable White drip tray	4402740
RX 10 M (Non-Locking)	Hi-vis yellow drip tray	4402737
RX 10 M (Locking)	Lockable Hi-vis yellow drip tray	4402742
RX 10 M (Non-Locking)	Hi-vis orange drip tray	4402738
RX 10 M (Locking)	Lockable Hi-vis orange drip tray	4402743
RX 10 M (Non-Locking)	Hi-vis red drip tray	4402736
RX 10 M (Locking)	Lockable Hi-vis red drip tray	4402741

OPHARDT
HYGIENE

PRAESIDIO®
THE IDEAL DISPENSER FOR PUBLIC SPACES

Hand hygiene in public areas

Hands are the primary vehicle used to spread germs. Hand disinfection is the simplest and most effective measure of protection against infection.

This makes the installation of dispensing systems for hand hygiene in public areas - such as **airports, train stations, schools, universities, offices or sports areas** - all the more important.

Our disinfection stations are available in various styles - for manual and touchless dispenser systems - and provide ideal solutions for hand hygiene in any public setting.

Public area disinfection dispenser, touchless, 1000 ml

PRAESIDIO® with stand

Touchless dispenser for alcohol based disinfectant, stainless steel, white powder coated door (RAL 9016), lockable, stainless steel pump with shower head for liquid disinfectants and outlet for alco-gel (enclosed), hygienic spray chamber with integrated drip tray, fill level window, extensive battery life, incl. HDPE-bottle and batteries, for wall or stand mounting, stand ordered separately.

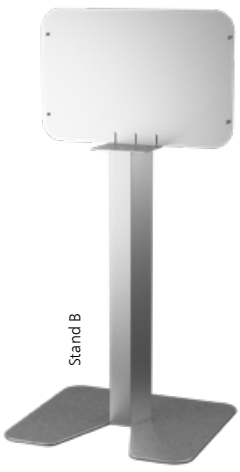
NEW - NOW ALSO FOR ALCO-GEL

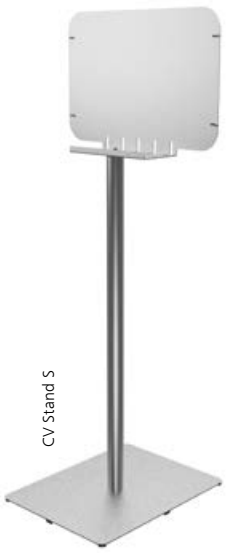
Pump: Autoclavable stainless steel pump with precise spray cone, adjustable dosage (ca. 0.7/ 1.0/ 1.2/ 1.5 ml/ stroke)

Bottle: For 1000 ml standard Euro bottle, refillable or replaceable with any product adhering to Euro bottle standard

Dispenser dimensions: W 506 x H 334 x D 174 mm

	Description	Art. No.
PRAESIDIO	„HÄNDEDESINFEKTION“ print	1422021
PRAESIDIO	„HAND DISINFECTION“ print	3401302
PRAESIDIO	without print „HÄNDEDESINFEKTION“	3401073
Stand PRAESIDIO S	operating height: approx. 120 cm	1423511
Stand PRAESIDIO B	accessible operating height: approx. 90 cm	1423512
CV Stand PRAESIDIO S	operating height: approx. 120 cm	3401457
CV Stand PRAESIDIO B	accessible operating height: approx. 90 cm	3401617
	Optional accessories	**Art. No.**
PRAESIDIO Power supply	Input AC 100-240 V - 0.35 A	4401040





Stand prepared for ingo-man® and RX series dispensers

Hygiene stand

Extra heavy floor plate with rubber feet ensures a safe and stable stand.
The sanitizing station with wheels is outfitted with an extra large base plate for increased stability. Pictograph stickers explain the proper method of disinfection.

Stand comes prepared for mounting of manual or touchless 1000 ml ingo-man® plus dispensers, optional mounting of 500 ml dispensers (please state explicitly when ordering) for all ingo-man® plus 500 ml dispensers and RX series, dispenser and accessories are not included.

Dimensions: without wheels: W 390 x H 1419 x D 390 mm
with wheels: W 470 x H 1472 x D 470 mm

	Stainless steel with anti-fingerprint coating	Art. No.
Disinfection Point AFP	Without wheels	1419273
Disinfection Point AFP	With wheels	1419274

	Stainless steel	Art. No.
Disinfection Point	Without wheels	3400177
Disinfection Point	With wheels	3400262

Stainless steel stands prepared for different dispensers

CV Stand without dispenser

Stainless steel stand prepared for mounting of 500 ml and 1000 ml dispensers from ingo-man®, ingo-man® plus, ingo-man® smart, RX, LCP, ER T and KX Touchless series or PRAESIDIO (dispenser not included), floor plate with rubber feet, incl. adapter plate, drip tray and mounting accessories, operating height (S) approx. 120 cm, accessible operating height approx. 80 cm or approx. 90 cm (PRAESIDIO).

Dimensions: S: W 406 x H 1338 x D 375 mm
B: W 406 x H 874 x D 375 mm
PRAESIDIO S: W 506 x H 1293 x D 488 mm
PRAESIDIO B: W 506 x H 1047 x D 488 mm

	Description	Art. No.
CV Stand S	operating height: approx. 120 cm	3401452
CV Stand B	accessible operating height: approx. 80 cm	3401493
CV Stand PRAESIDIO S	operating height: approx. 120 cm	3401457
CV Stand PRAESIDIO B	accessible operating height: approx. 90 cm	3401617

Stainless steel stand with dispenser

CV Stand with dispenser

Stainless steel stand with dispenser, floor plate with rubber feet, incl. adapter plate, drip tray and mounting accessories, operating height (S) approx. 120 cm, accessible operating height approx. 80 cm.

Dimensions: S: W 406 x H 1338 x D 375 mm
B: W 406 x H 874 x D 375 mm

	Description	Art. No.
CV Stand S incl. T 26 A/24	with ingo-man® T 26 A/24 dispenser, 1000 ml, stainless steel pump	3401462
CV Stand S incl. E 26 A/24	with ingo-man® E 26 A/24 dispenser 500 ml, stainless steel pump	3401491
CV Stand B incl. T 26 A/24	with ingo-man® T 26 A/24 dispenser, 1000 ml, stainless steel pump	3401515
CVStand B incl. E 26 A/24	with ingo-man® E 26 A/24 dispenser, 500 ml, stainless steel pump	3401492

Sanitizing stand with disinfectant dispenser, 1000 ml

Hygiene station

Hygiene station E AFP IMP T SH T, stainless steel with anti-fingerprint-coating, manual ingo-man® plus disinfectant dispenser (1000 ml), drip tray, optional: Document holder for mounting on disinfection station.

Manual dispenser set:	Stainless steel station with Anti-Fingerprint-Coating IMP T disinfection dispenser, 1000 ml SH T drip tray
Touchless dispenser set:	Stainless steel station with Anti-Fingerprint-Coating IMP T touchless disinfection dispenser, 1000 ml SH 5 drip tray
Dimensions:	W 350 x H 1210 x D 330 mm

	Stainless steel with anti-fingerprint-coating	Art. No.
Hygiene Station E AFP IMP T SH T	Set with manual dispenser	1420163
Hygiene Station E AFP IMP T Touchless SH 5	Set with touchless dispenser	1420164

	Optional	Art. No.
Hygiene Station E AFP	Station without dispenser and drip tray	1420177
Document holder	DIN A4, retrofittable	1420527

Document holder

Stainless steel stand with disinfectant dispenser, touchless, 500 ml

RX 5 T with stand

Touchless and flexible for use in any medical setting – the RX 5 T dispenser system offers convenient hand hygiene locations in nearly every situation thanks to its stable base, stand ordered separately.

Pump:	DHP disposable hygiene pump, dosage 1.5 ml/ stroke
Bottle:	For 500 ml standard Euro bottle
Dimensions:	W 157 x H 269 x D 142 mm
Dimensions stand:	Height 122 cm, stand ø 40 cm

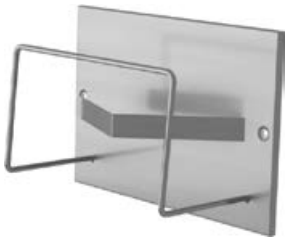
	Description	Art. No.
RX 5 T DHP	Dispenser with white drip tray	4402285
RX 5 T Stand	Stainless steel	1422671

Peha-soft nitrile
Peha-soft nitrile

Save space with wall-mounted glove dispensers

The Robert Koch Institute considers wearing disposable medical gloves key for both infection prevention and occupational health and safety.

For example, gloves can protect the wearer from blood or secretions when caring for patients, while they also serve to break the chain of infection.



Bracket system for glove dispenser

Bracket system

ingo-man® wall brackets, stainless steel, for up to 3 glove boxes.

Dimensions:
3BF: W 254 x H 510 x 110 mm
2BF: W 254 x H 340 x 110 mm
1BF: W 254 x H 170 x 110 mm

	Description	Art. No.
3BF	For 3 boxes	1423265
2BF	For 2 boxes	1423264
1BF	For 1 box	1423263

DID YOU KNOW?

The German Commission for Hospital Hygiene and Infection Prevention recommends wearing disposable gloves in healthcare facilities in the following situations:

- To protect the wearer from contamination from blood, secretions and excretions, including pathogens and indirectly to interrupt the transmission of infections.
- To stop pathogens from being released from the hand into aseptic areas, especially when the expected pathogens are resistant to alcohol-based hand disinfectants (e.g. C. difficile).

Availability at Point-of-Care

One dispenser system - endless installation opportunities

Point-of-care is the location where three elements come together: the patient, the healthcare professional, and the treatment itself. At this location, hand disinfection is needed most, and disinfection opportunities must be made accessible.

Install ingo-man® or RX dispensers directly at the "Point-of-Care":

- On standard rail systems (10 x 25 mm) and on round frames, e.g. patient beds
- Using space saving "installation parallel or at 90-degree-angle"
- On vertical surfaces, e.g. on trollies
- On tables and flat surfaces
- With an angle plate for narrow hallways

We are continuously extending the available range of bracket systems for ingo-man® dispensers – matching your installation needs. Haven´t found the right solution? Please contact us - we will be happy to help you:

customercare@ophardt.com

Important: all 500 ml IMP Touchless and IMS Touchless dispensers are only compatible with the mounting solutions for 1000 ml dispensers.

Dispenser bracket for round frame

WH R2

For installing dispensers with ingo-man® back plate (IMP, IMS, RX) on patient beds or medical trollies, even with drip trays. Dispenser not included.

	Dispenser size	Art. No.
WH R2 E	500 ml	1423151
WH R2 T	1000 ml	1423152

Angle plate for round frame

WPR

For installing ingo-man® plus dispensers on patient beds, space-saving parallel mounting. Dispenser not included.

	Dispenser size	Art. No.
WPR E	500 ml	1418933
WPR T	1000 ml	1418934

Dispenser bracket for standard rail

WH D3

For installing dispensers with ingo-man® back plate (IMP, IMS, RX) to 25 mm standard rails, even with drip tray. Dispenser not included.

	Dispenser size	Art. No.
WH D3 E 25	500 ml	1423149
WH D3 T 25	1000 ml	1423150

Angle plate for standard rail

WPD2

ingo-man® angle plate for 25 mm standard rail,
parallel fastening of 500 ml dispenser (WPD2 E) or 1000 ml dispenser (WPD2 T),
left-hand-side or right-hand-side, brushed stainless steel. Dispenser not included.

	For 500 ml dispensers	Art. No.
WPD2 E left	Dispenser left	3401239
WPD2 E right	Dispenser right	3401242

	For 1000 ml dispensers	Art. No.
WPD2 T left	Dispenser left	3401234
WPD2 T right	Dispenser right	3401237

Plastic backplate

ingo-man® Backplate

Standard backplate for ingo-man®, ingo-man® plus and ingo-man® smart dispensers, plastic, grey, for 500 ml or 1000 ml dispensers. Please note: the 1000 ml bracket system (Art. No. 189601) is also the correct bracket system to use with the 500 ml IMP Touchless dispenser.

Dimensions: for 500 ml dispensers: W 89 x H 276 x T 10 mm
for 1000 ml dispensers: W 89 x H 276 x T 10 mm

	Description	Art. No.
ingo-man® Backplate	for 500 ml dispensers	242602
ingo-man® Backplate	for 1000 ml dispensers	189601

WH T WH FT

Stainless steel backplate

WH

Easy wall mounting, compatible with ingo-man® dispensers from the Classic, IMP and IMS series, including e-pro and Touchless. Wall brackets for front removal are not compatible with stainless steel dispensers.

To attach and remove a dispenser from the wall mount, only a little space is required above the dispenser compared to the standard back panel. Wall mounts are ideal for mounting underneath sloping or wall-mounted cabinets.

Dimensions: WH E: W 77 x H 235 mm
WH FE: W 77 x H 238 mm
WH T: W 88 x H 278 mm
WH FT: W 90 x H 280 mm

	for 500 ml dispensers	Art. No.
WH E		452200
WH F E	for front removal	1414938

	for 1000 ml dispensers	Art. No.
WH T		650900
WH F T	for front removal	1414940

Angle plate

WP

For installing of the ingo-man® classic and ingo-man® plus dispensers in narrow hallways. Dispenser not included.

	Dispenser size	Art. No.
WP E A	500 ml	290100
WP T A	1000 ml	290200

Table mounting

TH

For secure placement of ingo-man® classic and ingo-man® plus dispensers on horizontal surfaces. Dispenser not included.

	Dispenser size	Art. No.
TH E E	500 ml	1418123
TH T E	1000 ml	1418128

Glove dispenser wall bracket

UHS

Stainless steel bracket for one box of hygienic gloves, for wall mounting, box of gloves not included.

Dimensions: W 255 x H 132 x D 85 mm

		Art. No.
UHS E		1413316

	Optional accessories	Art. No.
RRH	Assembly kit for tubular frame fixing	1413329

Wall bracket for standard Euro bottles

WH

Stainless steel bracket for one Standard Euro bottle, 500 ml, 1000 ml or 2500 ml, for wall mounting.

Dimensions: WH 05: W 76 x H 125 x D 64 mm
WH 10: W 91 x H 125 x D 77 mm
WH 25: W 127 x H 200 x D 91 mm

	Bottle size	Art. No.
WH 05 E	500 ml	1412618
WH 10 E	1000 ml	1415103
WH 25 E	2500 ml	1415104

Clamp system for flow pack

Flow pack holder

For wall mounting, dishwasher safe. Flow pack not included.

Suggested flow pack size: max. height 105 mm, max. depth 120 mm.

Lid opening: W 98 x D 74 mm

Dimensions: W 172 x H 133 x D 129 mm

		Art. No.
Flow pack holder	Robust stainless steel	1421265

Built-in cabinet dispenser

SPS 2 E

Without housing, stainless steel operating lever,

Pump: Stainless steel pump 25
adjustable dosage (approx. 0.7/ 1.0/ 1.5 ml / stroke)

Bottle: For 500 ml standard Euro bottles, bulk fill/refillable, removable from below, fire retardant version available

Dimensions: W 91 x H 230 x D 215 mm

	Dispenser	Art. No.
SPS 2 E E/25	500 ml	3400819

Paper towel dispenser, 300 sheets
IMP HS 15

Surface with bacteriostatic effect, lockable.

Volume: Approx. 300 sheets, standard layer fold or ZZ-fold paper
Paper removal: Plastic outlet with ergonomically rounded edges
Dimensions: W 275 x H 184 x D 131 mm

	ZZ-, Z- and Layerfold	Art. No.
IMP HS 15 A	Aluminum	2400316
IMP HS 15 P	Powder coated white	1420228
IMP HS 15 EE	Stainless steel	1420229
IMP HS 15 Cu	Anodized aluminum, copper impregnated	2400326

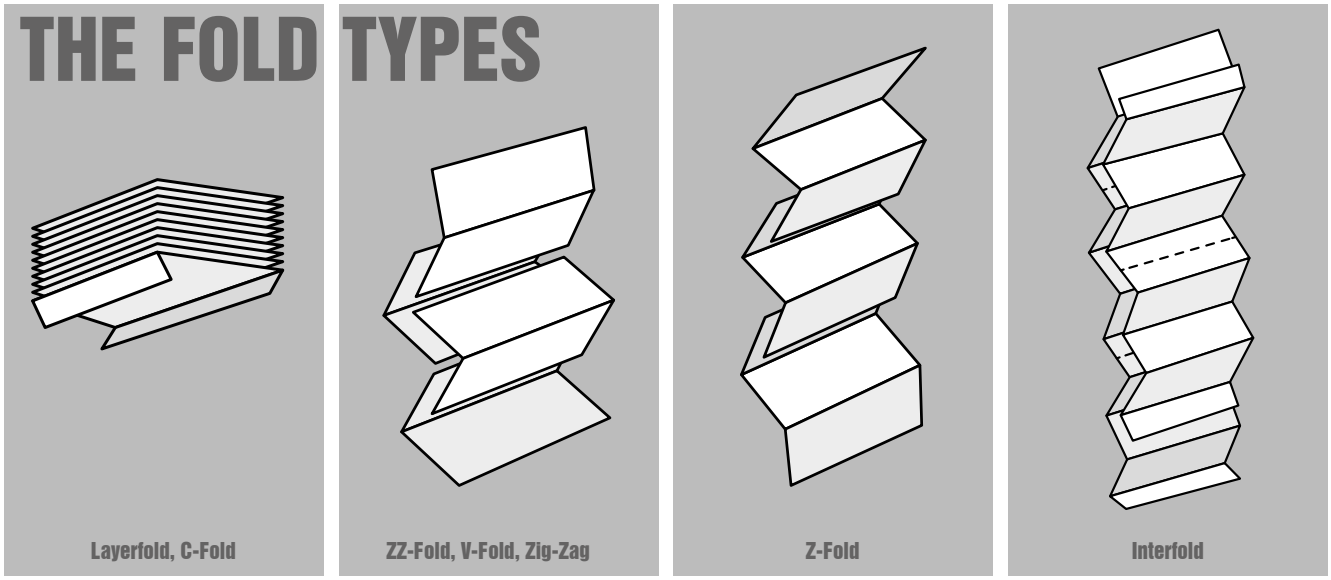
Paper towel dispenser, 750 sheets
IMP HS 31

Surface with bacteriostatic effect, lockable.

Volume: Approx. 750 sheets, standard layer fold, ZZ-fold or Interfold paper
Paper removal: Plastic outlet with ergonomically rounded edges
Dimensions: W 275 x H 370 x D 131 mm

	ZZ-, Z- and Layerfold	Art. No.
IMP HS 31 A	Aluminum	2400321
IMP HS 31 P	Powder coated white	1416730
IMP HS 31 EE	Stainless steel	1420227
IMP HS 31 Cu	Anodized aluminum, copper impregnated	2400329

	Z- and Interfold	Art. No.
IMP HS 31 A Interfold	Aluminum	1420234
IMP HS 31 P Interfold	Powder coated white	1420238
IMP HS 31 EE Interfold	Stainless steel	1420235
IMP HS 31 Cu Interfold	Anodized aluminum, copper impregnated	1420237



Compatability of paper with outlet type depends on fold type, size and quality of the paper.
Paper manufacturers may use different descriptions. Please contact your supplier for further clarification.

Paper towel dispenser, 300 sheets

HS 15

Surface with bacteriostatic effect, lockable.

Volume: Approx. 300 sheets, standard layer fold or ZZ-fold paper

Paper removal: Plastic outlet with ergonomically rounded edges

Dimensions: W 275 x H 185 x D 130 mm

	ZZ-, Z- and Layerfold	Art. No.
HS 15 A	Aluminum	801400
HS 15 P	Powder coated white	801500
HS 15 EE	Stainless steel	152100

Paper towel dispenser, 750 sheets

HS 31

Surface with bacteriostatic effect, lockable.

Volume: Approx. 300 sheets, standard layer fold or ZZ-fold paper

Paper removal: Plastic outlet with ergonomically rounded edges

Dimensions: W 275 x H 355 x D 130 mm

	ZZ-, Z- and Layerfold	Art. No.
HS 31 A	Aluminum	778900
HS 31 P	Powder coated white	779000
HS 31 EE	Stainless steel	297100

	Z- and Interfold	Art. No.
HS 31 A Interfold	Aluminum	1415415
HS 31 P Interfold	Powder coated white	1417724
HS 31 EE Interfold	Stainless steel	1417723

Paper towel dispenser, with transparent door, 750 sheets

HS 3

Surface with bacteriostatic effect, lockable.

Volume: Approx. 750 sheets, standard layer fold, ZZ-fold or Interfold paper

Paper removal: Plastic outlet with ergonomically rounded edges

Dimensions: W 275 x H 355 x D 130 mm

	ZZ-, Z- and Layerfold	Art. No.
HS 3 A	Aluminum	1416424

	Z- and Interfold	Art. No.
HS 3 A Interfold	Aluminum	2400141

Hygienic waste bin for hands-free operation

ingo-slide

When disposing of waste, the hygienic "no-hands principle" ensures effective protection against the spread of bacteria and germs - which is critical in health-care settings. This is exactly where OPHARDT Hygiene's new hygienic waste disposal unit makes its mark. The ingo-slide is designed to be mounted either on nurses' trolleys or on walls, and opened using a patented mechanical opening feature when tipped lightly by the foot. When disposal is complete, the ingo-slide can be closed with a gentle touch of the knee. A section integrated into the bottom of the waste bin allows for storage of bags. To replace a waste bag, simply pull from the roll at the bottom of the bin.

- Hygienic, hands-free operation
- Simple to use: open with toe / close with knee
- Robust material (stainless steel, AFP or powder coated white)
- Soft-closing
- Clean, intuitive design
- Storage for spare rolls of plastic bags
- Bottom opening for easy insertion of a new bag from the roll
- Dimensions: W 400 x H 487 x D 170 mm (15 l)
  W 420 x H 598 x D 209 mm (25 l)

	Description	Art. No.
ingo-slide 15 E AFP	Stainless steel with AFP, 15 l	1422612
ingo-slide 15 E	Stainless steel, 15 l	1422753
ingo-slide 15 P	White powder coated, 15 l	1422613
ingo-slide 25 E AFP	Stainless steel with AFP, 25 l	1422614
ingo-slide 25 E	Stainless steel, 25 l	1422754
ingo-slide 25 P	White powder coated, 25 l	1422615

KLINIKUM WESTMÜNSTERLAND
St. Agnes-Hospital Bocholt

"Hands-free operation ensures the hygienic disposal of waste in everyday clinical practice and fits perfectly into our clinic-wide overall hygiene concept."

Dr. Olaf Baumhove, M.D.
Chief Physician at St. Agnes Hospital Bocholt

see the How-to Video

Waste bin with foot pedal

NWB

Made of stainless steel, available with anti-fingerprint-coating, optimized for use in medical facilities, rollable, with foot-operated opening mechanism, with internal waste bag holder, self-closing, soft-close lid, recessed lid to prevent hand contact (minimizes contamination).

Volume: 24 l, 50 l or 70 l

Dimensions: NWB 24: W 283 x H 503 x D 377 mm
NWB 50: W 374 x H 683 x D 376 mm
NWB 70: W 374 x H 883 x D 376 mm

	24 litre	**Art.-Nr.**
NWB 24 E	Stainless steel	1416587
NWB 24 E AFP	Stainless steel with anti-fingerprint-coating	1418560
PB 3	Plastic bags, white, 200 pcs.	186400

	50 litre	**Art.-Nr.**
NWB 50 E	Stainless steel	1416588
NWB 50 E AFP	Stainless steel with anti-fingerprint-coating	1419160
PB 4	Plastic bags, white, 200 pcs.	128100

	70 litre	**Art.-Nr.**
NWB 70 E	Stainless steel	1416589
NWB 70 E AFP	Stainless steel with anti-fingerprint-coating	1419161
TB 70	Plastic bags, blue, 4 x 25 pcs.	831300

self-closing, soft-close lid

foot-operated

convenient transport wheels

NWB WASTE BINS
HYGIENIC, HANDS FREE

Waste bin
SK

Stainless steel or powder coated white (RAL 9003), includes wall mounting kit.

Volume: 18 l, 26 l or 60 l

Dimensions: SK 18: W 302 x H 306 x D 207 mm
SK 26: W 305 x H 446 x D 195 mm
SK 60: W 400 x H 630 x D 270 mm

	18 litre	Art. No.
SK 18 P white	Powder coated white	795100
PB 2	Plastic bags, grey, 4 x 50 pcs.	506100

	26 litre	Art. No.
SK 26 P white	Powder coated white	966100
SK 26 E	Stainless steel	376700
PB 3	Plastic bags, white, 200 pcs.	186400

	60 litre	Art. No.
SK 60 P white	Powder coated white	705100
SK 60 E	Stainless steel	705200
PB 4	Plastic bags, white, 200 pcs.	128100

Waste bin
AB

Including polyester bag safe-guard, stand alone or wall mounting, removable mounting plate.

Volume: 6 l or 15 l

Dimensions: AB 6: W 215 x H 299 x D 156 mm
AB 15: W 318 x H 409 x D 187 mm

	6 litre	Art. No.
AB 6 A	Aluminum	231000
AB 6 P	Powder coated white	231600
AB 6 E	Stainless steel	285100
PB 1	Plastic bags, grey, 4 x 50 pcs.	461500

	15 litre	Art. No.
AB 15 A	Aluminum	287300
AB 15 P	Powder coated white	287400
AB 15 E	Stainless steel	484500
PB 2	Plastic bags, grey, 4 x 50 pcs.	506100

Hygienic waste bin and hygienic bag dispenser

AB 6 HB 1

Stand alone or wall mounting, removable mounting plate, hygienic bag dispenser for paper bags, hygienic bag dispenser also available separately.

Volume: 6 l

Dimensions: AB 6 HB: W 215 x H 300 x D 170 mm
HB 1: W 130 x H 275 x D 30 mm

	6 litre	Art. No.
AB 6 HB 1 A	Aluminum	232500
AB 6 HB 1 P	Powder coated white	232600
AB 6 HB 1 E	Stainless steel	284700
PB 1	Plastic bags, grey, 4 x 50 pcs.	461500
HYGB	Paper bags, 250 pcs.	509200

	Hygienic bag dispenser	Art. No.
HB 1 A	Aluminum	311500
HB 1 P	Powder coated white	1120700
HB 1 E	Stainless steel	798500
HYGB	Paper bags, 250 pcs.	509200

Hygienic waste bin and hygienic bag dispenser

AB 6 HB 2

Stand alone or wall mounting, removable mounting plate, hygienic bag dispenser for paper bags, hygienic bag dispenser also available separately.

Volume: 6 l

Dimensions: AB 6 HB: W 215 x H 300 x D 170 mm
HB 2: W 91 x H 136 x D 24 mm

	6 litre	Art. No.
AB 6 HB 2 A	Aluminum	1415091
AB 6 HB 2 P	Powder coated white	1415092
AB 6 HB 2 P	Powder coated matte black “Midnight“	1423023
AB 6 HB 2 E	Stainless steel	1415093
PB 1	Plastic bags, grey, 4 x 50 pcs.	461500
HYGB K	Plastic bags, 4 x 25 pcs.	1245800

	Hygienic bag dispenser	Art. No.
HB 2 P	Powder coated white	1412012
HB 2 E	Stainless steel	1412013
HYGB K	Plastic bags, 4 x 25 pcs.	1245800

HYGIENIC SOLUTIONS FOR PUBLIC WASHROOMS

The problem: high-traffic public spaces

During a typical day, each of us spends several hours in public spaces. We go to work, to school or university, go shopping, go to a restaurant in the evening, or are traveling. While this past year has been different, during normal times we can easily spend between 8 and 10 hours a day outside our own four walls. During this time, we touch the backs of chairs, doorknobs, tabletops, and visit public washrooms—a paradise for germs.

The solution: sufficient opportunities for hand hygiene

By this we do not just mean a single disinfectant dispenser, but an overall solution to provide consistent and comprehensive hand hygiene. This is the only way to guarantee adequate protection against infection.

Remain independent and choose any filling product

The entire SanTRAL® dispenser family has always been an open system. As a refillable dispenser system, you can choose filling products from different manufacturers. This guarantees you the greatest possible flexibility, protects you from being locked-in to a single source, and provides significant savings potential. In addition, the Robert Koch Institute recommends open formats.

Sanitizing stations for high-traffic entrances, corridors and foyers

According to a recent recommendation by the World Health Organization, public facilities—including schools—should place hand hygiene stations and disinfectant dispensers in their entrance areas to minimize the risk of COVID-19. Our stand-mounted solutions make it easy to meet this requirement.

Robust Design

The sturdy, metal construction of the SanTRAL® series protects you from damage and repair costs caused by vandalism. To meet the highest safety requirements, fire-proof versions of our containers and metering pumps are also available. These features are particularly important for high-use applications like public transit or long-distance trains.

Solutions for all types of washrooms

Every washroom needs to be hygienic, but different spaces pose different challenges. Some washrooms are confined spaces, like in schools or coach busses, and require compact dispensers with low volumes. Other washrooms are large, high-traffic spaces, like those found in malls, stadiums, or airports, that need dispensers with large filling volumes.
Finding the right dispenser with the appropriate filling volume is essential for preventing infection.

Smart washrooms

Properly maintaining washrooms has become increasingly challenging. You may face staff-shortages, new hygiene regulations, higher cleanliness standards from guests because of the pandemic, and a lack of time to properly assign tasks and verify task completion. Efficient, data-driven planning solves many of these problems. As a pioneer in smart washroom for a decade, OPHARDT helps you save time and costs while increasing washroom uptime and customer satisfaction.

Liquid Soap
Savon Liquide

REFILLABLE, NOT DISPOSABLE - BETTER FOR THE PLANET AND THE BUDGET

The problem:

In Germany alone, 1.9 million disposable plastic bottles are consumed every hour. This adds up to 45 million bottles per day. Every year, the production of plastic bottles consumes 480,000 metric tons of crude oil and natural gas concentrates. This amount could heat almost 400,000 single-family homes for a year.

The solution:

By using reusable bottles, you are becoming part of the solution. Decrease your operating costs with an open, refillable system. Open systems are designed to be compatible with products from different manufacturers. The flexibility to switch between suppliers ensures you have a reliable and cost-effective supply of fillers. Refilling containers also saves energy and resources, helping you make a contribution to environmental sustainability.

- **Support environmental sustainability**
- **Reduce your operating costs**
- **Save energy and resources**

Learn more about sustainability at OPHARDT Hygiene:
https://www.ophardt.com/en/about-ophardt/sustainability

SanTRAL® Plus

The washroom series of the future

How can you guarantee guest satisfaction while facing a shortage of time and qualified personnel?

OPHARDT Hygiene's OWMS software and the new generation of SanTRAL® Plus smart dispensers help you enhance the washroom experience for your guests while improving maintenance and cleaning efficiency.

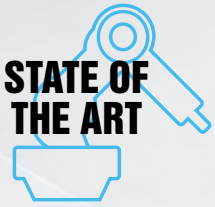
Intelligent dispensers that work for you - Flexible, Reliable, Digital:

Connected dispensers transmit their fill levels and usage data to the cloud. A web-app allows you to optimize refill cycles and ensure that your washroom is always fully stocked.

A timeless and rugged design that is ideal for public spaces:

Its elegant and minimalist design blends perfectly into any washroom thanks to six modern colour finishes.*

*Other RAL Classic colours on request.



State-of-the-art manufacturing for a precision-crafted product:

Our robotic welding process produces high-precision welds for maximum durability. By using fewer welds and making those welds more precise, we create a more hygenic surface.

Proven, made in Germany quality:

OPHARDT Hygiene's products are known their durability, high-grade workmanship, and excellent performance-to-price ratio. The entire manufacturing process of the SanTRAL® Plus complete series, which includes an obsessive quality control inspection, takes place in Germany.

Warranty

We believe that our products meet and exceed the requirements of modern washrooms. Our focus is on sustainability, quality, and cost-effectiveness. For these reasons, we offer a five-year manufacturer's warranty for SanTRAL® Plus product families from the date of delivery.

Fingerprint-resistant

All SanTRAL® Plus Steel Touch products come standard with a permanent anti-fingerprint coating (AFP). This simplifies cleaning and maintenance, saving both time and money. This coating can be easily cleaned with any non-toxic cleaner.

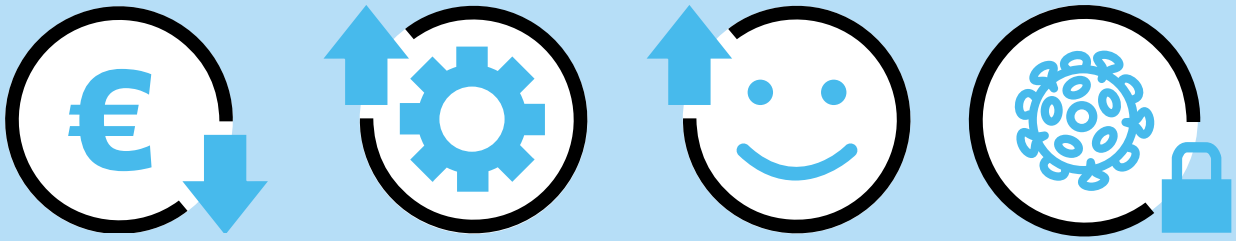
OWMS

OPHARDT Washroom Monitoring System

The washroom is a key feature of any public facility. However, staff-shortages, changes in hygiene regulations, and tight schedules make it difficult to meet the high standards of guest satisfaction. This is especially true after public standards have risen in the wake of COVID-19. Having working dispensers and always having soap and paper products available are essential for a positive guest experience.

OWMS, software specially developed for public washrooms, provides updates on each dispenser. By tracking filling levels and knowing the location of dispensers, OWMS can help efficiently organize maintenance tasks. The entire range of OPHARDT dispensers - from SanTRAL plus to KX smart - is capable of delivering data to OWMS.

Advantages of OWMS-powered washrooms:



Cost-savings | **Efficient planning** | **Customer satisfaction** | **State-of-the-art security**

OWMS' rich data set can provide facilities with:

- **Cost-reduction** through optimized refill cycles
- **Device maintenance data** to improve servicing
- **Device use frequency data** to optimize placement
- **Maximized product availability** increases guest satisfaction
- **Customer and employee infection prevention** in the event of flu outbreaks and pandemics

Learn more: www.ophardt.com/en/owms.html
or simply scan the QR code

OWMS

HYGIENE MADE DIGITAL

OWMS

SMART HYGIENE SOLUTIONS FOR PUBLIC SPACES

The problem: Providing effective infection protection

You face a series of challenges. Employee costs are rising, but efficiency is not. Task-assignment and verification is a time-intensive, manual process. You do not have real-time data on the state of your washrooms. On top of these problems, you face new ones brought on by the pandemic. Guests now demand higher hygiene standards. You face new legal requirements to document cleaning cycles. Expectations that were once only reserved for medical facilities now apply to all public spaces.

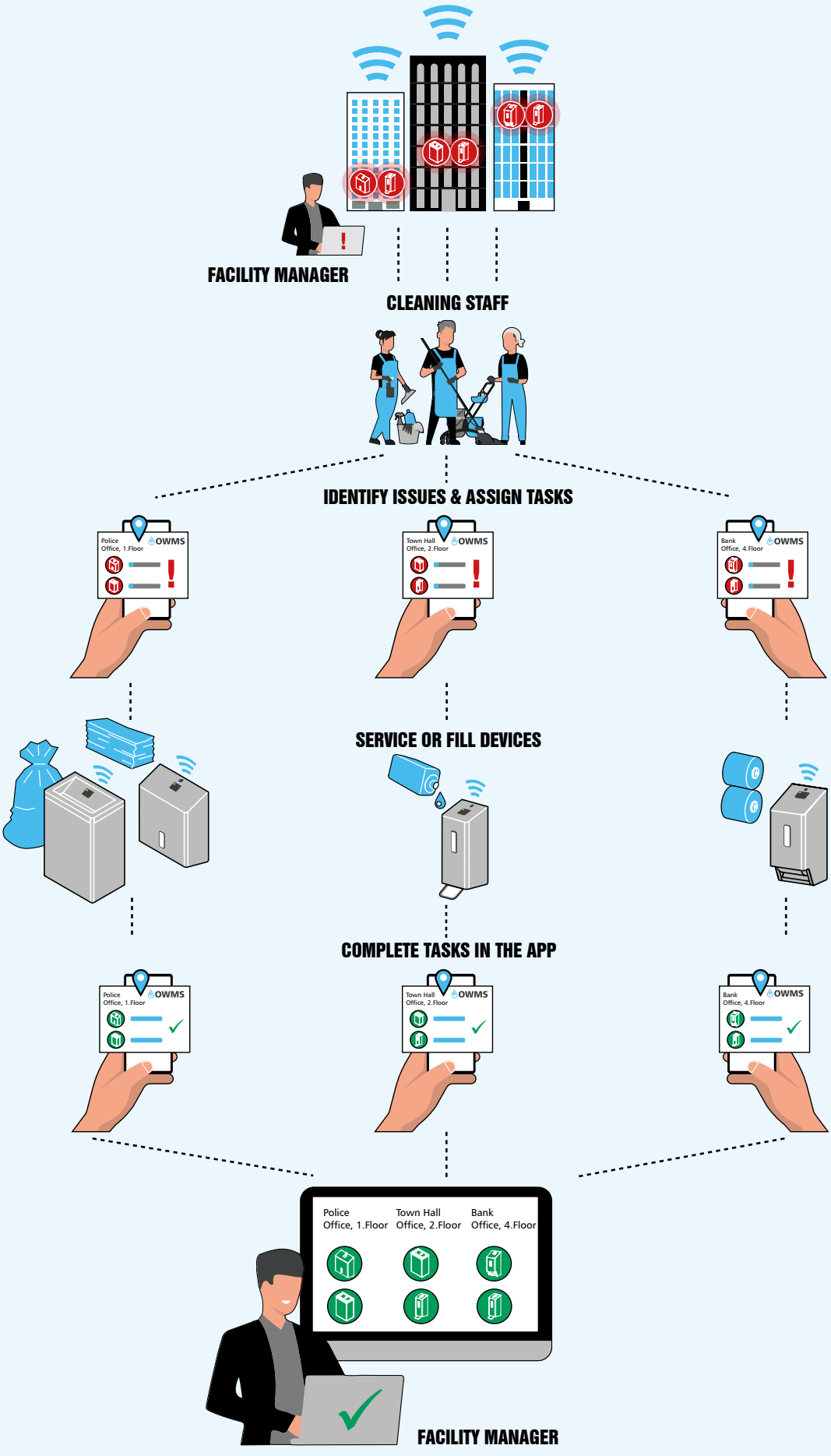
How can all these new requirements and expectations be satisfied? The answer is clear and efficient planning, facilitated by accurate, real-time data.

The solution: connected washrooms with smart dispensers

OWMS makes it possible to organize your cleaning teams and deploy them to where the most immediate needs are. All dispensers that connect to OWMS report their fill level via WiFi in real-time. An app on a tablet or smartphone alerts those responsible about any filling needs.

The dispenser systems send their data in real time

OWMS helps you efficiently keep your public washrooms clean. You get to select at which filling-level threshold the system will alert staff to refill a dispenser. Predefined cleaning processes can be used to automate task creation in the OWMS app. Cleaning or maintenance tasks can be marked as completed by staff on mobile devices.


FACILITY MANAGER
CLEANING STAFF
IDENTIFY ISSUES & ASSIGN TASKS
Police Office, 1.Floor
Town Hall Office, 2.Floor
Bank Office, 4.Floor
OWMS
SERVICE OR FILL DEVICES
COMPLETE TASKS IN THE APP
Police Office, 1.Floor
Town Hall Office, 2.Floor
Bank Office, 4.Floor
FACILITY MANAGER

11°
3 PM
11°
SAT
13° / 8°
7 PM
9°
MON

SanTRAL® Plus

The benchmark for washrooms, made smart.

Improved lock
Beveled, vandalism-proof lock

Improved window
An elegant bezel now encases a vandalism-proof window

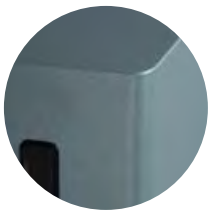
Sloped roof
Sloped design prevents items from being placed on dispenser roof

Hygienic & service-friendly
Smooth welds, bends and powder coating ensure fast cleaning

New Design

Even more choices

Three premium colours
In addition to our standard colours, we offer three other high-quality surface finishes. Pick one of these accent colours and create an atmosphere that matches your brand identity or facility needs.



Oslo Blue

Copper Rose

Slate Grey

Standard colours:
Steel Touch, Arctic White, Midnight

Smart Features:

- Fill-level and activation monitoring
- Data transfer via WiFi
- Visual indicator for fill level and battery level
- Over-the-air configuration and firmware updates
- NFC optional for data readout and configuration via Smartphone
- Smart module can be retroffited at any time

EXPLANATION OF MODEL NAMES

"U"-Series

Housing material

Pump versions

Interchangeable pumps
(Overview on page 110)

Housing finishes

Example

..U E/S ST

1 2 3 4

1 "U"-Series

Examples:

UDU	Universal Dispenser U-Series
PTU	Paper Towel Dispenser U-Series
ACU	Autocut Dispenser U-Series
TTU	Toilet Tissue Dispenser U-Series
OBU	Open Bin U-Series

2 Housing material

E/..	Brushed stainless steel housing
P/...	Brushed stainless steel housing with powder coating

3 Pump versions

…**/S**	Pump for liquids and alcogel (Soap)
…**/F**	Pump for foam (Foam)
…**/D**	Pump for spray (Disinfectant/Sanitizer)

4 Housing finishes (see page 103)

… **/ST**	**Steel Touch,** Stainless steel, brushed with Anti-Fingerprint-Coating
… **/AW**	**Arctic White,** Stainless steel, powder coated white (RAL 9016)
… **/MN**	**Midnight,** Stainless steel brushed, powder coated matte black (RAL 9005)
… **/SG**	**Slate Grey,** Stainless steel brushed, powder coated anthracite, textured
… **/CR**	**Copper Rose,** Stainless steel brushed, powder coated metallic copper
… **/OB**	**Oslo Blue,** Stainless steel brushed, powder coated light gray blue, textured

PCR

CLEAN TIP

Universal dispenser, 600 ml

UDU 5 M

Central window to view filling level, housing with safety catch, lockable, stainless steel operating lever, bulk fill/refillable, Smart Ready and can become connected via Smart Retrofit Kit or purchased with built-in smart module, compatible with OWMS software (see page 98).

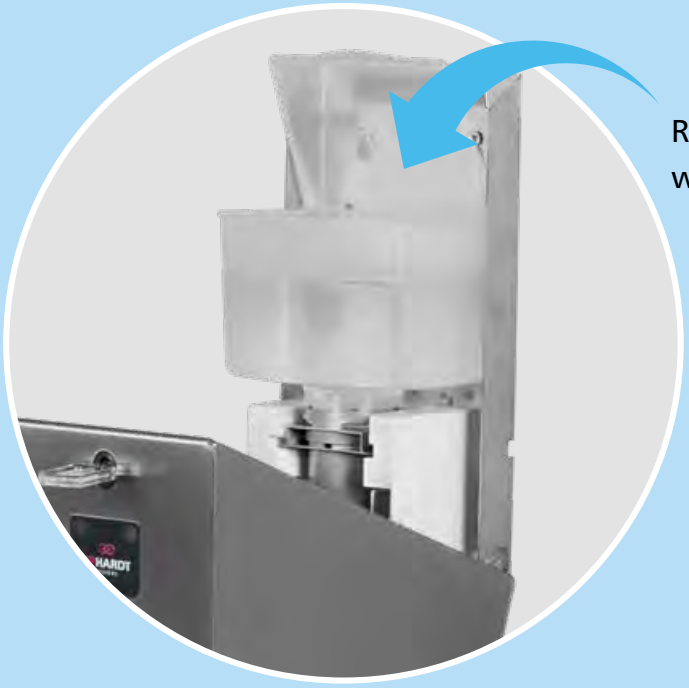
Pump: Pump with exchangeable container, with CleanTip™ Technology (No product dripping), max. dosage 1.4 ml/stroke
Use of post-consumer recycled (PCR) material (see overview on page 110)

Container: PP-refillable cartridge, removable

Dimensions: W 121 x H 299 x D 134 mm

	Steel Touch with Anti-Fingerprint-Coating	Art. No.
UDU 5 M E/S ST	Smart Ready, for liquid soaps and alcogel	1423516
UDU 5 M E/F ST	Smart Ready, for foam soaps	1423523
UDU 5 M E/D ST	Smart Ready, with spray pump for dispensing sanitizer	1423530
UDU 5 M E/S ST SMART	with smart module, for liquids and alcogel	1423586
UDU 5 M E/F ST SMART	with smart module, for foam soap	1423593
UDU 5 M E/D ST SMART	with smart module, with spray pump for dispensing sanitizer	1423600
	Stainless steel, powder coated Arctic White	**Art. No.**
UDU 5 M P/S AW	Smart Ready, for liquid soaps and alcogel	1423514
UDU 5 M P/F AW	Smart Ready, for foam soaps	1423521
UDU 5 M P/D AW	Smart Ready, with spray pump for dispensing sanitizer	1423528
UDU 5 M P/S AW SMART	with smart module, for liquid soaps and alcogel	1423584
UDU 5 M P/F AW SMART	with smart module, for foam soaps	1423591
UDU 5 M P/D AW SMART	with smart module, with spray pump for dispensing sanitizer	1423598
	Stainless steel, powder coated Midnight	**Art. No.**
UDU 5 M P/S MN	Smart Ready, for liquid soaps and alcogel	1423517
UDU 5 M P/F MN	Smart Ready, for foam soaps	1423524
UDU 5 M P/D MN	Smart Ready, with spray pump for dispensing sanitizer	1423531
UDU 5 M P/S MN SMART	with smart module, for liquid soaps and alcogel	1423587
UDU 5 M P/F MN SMART	with smart module, for foam soaps	1423594
UDU 5 M P/D MN SMART	with smart module, with spray pump for dispensing sanitizer	1423601
	Stainless steel, powder coated Slate Grey	**Art. No.**
UDU 5 M P/S SG	Smart Ready, for liquid soaps and alcogel	1423518
UDU 5 M P/F SG	Smart Ready, for foam soaps	1423525
UDU 5 M P/D SG	Smart Ready, with spray pump for dispensing sanitizer	1423532
UDU 5 M P/S SG SMART	with smart module, for liquid soaps and alcogel	1423588
UDU 5 M P/F SG SMART	with smart module, for foam soaps	1423595
UDU 5 M P/D SG SMART	with smart module, with spray pump for dispensing sanitizer	1423602

UNIVERSAL DISPENSER - OPEN REFILL SYSTEM



Refill container
with 600 ml volume

	Stainless steel, powder coated Copper Rose	Art. No.
UDU 5 M P/S CR	Smart Ready, for liquid soaps and alcogel	1423519
UDU 5 M P/F CR	Smart Ready, for foam soaps	1423526
UDU 5 M P/D CR	Smart Ready, with spray pump for dispensing sanitizer	1423533
UDU 5 M P/S CR SMART	with smart module, for liquid soaps and alcogel	1423589
UDU 5 M P/F CR SMART	with smart module, for foam soaps	1423596
UDU 5 M P/D CR SMART	with smart module, with spray pump for dispensing sanitizer	1423603
	Stainless steel, powder coated Oslo Blue	**Art. No.**
UDU 5 M P/S OB	Smart Ready, for liquid soaps and alcogel	1423520
UDU 5 M P/F OB	Smart Ready, for foam soaps	1423527
UDU 5 M P/D OB	Smart Ready, with spray pump for dispensing sanitizer	1423534
UDU 5 M P/S OB SMART	with smart module, for liquid soaps and alcogel	1423590
UDU 5 M P/F OB SMART	with smart module, for foam soaps	1423597
UDU 5 M P/D OB SMART	with smart module, with spray pump for dispensing sanitizer	1423604
	Smart Retrofit Kit	**Art. No.**
Kit SR UDU 5 M	Enable feedback and monitoring features via retrofit	1423654

PCR

CLEAN TIP

QUIET PLUS+

Touchless universal dispenser, 600 ml

UDU 5 T

Central window to view filling level, housing with safety catch, lockable, bulk fill/refillable, Quiet operation (Quiet Plus), Powered by 4 D-batteries, Smart Ready and can become connected via Smart Retrofit Kit or purchased with built-in smart module, compatible with OWMS software (see page 98).

Pump: Pump with exchangeable container, with CleanTip™ Technology (No product dripping), max. dosage 1.2 ml/stroke
Use of post-consumer recycled (PCR) material (see overview on page 110)

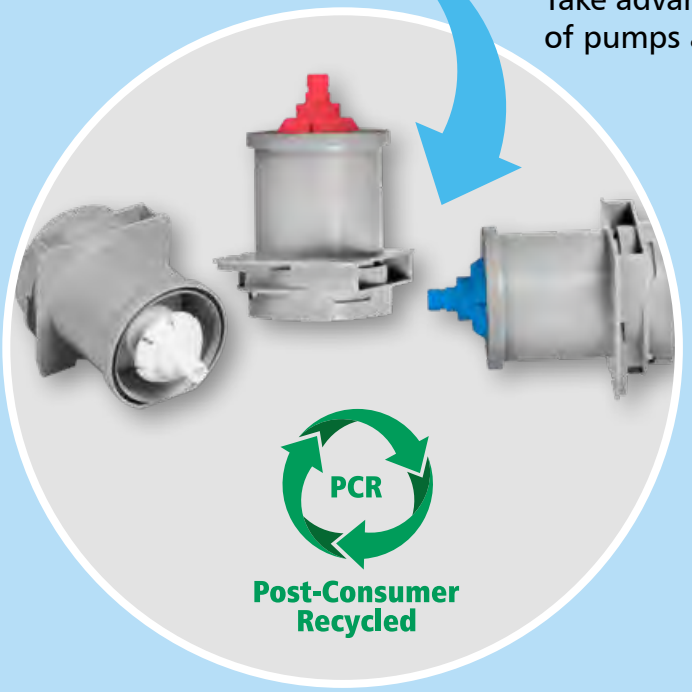
Container: PP-refillable cartridge, removable

Dimensions: W 153 x H 275 x D 105 mm

	Steel Touch with Anti-Fingerprint-Coating	Art. No.
UDU 5 T E/S ST	Smart Ready, for liquid soaps and alcogel	1423537
UDU 5 T E/F ST	Smart Ready, for foam soaps	1423544
UDU 5 T E/D ST	Smart Ready, with spray pump for dispensing sanitizer	1423551
UDU 5 T E/S ST SMART	with smart module, for liquid soaps and alcogel	1423607
UDU 5 T E/F ST SMART	with smart module, for foam soaps	1423614
UDU 5 T E/D ST SMART	with smart module, with spray pump for dispensing sanitizer	1423621
	Stainless steel, powder coated Arctic White	**Art. No.**
UDU 5 T P/S AW	Smart Ready, for liquid soaps and alcogel	1423535
UDU 5 T P/F AW	Smart Ready, for foam soaps	1423542
UDU 5 T P/D AW	Smart Ready, with spray pump for dispensing sanitizer	1423549
UDU 5 T P/S AW SMART	with smart module, for liquid soaps and alcogel	1423605
UDU 5 T P/F AW SMART	with smart module, for foam soaps	1423612
UDU 5 T P/D AW SMART	with smart module, with spray pump for dispensing sanitizer	1423619
	Stainless steel, powder coated Midnight	**Art. No.**
UDU 5 T P/S MN	Smart Ready, for liquid soaps and alcogel	1423538
UDU 5 T P/F MN	Smart Ready, for foam soaps	1423545
UDU 5 T P/D MN	Smart Ready, with spray pump for dispensing sanitizer	1423552
UDU 5 T P/S MN SMART	with smart module, for liquid soaps and alcogel	1423608
UDU 5 T P/F MN SMART	with smart module, for foam soaps	1423615
UDU 5 T P/D MN SMART	with smart module, with spray pump for dispensing sanitizer	1423622
	Stainless steel, powder coated Slate Grey	**Art. No.**
UDU 5 T P/S SG	Smart Ready, for liquid soaps and alcogel	1423539
UDU 5 T P/F SG	Smart Ready, for foam soaps	1423546
UDU 5 T P/D SG	Smart Ready, with spray pump for dispensing sanitizer	1423553
UDU 5 T P/S SG SMART	with smart module, for liquid soaps and alcogel	1423609
UDU 5 T P/F SG SMART	with smart module, for foam soaps	1423616
UDU 5 T P/D SG SMART	with smart module, with spray pump for dispensing sanitizer	1423623

UNIVERSAL DISPENSER - WITH X10 PUMP

Take advantage of our next generation of pumps and bottles



	Stainless steel, powder coated Copper Rose	Art. No.
UDU 5 T P/S CR	Smart Ready, for liquid soaps and alcogel	1423540
UDU 5 T P/F CR	Smart Ready, for foam soaps	1423547
UDU 5 T P/D CR	Smart Ready, with spray pump for dispensing sanitizer	1423554
UDU 5 T P/S CR SMART	with smart module, for liquid soaps and alcogel	1423610
UDU 5 T P/F CR SMART	with smart module, for foam soaps	1423617
UDU 5 T P/D CR SMART	with smart module, with spray pump for dispensing sanitizer	1423624
	Stainless steel, powder coated Oslo Blue	**Art. No.**
UDU 5 T P/S OB	Smart Ready, for liquid soaps and alcogel	1423541
UDU 5 T P/F OB	Smart Ready, for foam soaps	1423548
UDU 5 T P/D OB	Smart Ready, with spray pump for dispensing sanitizer	1423555
UDU 5 T P/S OB SMART	with smart module, for liquid soaps and alcogel	1423611
UDU 5 T P/F OB SMART	with smart module, for foam soaps	1423618
UDU 5 T P/D OB SMART	with smart module, with spray pump for dispensing sanitizer	1423625
	Smart Retrofit Kit	**Art. No.**
Kit SR UDU 5 T	Enable feedback and monitoring features via retrofit	1423655

CLEAN TIP

PCR
Post-Consumer Recycled

Durable bottle-pump combinations

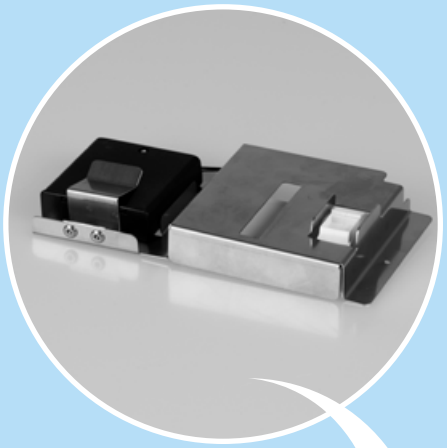
All SanTRAL® Plus dispensing systems are equipped with high quality and durable pumps. The new generation of the SanTRAL® Plus series is particularly flexible: you want to dispense foam soap instead of liquid soap in the future? Or want to upgrade your dispenser system to spray sanitizer? No problem! Thanks to its modular design, you can switch between different products quickly and easily. Simply change the pump/bottle unit and start dispensing.

This pump series leverages our latest X10 pump technology, while being more sustainable than ever. These pumps are drip-free thanks to our patented CleanTip™ technology, and integrate post-consumer recycled plastics into the pump cylindars.

	UDU 5 S container with pump	Art. No.
for UDU 5 Manual and Touchless	for liquid soaps and alcogel (S)	1423959
	UDU 5 F container with pump	**Art. No.**
for UDU 5 Manual and Touchless	for foam soaps (F)	1423960
	UDU 5 D container with pump	**Art. No.**
for UDU 5 Manual and Touchless	with spray pump for disinfectant/sanitizer solutions (D)	1423961

MAKE DISPENSERS SMART
WITH JUST ONE CLICK

Turn your existing dispenser into a smart dispenser with just a few steps. Once upgraded, your dispensers will monitor and upload real-time fill-level and device status updates via WiFi. All dispensers and waste bins in the SanTRAL® Plus family are available in Smart Ready or Smart versions. "Smart Ready" devices are products that can be upgraded later but do not ship with a Smart module built-in.



Smart Retrofit Kit

For each product in the Smart Ready version, a Smart Retrofit Kit can be ordered separately. These kits come with a click-in smart module and a battery tray. The upgrade takes only a few minutes after which data starts transferring immediately.

Easy installation

Learn more here:

Watch the webinar about the Smart Retrofit Kit. (From the 31:44 minute mark)
https://www.youtube.com/watch?v=WKcvi7kfDU4

Dispenser starts sending data right after the device is closed

ACU 1 - INNOVATIVE AUTOCUT MECHANISM

Emergency lever when paper cannot be gripped

Autocut paper towel dispenser for paper rolls

ACU 1

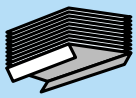
Central window to view filling level, housing with safety catch, lockable, roll automatically feeds new paper when paper is removed, with automatic paper cutting for single sheets, with emergency lever, Smart Ready and can become connected via Smart Retrofit Kit or purchased with built-in smart module, compatible with OWMS software (see page 98).

Paper type: Paper towel rolls without perforation, up to 210 mm
190-210 mm width, with core inner diameter of 35-50 mm

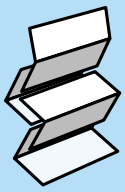
Dimensions: W 292 x H 433 x D 222 mm

	Steel Touch with Anti-Fingerprint-Coating	Art. No.
ACU 1 E ST	Smart Ready	1423579
ACU 1 E ST SMART	with smart module	1423649
	Stainless steel, powder coated Arctic White	**Art. No.**
ACU 1 P AW	Smart Ready	1423577
ACU 1 P AW SMART	with smart module	1423647
	Stainless steel, powder coated Midnight	**Art. No.**
ACU 1 P MN	Smart Ready	1423580
ACU 1 P MN SMART	with smart module	1423650
	Stainless steel, powder coated Slate Grey	**Art. No.**
ACU 1 P SG	Smart Ready	1423581
ACU 1 P SG SMART	with smart module	1423651
	Stainless steel, powder coated Copper Rose	**Art. No.**
ACU 1 P CR	Smart Ready	1423582
ACU 1 P CR SMART	with smart module	1423652
	Stainless steel, powder coated Oslo Blue	**Art. No.**
ACU 1 P OB	Smart Ready	1423583
ACU 1 P OB SMART	with smart module	1423653
	Smart Retrofit Kit	**Art. No.**
Kit SR ACU 1	Enable feedback and monitoring features via retrofit	1423659

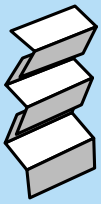
PTU 31 - UNIVERSAL PAPER OUTLET



Layerfold, C-Fold



ZZ-Fold, V-Fold, Zig-Zag



Z-Fold

Interfold

Outlet design enables dispensing of all major paper types

Paper towel dispenser, 250-300 sheets

PTU 15

Central window to view filling level, housing with safety catch, lockable, Universal stainless steel dispenser for all common paper grades (layer fold, V-, Z- and ZZ-fold, multi and interfold), Smart Ready and can become connected via Smart Retrofit Kit or purchased with built-in smart module, compatible with OWMS software (see page 98).

max. paper stack: for 1 pack (approx. 250-300 steets) of folded paper towels (depending on filling material)

Dimensions: W 278 x H 218 x D 135 mm

	Stainless steel, Steel Touch with Anti-Fingerprint-Coating	Art. No.
PTU 15 E ST	Smart Ready	1424097
PTU 15 E ST SMART	with smart module	1423974
	Stainless steel, powder coated Arctic White	**Art. No.**
PTU 15 P AW	Smart Ready	1424098
PTU 15 P AW SMART	with smart module	1423975
	Stainless steel, powder coated Midnight	**Art. No.**
PTU 15 P MN	Smart Ready	1424101
PTU 15 P MN SMART	with smart module	1423977
	Stainless steel, powder coated Slate Grey	**Art. No.**
PTU 15 P SG	Smart Ready	1424103
PTU 15 P SG SMART	with smart module	1423978
	Stainless steel, powder coated Copper Rose	**Art. No.**
PTU 15 P CR	Smart Ready	1424099
PTU 15 P CR SMART	with smart module	1423979
	Stainless steel, powder coated Oslo Blue	**Art. No.**
PTU 15 P OB	Smart Ready	1424102
PTU 15 P OB SMART	with smart module	1423980
	Smart Retrofit Kit	**Art. No.**
Kit SR PTU 15	Enable feedback and monitoring features via retrofit	1424043

Paper towel dispenser, 500-600 steets

PTU 31

Central window to view filling-level, housing with safety catch, lockable, Universal stainless steel outlet for all common paper types (layer fold, V-, Z- and ZZ-fold, multi and interfold), Smart Ready and can become connected via Smart Retrofit Kit or purchased with built-in smart module, compatible with OWMS software (see page 98).

max. paper stack: for 2 packs (approx. 500-600 sheets) of folded paper towels (depending on filling material)

Dimensions: W 278 x H 352 x D134 mm

	Steel Touch with Anti-Fingerprint-Coating	Art. No.
PTU 31 E ST	Smart Ready	1423558
PTU 31 E ST SMART	with smart module	1423628
	Stainless steel, powder coated Arctic White	**Art. No.**
PTU 31 P AW	Smart Ready	1423556
PTU 31 P AW SMART	with smart module	1423626
	Stainless steel, powder coated Midnight	**Art. No.**
PTU 31 P MN	Smart Ready	1423559
PTU 31 P MN SMART	with smart module	1423629
	Stainless steel, powder coated Slate Grey	**Art. No.**
PTU 31 P SG	Smart Ready	1423560
PTU 31 P SG SMART	with smart module	1423630
	Stainless steel, powder coated Copper Rose	**Art. No.**
PTU 31 P CR	Smart Ready	1423561
PTU 31 P CR SMART	with smart module	1423631
	Stainless steel, powder coated Oslo Blue	**Art. No.**
PTU 31 P OB	Smart Ready	1423562
PTU 31 P OB SMART	with smart module	1423632
	Smart Retrofit Kit	**Art. No.**
Kit SR PTU 31	Enable feedback and monitoring features via retrofit	1423656

PTU - QUICK AND EASY SETUP FOR ALL PAPER TYPES

For different paper widths, simply adjust these wings on both sides

Simply move bracket up or down

Toilet paper dispenser for 2 standard rolls

TTU 2

Central window to view filling-level, housing with safety catch, lockable, ergonomic roll paper dispensing, second roll automatically drops in as soon as the first is finished, Smart Ready and can become connected via Smart Retrofit Kit or purchased with built-in smart module, compatible with OWMS software (see page 98).

Roll size: outer diameter max. 120 mm, inner diameter min. 38 mm
Width of the roll max. 108 mm

Dimensions: W 143 x H 337 x D 169 mm

	Steel Touch with Anti-Fingerprint-Coating	Art. No.
TTU 2 E ST	Smart Ready	1423565
TTU 2 E ST SMART	with smart module	1423635
	Stainless steel, powder coated Arctic White	**Art. No.**
TTU 2 P AW	Smart Ready	1423563
TTU 2 P AW SMART	with smart module	1423633
	Stainless steel, powder coated Midnight	**Art. No.**
TTU 2 P MN	Smart Ready	1423566
TTU 2 P MN SMART	with smart module	1423636
	Stainless steel, powder coated Slate Grey	**Art. No.**
TTU 2 P SG	Smart Ready	1423567
TTU 2 P SG SMART	with smart module	1423637
	Stainless steel, powder coated Copper Rose	**Art. No.**
TTU 2 P CR	Smart Ready	1423568
TTU 2 P CR SMART	with smart module	1423638
	Stainless steel, powder coated Oslo Blue	**Art. No.**
TTU 2 P OB	Smart Ready	1423569
TTU 2 P OB SMART	with smart module	1423639
	Smart Retrofit Kit	**Art. No.**
Kit SR TTU 2	Enable feedback and monitoring features via retrofit	1423657

TTU 2 - IMPROVED VISIBILITY AND ACCESSIBILTIY

Ergonomic toilet paper dispensing

Multi toilet paper dispenser for 4 standard rolls

TTU 4

Central window to view filling level, housing with safety catch, lockable, next roll automatically replaces the previous one as soon it's finished, Smart Ready and can become connected via Smart Retrofit Kit or purchased with built-in smart module, compatible with OWMS software (see page 98).

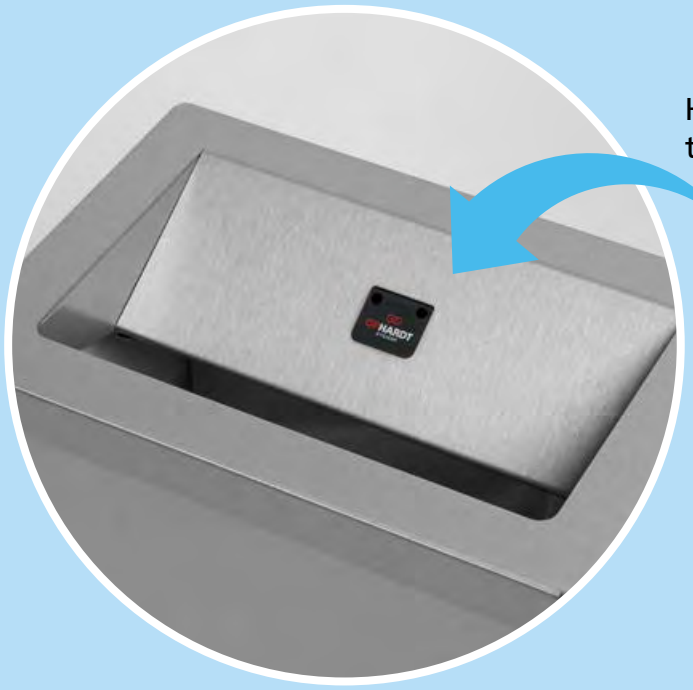
Paper rolls: outer diameter max. 130 mm, inner diameter min. 38 mm
Width of the roll max. 108 mm
Dimensions: W 377 x H 380 x D 131 mm

	Steel Touch with Anti-Fingerprint-Coating	Art. No.
TTU 4 E ST	Smart Ready	1424013
TTU 4 E ST SMART	with smart module	1424020
	Stainless steel, powder coated Arctic White	**Art. No.**
TTU 4 P AW	Smart Ready	1424014
TTU 4 P AW SMART	with smart module	1424021
	Stainless steel, powder coated Midnight	**Art. No.**
TTU 4 P MN	Smart Ready	1424017
TTU 4 P MN SMART	with smart module	1424024
	Stainless steel, powder coated Slate Grey	**Art. No.**
TTU 4 P SG	Smart Ready	1424019
TTU 4 P SG SMART	with smart module	1424026
	Stainless steel, powder coated Copper Rose	**Art. No.**
TTU 4 P CR	Smart Ready	1424015
TTU 4 P CR SMART	with smart module	1424022
	Stainless steel, powder coated Oslo Blue	**Art. No.**
TTU 4 P OB	Smart Ready	1424018
TTU 4 P OB SMART	with smart module	1424025
	Smart Retrofit Kit	**Art. No.**
Kit SR TTU 4	Enable feedback and monitoring features via retrofit	1424044

TTU 4 - AUTOMATIC ROLL REPOSITIONING

Rotation system provides reliable supply of toilet paper

OBU 50 - CONCEALING WASTE



Waste bin, open 50 liters

OBU 50

With internal bracket for securing garbage bag, open receptacle with removable slot, free-standing and for wall mounting, Smart Ready and can become connected via Smart Retrofit Kit or purchased with built-in smart module, compatible with OWMS software (see page 98).

Dimensions: W 377 x H 559 x D 251 mm

	Steel Touch with Anti-Fingerprint-Coating	Art. No.
OBU 50 E ST	Smart Ready	1423572
OBU 50 E ST SMART	with smart module	1423642
	Stainless steel, powder coated Arctic White	**Art. No.**
OBU 50 P AW	Smart Ready	1423570
OBU 50 P AW SMART	with smart module	1423640
	Stainless steel, powder coated Midnight	**Art. No.**
OBU 50 P MN	Smart Ready	1423573
OBU 50 P MN SMART	with smart module	1423643
	Stainless steel, powder coated Slate Grey	**Art. No.**
OBU 50 P SG	Smart Ready	1423574
OBU 50 P SG SMART	with smart module	1423644
	Stainless steel, powder coated Copper Rose	**Art. No.**
OBU 50 P CR	Smart Ready	1423575
OBU 50 P CR SMART	with smart module	1423645
	Stainless steel, powder coated Oslo Blue	**Art. No.**
OBU 50 P OB	Smart Ready	1423576
OBU 50 P OB SMART	with smart module	1423646
	Smart Retrofit Kit	**Art. No.**
Kit SR OBU 50	Enable feedback and monitoring features via retrofit	1423658

Most Clear
17°
5:26pm

CUSTOMIZATION - SHOWCASE YOUR BRAND

SanTRAL®
Customization

The power of colours
Create a unique atmosphere that will leave users with a positive experience, thanks to the endless variety of colours offered by the SanTRAL® series.

We powder coat all 213 RAL Classic colours and more.

Refinement through logo engraving
Use laser engraving and refine your selection from the SanTRAL® complete series by engraving your company logo or pictogram on the housing:

Branding: Your Logo in focus
Highlight your brand by printing your company logo on the inside of the viewing window (only available for SanTRAL® Classic products with viewing window), or on the smart module window of the SanTRAL® Plus series.

Customization options help strengthen your brand!

SanTRAL® Classic

The benchmark for public washrooms

Since 1991, the SanTRAL® stainless steel range has been the benchmark for public washroom dispensing. Through tireless evolution, in co-operation with our users and partners, SanTRAL® Classic has more than adapted to the ever-changing requirements of the modern washroom. Over the years, SanTRAL® Classic has continually set the standard for sustainability, quality and cost effectiveness.

Overview of advantages

- Lockable and easily serviced
- Sloped lid to prevent items from being placed on the dispenser
- Optimize costs by being able to freely choose filling product with our open, refillable system. Modular pumps you can swap out at any time—choose liquid soap, foaming soap, or disinfectant.
- Fill level always visible, thanks to large viewing window
- Highly vandalism-resistant

Standard colour finishes*

- Steel Touch with Anti-Fingerprint-Coating
- Ivory White (RAL 9010)
- Midnight (RAL 9005)

RAL COLOURS

*Other RAL Classic colours on request.

Proven, made in Germany quality:

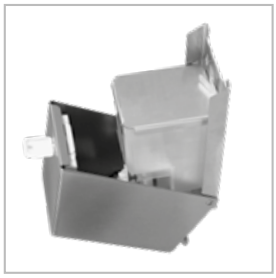
OPHARDT Hygiene's products are known their durability, high-grade workmanship, and excellent performance-to-price ratio. The entire manufacturing process of the SanTRAL® Classic complete series, which includes an obsessive quality control inspection, takes place in Germany.

Warranty

Our products are built to last. Our focus is on sustainability, quality, and cost-effectiveness. For these reasons, we offer a five-year manufacturer's warranty for SanTRAL® Classic product families from the date of delivery.

Fingerprint-resistant

All SanTRAL® Classic stainless steel products come standard with a permanent anti-fingerprint coating (AFP). This simplifies cleaning and maintenance, saving both time and money. This coating can be easily cleaned with any non-toxic cleaner.



Universal dispenser, 250 ml

NSU 2-2

With fill level window, housing with safety catch, lockable, stainless steel operating lever, bulk fill/refillable, optional drip tray (see page 139).

Pump: Pump with exchangeable container, see page 126

Container: PP-refillable cartridge, removable, fire retardant version available
Please note: The new filling container from NSU 2-2 is not compatible with the old version of NSU 2!
Spare parts of the old version are available on request.

Dimensions: W 97 x H 225 x D 146 mm

	Steel Touch with Anti-Fingerprint-Coating	Art. No.
NSU 2-2 E/S ST	For soap and disinfectant	1423245
NSU 2-2 E/F ST	For foam soap	1423238
NSU 2-2 E/D ST	With spray pump	1423246
	Stainless steel, powder coated Ivory White	**Art. No.**
NSU 2-2 P/S IW	For soap and disinfectant	1423250
NSU 2-2 P/F IW	For foam soap	1423249
NSU 2-2 P/D IW	With spray pump	1423251
	Stainless steel, powder coated Midnight	**Art. No.**
NSU 2-2 P/S MN	For soap and disinfectant	1423253
NSU 2-2 P/F MN	For foam soap	1423252
NSU 2-2 P/D MN	With spray pump	1423254

fill from above

Universal dispenser, 600 ml

NSU 5

With fill level window, housing with safety catch, lockable, stainless steel operating lever, bulk fill/refillable, optional drip tray (see page 139).

Pump: Pump with exchangeable container, see page 126

Container: PP-refillable cartridge, removable, fire retardant version available

Dimensions: W 97 x H 286 x D 146 mm

	Steel Touch with Anti-Fingerprint-Coating	Art. No.
NSU 5 E/S ST	For soap and disinfectant	1415813
NSU 5 E/F ST	For foam soap	1415811
NSU 5 E/D ST	With spray pump	1415815
	Stainless steel, powder coated Ivory White	**Art. No.**
NSU 5 P/S IW	For soap and disinfectant	1415814
NSU 5 P/F IW	For foam soap	1415812
NSU 5 P/D IW	With spray pump	1415816
	Stainless steel, powder coated Midnight	**Art. No.**
NSU 5 P/S MN	For soap and disinfectant	1421188
NSU 5 P/F MN	For foam soap	1422855
NSU 5 P/D MN	With spray pump	1422856

Compact soap dispenser, 700 ml

NSU 7

With fill level window, stainless steel operating lever, bulk fill/refillable, well-suited for small spaces, e.g. between the sink and mirror, optional drip tray (see page 139).

Pump: Plastic, approx. 1.0 ml/stroke, not-exchangeable
Container: PP-refillable cartridge, removable
Dimensions: W 142 x H 134 x D 188 mm

	Steel Touch with Anti-Fingerprint-Coating	Art. No.
NSU 7 E ST	For soap	1417160
	Stainless steel, powder coated Ivory White	**Art. No.**
NSU 7 P IW	For soap	1417161
	Stainless steel, powder coated Midnight	**Art. No.**
NSU 7 P MN	For soap	1421993

NSU 7 - fill from above

NSU 7 - hidden trick lock

Universal dispenser, 1200 ml

NSU 11

With fill level window, housing with safety catch, lockable, stainless steel operating lever, bulk fill/refillable, optional drip tray (see page 139).

Pump: Pump with exchangeable container, see page 90 for overview
Container: PP-refillable cartridge, removable; fire retardant version available
Dimensions: W 97 x H 327 x D 148 mm

	Steel Touch with Anti-Fingerprint-Coating	Art. No.
NSU 11 E/S ST	For soap and disinfectant	1415817
NSU 11 E/F ST	For foam soap	1415312
NSU 11 E/D ST	With spray pump	1415819
	Stainless steel, powder coated Ivory White	**Art. No.**
NSU 11 P/S IW	For soap and disinfectant	1415818
NSU 11 P/F IW	For foam soap	1415413
NSU 11 P/D IW	With spray pump	1415820
	Stainless steel, powder coated Midnight	**Art. No.**
NSU 11 P/S MN	For soap and disinfectant	1421986
NSU 11 P/F MN	For foam soap	1422642
NSU 11 P/D MN	With spray pump	1422857

Touchless universal dispenser, 1200 ml

NSU 11 Touchless

With fill level window, cover with safety catch, lockable, bulk fill/refillable, battery-operated, power supply with 4 D-batteries, optional drip tray (see page 139).

Pump: Pump with exchangeable container
Container: PP-refillable cartridge, removable
Dimensions: W 97 x H 332 x D 167 mm

	Steel Touch with Anti-Fingerprint-Coating	Art. No.
NSU 11 Touchless E/S ST	For soap and disinfectant	1419395
NSU 11 Touchless E/F ST	For foam soap	1419397
NSU 11 Touchless E/D ST	With spray pump	1419396
	Stainless steel, powder coated Ivory White	**Art. No.**
NSU 11 Touchless P/S IW	For soap and disinfectant	1419392
NSU 11 Touchless P/F IW	For foam soap	1419394
NSU 11 Touchless P/D IW	With spray pump	1419393
	Stainless steel, powder coated Midnight	**Art. No.**
NSU 11 Touchless P/S MN	For soap and disinfectant	1422858
NSU 11 Touchless P/F MN	For foam soap	1422860
NSU 11 Touchless P/D MN	With spray pump	1422861

Durable, interchangeable, refillable containers with pumps

All SanTRAL® Classic dispensers are equipped with heavy-duty and durable pumps. As the the new X10 dosing platform for SanTRAL® Plus does, the SanTRAL® Classic series gives you flexibility. Want to use foam soap instead of liquid soap, or convert your dispensing system to spray sanitizer? Thanks to the modular equipment, switching between different filling materials is quick and easy. Simply change the pump/container unit and immediately start dispensing.

	Bulk fill container with pump, dosage approx. 1.5 ml/stroke	Art. No.
For NSU 2	For liquid soaps and disinfectant solution (S)	1423255
For NSU 5	For liquid soaps and disinfectant solution (S)	1416476
For NSU 11	For liquid soaps and disinfectant solution (S)	1416477
For NSU 11 Touchless	For liquid soaps and disinfectant solution (S)	1419596
	Bulk fill container with spray pump, dosage approx. 0.7 ml/stroke	**Art. No.**
For NSU 2	For foam soap (F)	1423256
For NSU 5	For foam soap (F)	1416478
For NSU 11	For foam soap (F)	1415327
For NSU 11 Touchless	For foam soap (F)	1419598
	Bulk fill container with spray pump, dosage approx. 0.7 ml/stroke	**Art. No.**
For NSU 2	For disinfectant solution (D)	1423257
For NSU 5	For disinfectant solution (D)	1417076
For NSU 11	For disinfectant solution (D)	1417075
For NSU 11 Touchless	For disinfectant solution (D)	1419597

Built-in cabinet dispenser, 600 ml

NSU 5 S

Built-in cabinet dispenser, without housing, stainless steel operating lever, bulk fill/refillable.

Pump: Pump with exchangeable container, see page 126

Container: PP-refillable cartridge, removable fire retardant version available

Dimensions: W 94 x H 294 x D 141 mm

	Stainless steel	Art. No.
NSU 5 S	For soap and disinfectant	1417500
NSU 5 F	For foam soaps	1417499
NSU 5 D	With spray pump	1417498

Built-in cabinet dispenser, 1200 ml

NSU 11 S

Built-in cabinet dispenser, without housing, stainless steel operating lever, bulk fill/refillable.

Pump: Pump with exchangeable container, see page 126

Container: PP-refillable cartridge, removable fire retardant version available

Dimensions: W 94 x H 335 x D 140 mm

einfache Befüllung von oben

	Stainless steel	Art. No.
NSU 11 S	For soap and disinfectant	1417497
NSU 11 F	For foam soaps	1417496
NSU 11 D	With spray pump	1417495

Dispenser for toilet seat disinfection

TSU

With fill level window, stainless steel operating lever, labelled with operating instructions.

Pump: Plastic, approx. 0.7 ml/stroke, Pump with exchangeable container, see page 126

Container: PP-refillable cartridge, removable
Please note: The new container for the TSU 2-2 is not compatible with the old version of TSU 2.
Spare parts for the old version are available on request.

Dimensions: TSU 2-2: W 97 x H 225 x D 146 mm
TSU 5: W 97 x H 286 x D 146 mm

	250 ml	Art. No.
TSU 2-2 E/D ST	Steel Touch with Anti-Fingerprint-Coating	1423258
TSU 2-2 P/D IW	Stainless steel, powder coated Ivory White	1423259
TSU 2-2 P/D MN	Stainless steel, powder coated Midnight	1423260
	600 ml	**Art. No.**
TSU 5 E/D ST	Steel Touch with Anti-Fingerprint-Coating	1416968
TSU 5 P/D IW	Stainless steel, powder coated Ivory White	1416969
TSU 5 P/D MN	Stainless steel, powder coated Midnight	1422863

Stainless steel stand with disinfectant dispenser and drip tray, 1200 ml

Disinfectant stand set

The World Health Organization now recommends placing sanitizer dispensers in all public areas to reduce the spread of infection. This complete set includes a pedestal with a stable base plate, a SanTRAL® Classic disinfectant dispenser, and drip tray. This combination is ideally suited for high-traffic entrances.

Stand:	Stainless steel, brushed
Dispenser NSU 11 P/D:	Stainless steel, powder coated Ivory White
Drip tray:	Stainless steel, brushed
Dimensions:	Without wheels: W 390 x H 1419 x D 420 mm
	With wheels: W 500 x H 1474 x D 553 mm

	Stainless steel	Art. No.
Disinfectant stand set	with manual dispenser and drip tray, without wheels	1423339
Disinfectant stand with wheels set	with manual dispenser and drip tray, with wheels	1423340

Disinfectant dispenser, touchless, 1000 ml

PRAESIDIO

Non-contact hand disinfection device for alcohol-based hand disinfectants, brushed stainless steel, door powder coated white (RAL 9016), lockable, stainless steel spray pump for liquid sanitizers, with pump for gel-type disinfectants included, spray chamber with integrated collecting tray, inspection window for fill level control, fire protection by temperature sensor that monitors pump blockages, long battery life, incl. empty HDPE bottle and 5 Alkaline D batteries, also ideal for wall mounting.

Stainless steel stand and CV Stand (please order separately)

Dosing pump: Autoclavable stainless steel pump with spray cone, Dosing quantity adjustable (approx. 0.7/ 1.0/ 1.2/ 1.5 ml/stroke)

Container: For 1000 ml standard Euro bottle, also freely fillable

Maße Spender: W 506 x H 337 x D 174 mm

NEW
with pump for gel sanitizers included

	Description	Art. No.
PRAESIDIO	with “HAND DISINFECTION“ print	3401302
PRAESIDIO	without “HAND DISINFECTION“ print	3401073
PRAESIDIO BT-G3	with Bluetooth-Door opening circuit	3401432
Stand PRAESIDIO S	Standard, for 120 cm operating height	1423511
Stand PRAESIDIO B	Barrier-free, for 90 cm operating height	1423512
CV Stand PRAESIDIO S	Standard, for 120 cm operating height	3401457
CV Stand PRAESIDIO B	Barrier-free, for 90 cm operating height	3401617
	Optional accessories	**Art. No.**
PRAESIDIO Power supply	Input AC 100-240 V - 0.35 A	4401040

Paper towel dispenser, 250 sheets

HSU 15

With fill level window.

Max. dimensions

Stack of paper:	Layerfold, Z- and ZZ-folding: W 250 x H 140 x D 120 mm
	Interfold: W 235 x H 110 x D 115 mm
Outlet type:	Plastic for standard
	Plastic for Interfold
	Stainless steel universal for standard and Interfold
Dimensions:	W 278 x H 200 x D 132 mm

	Steel Touch with Anti-Fingerprint-Coating	Art. No.
HSU 15 E ST	Plastic outlet for layerfold, Z- and ZZ-fold	1412267
HSU 15 E ST	Plastic outlet for interfold and Z-fold	1416827
HSU 15 E ST	Stainless steel outlet for layerfold, Z-, ZZ-fold and interfold	1417717
	Stainless steel, powder coated Ivory White	**Art. No.**
HSU 15 P IW	Plastic outlet for layerfold, Z- and ZZ-fold	1412129
HSU 15 P IW	Plastic outlet for interfold and Z-fold	1416828
HSU 15 P IW	Stainless steel outlet for layerfold, Z-, ZZ-fold and interfold	1417718
	Stainless steel, powder coated Midnight	**Art. No.**
HSU 15 P MN	Plastic outlet for layerfold, Z- and ZZ-fold	1421189
HSU 15 P MN	Plastic outlet for interfold and Z-fold	1422867
HSU 15 P MN	Stainless steel outlet for layerfold, Z-, ZZ-fold and interfold	1422868

Paper towel dispenser, 500-600 sheets

HSU 31

With fill level window.

Max. dimensions

Stack of paper:	Layerfold, Z- and ZZ-folding: W 250 x H 280 x D 120 mm
	Interfold: W 235 x H 250 x D 115 mm
Outlet type:	Plastic for standard
	Plastic for Interfold
	Stainless steel universal for standard and Interfold
Dimensions:	W 278 x H 350 x D 132 mm

	Steel Touch with Anti-Fingerprint-Coating	Art. No.
HSU 31 E ST	Plastic outlet for layerfold, Z- and ZZ-fold	386900
HSU 31 E ST	Plastic outlet for interfold and Z-fold	1416824
HSU 31 E ST	Stainless steel outlet for layerfold, Z-, ZZ-fold and interfold	1417719
	Stainless steel, powder coated Ivory White	**Art. No.**
HSU 31 P IW	Plastic outlet for layerfold, Z- and ZZ-fold	196400
HSU 31 P IW	Plastic outlet for interfold and Z-fold	1416826
HSU 31 P IW	Stainless steel outlet for layerfold, Z-, ZZ-fold and interfold	1417720
	Stainless steel, powder coated Midnight	**Art. No.**
HSU 31 P MN	Plastic outlet for layerfold, Z- and ZZ-fold	1422256
HSU 31 P MN	Plastic outlet for interfold and Z-fold	1422869
HSU 31 P MN	Stainless steel outlet for layerfold, Z-, ZZ-fold and interfold	1422870

Automatic paper towel dispenser, for paper rolls

HAU 1

Housing made of stainless steel, lockable, with fill level window. The residual roll function automatically loads the next roll and helps to eliminate unnecessary waste.

Paper feed: Pressure-driven, automatic paper feed:
A new paper hand towel is dispensed as soon as the previous one is removed.

Paper type: Paper roll:
max. roll diameter 190 mm, max. roll width 200 mm
min. inside diameter for outlet type 38 mm

Power supply: with 4 D-batteries

Dimensions: W 279 x H 407 x D 211 mm

		Art. No.
HAU 1 E ST	Steel Touch with Anti-Fingerprint-Coating	1418109
HAU 1 P IW	Stainless steel, powder coated Ivory White	1418110
HAU 1 P MN	Stainless steel, powder coated Midnight	1421997

Touchless paper towel dispenser, for paper rolls

HTU 1

Housing made of stainless steel, lockable, with fill level window. The residual roll function automatically loads the next roll and helps to eliminate unnecessary waste.

Paper feed: Touchless paper feed: Paper stays within the dispenser until a hand is detected underneath the outlet - delay and paper length adjustable.

Paper type: Paper roll:
max. roll width 200 mm, max. roll diameter 190 mm,
min. inside diameter for outlet type 38 mm

Power supply: with 4 D-batteries

Dimensions: W 279 x H 407 x D 211 mm

		Art. No.
HTU 1 E ST	Steel Touch with Anti-Fingerprint-Coating	3400351
HTU 1 P IW	Stainless steel, powder coated Ivory White	3400359
HTU 1 P MN	Stainless steel, powder coated Midnight	1420972

Center pull paper towel dispenser, wall mount device

CEU 1

Wall mount device, with fill level window, lockable.

Paper type: Paper roll with center pull,
max. roll diameter 200 mm, max. height 275 mm

Dimensions: W 279 x H 373 x D 211 mm

	Wall mount device	Art. No.
CEU 1 E ST	Steel Touch with Anti-Fingerprint-Coating	745600
CEU 1 P IW	Stainless steel, powder coated Ivory White	745700
CEU 1 P MN	Stainless steel, powder coated Midnight	1422529

CPU 2 L

Combined soap and paper towel dispenser

CPU 2

Dispenser combination for single sheet folding paper towels and sanitizer/liquid soap and foam soap, lockable, soap dispenser placement on left or right, stainless steel lever, bulk fill/refillable, plastic paper dispensing for zigzag and layer folds.

CPU 2 L soap dispenser on left and paper towel dispenser on right

CPU 2 R soap dispenser on right and paper towel dispenser on left

Pump:	Pump with exchangeable container, see page 126
Dosage:	S Dosage approx. 1.5 ml/stroke
	F Dosage approx. 0.7 ml/stroke
	D Dosage approx. 0.7 ml/stroke
Container:	PP-refillable cartridge, removable, fire retardant version available
Filling quantity:	1200 ml/ 750 sheets
Dimensions:	W 377 x H 377 x D 165 mm

CPU 2 R

	Steel Touch with Anti-Fingerprint-Coating	Art. No.
CPU 2L E/S ST	For liquid soap and disinfectant (S)	1419953
CPU 2L E/F ST	For foam soap (F)	1419954
CPU 2L E/D ST	For disinfectant (D)	1419955
CPU 2R E/S ST	For liquid soap and disinfectant (S)	1419947
CPU 2R E/F ST	For foam soap (F)	1419948
CPU 2R E/D ST	For disinfectant (D)	1419949
	Stainless steel, powder coated Ivory White	**Art. No.**
CPU 2L P/S IW	For liquid soap and disinfectant (S)	1419956
CPU 2L P/F IW	For foam soap (F)	1419957
CPU 2L P/D IW	For disinfectant (D)	1419958
CPU 2R P/S IW	For liquid soap and disinfectant (S)	1419950
CPU 2R P/F IW	For foam soap (F)	1419951
CPU 2R P/D IW	For disinfectant (D)	1419952
	Stainless steel, powder coated Midnight	**Art. No.**
CPU 2L P/S MN	For liquid soap and disinfectant (S)	1423143
CPU 2L P/F MN	For foam soap (F)	1423144
CPU 2L P/D MN	For disinfectant (D)	1423145
CPU 2R P/S MN	For liquid soap and disinfectant (S)	1423146
CPU 2R P/F MN	For foam soap (F)	1423147
CPU 2R P/D MN	For disinfectant (D)	1423148

SIGNAGE
FOR THE PUBLIC SECTOR

Unique and easy to understand pictograms, featuring 12 popular motif designs. We offer first-class workmanship thanks to our specially developed, in-house production and emission-free powder coating process.

Signage

High quality plate in 1 mm stainless steel AISI 304, powder coated in AFP, Arctic White, or Midnight. Self-adhesive with double-sided adhesive tape from 3M.

Dimensions: W 120 x H 120 mm

Steel Touch, with Anti-Fingerprint-Coating, black print	Art. No.
Sign E ST Gender-neutral washroom	1423186
Sign E ST Men's / women's washrooms, right	1423188
Sign E ST Men's / women's washrooms, left	1423187
Sign E ST Barrier-free washroom	1423194
Sign E ST No cell phones	1423197
Sign E ST No smoking	1423196
Sign E ST Shower facilities	1423195
Sign E ST Baby changing room	1423193
Sign E ST Women's washroom	1423190
Sign E ST Men's washroom	1423189
Sign E ST Women's change room	1423191
Sign E ST Men's change room	1423192
Stainless steel, powder coated Arctic White, black print	**Art. No.**
Sign P AW Gender-neutral washroom	1423198
Sign P AW Men's / women's washrooms, right	1423200
Sign P AW Men's / women's washrooms, left	1423199
Sign P AW Barrier-free washroom	1423206
Sign P AW No cell phones	1423209
Sign P AW No smoking	1423208
Sign P AW Shower facilities	1423207
Sign P AW Baby changing room	1423205
Sign P AW Women's washroom	1423202
Sign P AW Men's washroom	1423201
Sign P AW Women's change room	1423203
Sign P AW Men's change room	1423204
Stainless steel, powder coated Midnight, white print	**Art. No.**
Sign P MN Gender-neutral washroom	1423210
Sign P MN Men's / women's washrooms, right	1423212
Sign P MN Men's / women's washrooms, left	1423211
Sign P MN Barrier-free washroom	1423218
Sign P MN No cell phones	1423221
Sign P MN No smoking	1423220
Sign P MN Shower facilities	1423219
Sign P MN Baby changing room	1423217
Sign P MN Women's washroom	1423214
Sign P MN Men's washroom	1423213
Sign P MN Women's change room	1423215
Sign P MN Men's change room	1423216

Signage available in all 3 colour variations.

Waste bin
ABU

With hidden waste bag holder inside, free-standing and wall mounting possible, with self-closing, maintenance-free lid, 18 or 50 litre filling volume.

Dimensions: ABU 18: W 275 x H 509 x D 179 mm
ABU 50: W 376 x H 681 x D 251 mm

	Volume 18 litre	Art. No.
ABU 18 E ST	Steel Touch with Anti-Fingerprint-Coating	1417450
ABU 18 P IW	Stainless steel, powder coated Ivory White	1417451
ABU 18 P MN	Stainless steel, powder coated Midnight	1422886
PB 2	Plastic bags grey, 4 x 50 pcs.	506100
	Volume 50 litre	**Art. No.**
ABU 50 E ST	Steel Touch with Anti-Fingerprint-Coating	3400245
ABU 50 P IW	Stainless steel, powder coated Ivory White	3400246
ABU 50 P MN	Stainless steel, powder coated Midnight	1422237
PB 4	Plastic bags white, 4 x 50 pcs.	128100

Waste bin, open
EBU

Free-standing and wall mounting possible, with hidden waste bag holder inside, with removable frame, 18 or 50 litre filling volume.

Dimensions: EBU 18: W 275 x H 386 x D 179 mm
EBU 50: W 374 x H 566 x D 251 mm

	Volume 18 litre	Art. No.
EBU 18 E ST	Steel Touch with Anti-Fingerprint-Coating	1423042
EBU 18 P IW	Stainless steel, powder coated Ivory White	1423053
EBU 18 P MN	Stainless steel, powder coated Midnight	1423059
PB 3	Plastic bags white, 4 x 50 pcs.	186400
	Volume 50 litre	**Art. No.**
EBU 50 E ST	Steel Touch with Anti-Fingerprint-Coating	1413896
EBU 50 P IW	Stainless steel, powder coated Ivory White	1413895
EBU 50 P MN	Stainless steel, powder coated Midnight	1422274
PB 4	Plastic bags white, 4 x 50 pcs.	128100

Hygienic waste bin with integrated hygienic bag dispenser

HBU 6

Hinged lid, internal waste bag holder, integrated hygiene bag dispenser for disposal of feminine hygiene products, 6 litre volume, stainless steel with anti-fingerprint-coating, 2-point wall mounting, ground clearance min. 20 cm.

Dimensions: W 276 x H 329 x D 125 mm

	Type	Art. No.
HBU 6 E ST	Steel Touch with Anti-Fingerprint-Coating	1421703
HBU 6 P IW	Stainless steel, powder coated Ivory White	1421704
HBU 6 P MN	Stainless steel, powder coated Midnight	1422884
	Optional accessories	**Art. No.**
PB 1	Plastic bags grey, 4 x 50 pcs.	461500
HYGB K	Hygienic bags, plastic, 4 x 25 pcs.	1245800

with integrated hygienic bag dispenser for plastic bags

Hygienic waste bin

HBU

For disposal of feminine hygiene products, free-standing and wall mounting possible, with hidden waste bag holder inside, 10 or 18 litre filling volume.

Dimensions: HBU 10: W 277 x H 421 x D 125 mm
HBU 18: W 275 x H 501 x D 179 mm

HB 2 E

	Volume 10 litre	Art. No.
HBU 10 E ST	Steel Touch with Anti-Fingerprint-Coating	1413344
HBU 10 P IW	Stainless steel, powder coated Ivory White	1413345
HBU 10 P MN	Stainless steel, powder coated Midnight	1422885
PB 1	Plastic bags grey, 4 x 50 pcs.	461500
	Volume 18 litre	**Art. No.**
HBU 18 E ST	Steel Touch with Anti-Fingerprint-Coating	909700
HBU 18 P IW	Stainless steel, powder coated Ivory White	852600
HBU 18 P MN	Stainless steel, powder coated Midnight	1422888
PB 2	Plastic bags grey, 4 x 50 pcs.	506100
	Hygiene bag dispenser for plastic bags	**Art. No.**
HB 2 E ST	Steel Touch with Anti-Fingerprint-Coating	1245700
HB 2 P IW	Stainless steel, powder coated Ivory White	1245600
HB 2 P MN	Stainless steel, powder coated Midnight	1422880
HYGB K	Hygienic bags, plastic, 4 x 25 pcs.	1245800

Toilet paper dispenser for 1 standard toilet paper roll

TRU 1

Max. roll diameter 130 mm.

Dimensions: W 130 x H 155 x D 112 mm

		Art. No.
TRU 1 E ST	Steel Touch with Anti-Fingerprint-Coating	1411586
TRU 1 P IW	Stainless steel, powder coated Ivory White	1411587
TRU 1 P MN	Stainless steel, powder coated Midnight	1422252

NEW! Ergonomic Design!

Toilet paper dispenser for 2 standard rolls

TRU 2-2

With fill level window, lockable, stainless steel, ergonomic roll dispensing, automatic reloading of second roll when first roll is emptied, max. roll diameter 120 mm.

Dimensions: W 144 x H 317 x D 166 mm

		Art. No.
TRU 2-2 E ST	Steel Touch with Anti-Fingerprint-Coating	1423396
TRU 2-2 P IW	Stainless steel, powder coated Ivory White	1423398
TRU 2-2 P MN	Stainless steel, powder coated Midnight	1423399

automatic roll reloading

Toilet paper dispenser for 4 standard rolls

MRU

Multi-roll toilet paper dispenser, with fill level window, lockable, stainless steel, automatic rotation of the roll holster after a roll has been emptied, max. roll diameter 120 mm.

Dimensions: W 377 x H 350 x D 131 mm

		Art. No.
MRU E ST	Steel Touch with Anti-Fingerprint-Coating	319800
MRU P IW	Stainless steel, powder coated Ivory White	153800
MRU P MN	Stainless steel, powder coated Midnight	1422876

Toilet paper dispenser for 2 compact toilet paper rolls

SRU 2

With fill level window, lockable, housing with safety catch, stainless steel, automatic reloading of second roll when first roll is emptied, max. roll diameter 140 mm.

Dimensions: W 143 x H 270 x D 167 mm

		Art. No.
SRU 2 E ST	Steel Touch with Anti-Fingerprint-Coating	3400941
SRU 2 P IW	Stainless steel, powder coated Ivory White	3400931
SRU 2 P MN	Stainless steel, powder coated Midnight	1422878

Toilet paper dispenser for 650 sheets

BUU

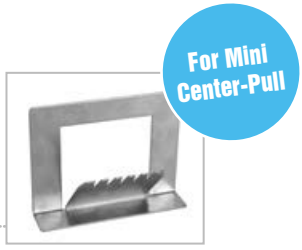
For single-sheet outlet, with fill level window, Stainless steel paper feeder, lockable, tabs to regulate pressure on the paper, optional insert plate for mini centre-pull rollers.

Max. dimensions
stack of paper: max. W 130 x H 230 x D 98 mm

Paper roll dimensions when using mini centre-pull insert:
up to approx. 115 mm, 210 mm height

Dimensions: W 143 x H 300 x D 117 mm

		Art. No.
BUU 1 E ST	Steel Touch with Anti-Fingerprint-Coating	1161800
BUU 1 P IW	Stainless steel, powder coated Ivory White	1161700
BUU 1 P MN	Stainless steel, powder coated Midnight	1422875
	Accessories	**Art. No.**
BUU 1 Insert	Convert paper towel dispenser for mini centre-pull rolls (Mini Center-Pull)	1423838



Quick and easy conversion

Toilet paper dispenser for 1 jumbo roll

RHU 31

For jumbo toilet paper rolls, with fill level window, lockable, 1 jumbo toilet paper roll up to approx. ø 330 mm, stainless steel outlet.

Dimensions: W 377 x H 350 x D 131 mm

		Art. No.
RHU 31 E ST	Steel Touch with Anti-Fingerprint-Coating	334200
RHU 31 P IW	Stainless steel, powder coated Ivory White	316600
RHU 31 P MN	Stainless steel, powder coated Midnight	1422877

Replacement holder for standard toilet paper rolls

ERU

For 1 or 4 standard toilet paper rolls, max. ø 120 mm.

Dimensions: ERU: W 130 x H 130 x D 122 mm
ERU 4: W 133 x H 400 x D 133 mm

	For 1 standard roll	Art. No.
ERU E ST	Steel Touch with Anti-Fingerprint-Coating	1411588
ERU P IW	Stainless steel, powder coated Ivory White	1411589
ERU P MN	Stainless steel, powder coated Midnight	1421989
	For 4 standard rolls	**Art. No.**
ERU 4 E ST	Steel Touch with Anti-Fingerprint-Coating	1421868
ERU 4 P IW	Stainless steel, powder coated Ivory White	1421869
ERU 4 P MN	Stainless steel, powder coated Midnight	1422882

Toilet brush holder

WBU 3

Housing made of brushed stainless steel 1.4404 (AISI316L), resistant to chlorinated cleaners, removable drip tray made of plastic, incl. brush, stainless steel handle and drip tray, free-standing and wall mounting possible.

Dimensions: W 86 x H 382 x D 120 mm

	Toilet brush holder incl. accessories	Art. No.
WBU 3 E ST	Steel Touch with Anti-Fingerprint-Coating	1414689
WBU 3 P IW	Stainless steel, powder coated Ivory White	1414690
WBU 3 P MN	Stainless steel, powder coated Midnight	1422001
	Accessories	**Art. No.**
WBU 3	Toilet brush, black with stainless steel handle	1415574
WBU 3	Brush head, black with thread	1413533
WBU 3	Drip tray	1413534

Toilet brush holder

WBU 2

Housing made of brushed stainless steel 1.4404 (AISI316L), resistant to chlorinated cleaners, removable drip tray made of plastic, incl. brush, stainless steel handle, free-standing and wall mounting possible.

Dimensions: W 106 x H 377 x D 109 mm

	Toilet brush holder incl. accessories	Art. No.
WBU 2 E ST	Steel Touch with Anti-Fingerprint-Coating	1336600
WBU 2 P IW	Stainless steel, powder coated Ivory White	1339900
WBU 2 P MN	Stainless steel, powder coated Midnight	1421999
	Accessories	**Art. No.**
WBU 2	Toilet brush, black	1418714
WBU 2	Drip tray	1402700

Built-in countertop soap dispenser, 1000 ml

WTT

Pump for liquid soap, refillable from the top or the bottom (under counter), for tabletops and bathroom counters with thickness of up to 40 mm, long (WTT 17) or short (WTT 12) tube, including one empty 1000 ml HDPE container.

Pump: Plastic, approx. 1.5 ml/ stroke

Dimensions: WTT 12: W 32 x H 65 x D 122 mm
WTT 17: W 32 x H 75 x D 172 mm

		Art. No.
WTT 12	Short outlet tube	297700
WTT 17	Long outlet tube	317100

Built-in countertop foam soap dispenser, 1000 ml

CMD

Pump made of stainless steel, refillable from the top or the bottom (under counter), for tabletops and bathroom counters with thickness of up to 50 mm, long (CMD 6) or short (CMD 4) tube, incl. one empty 1000 ml HDPE container.

Pump: Plastic, approx. 1 ml/ stroke

Dimensions: CMD 4: W 60 x H 105 x D 135 mm
CMD 6: W 60 x H 105 x D 185 mm

		Art. No.
CMD 4	Short outlet tube	4400987
CMD 6	Long outlet tube	4400988

Drips trays for universal dispenser

Drip tray

Catches disinfectant dripping from the hands, stainless steel, short version for wall mounting independent of the dispenser, long version for mounting with the dispenser by using the matching fixing holes and a given spacing to the bottom edge of the dispenser.

	Dimensions	Art. No.
Drip tray NSU 2-5-11	W 95 x H 186 x D 128.3 mm	1420578
Drip tray NSU 2-5-11 short	W 95 x H 30 x D 128.3 mm	1420577
Drip tray NSU 7	W 122 x H 137.7 x D 181 mm	1420574
Drip tray NSU 7 short	W 122 x H 30 x D 181 mm	1420573
Drip tray NSU 11 Touchless	W 95 x H 240 x D 183.3 mm	1420576
Drip tray NSU 11 Touchless short	W 95 x H 30 x D 183.3 mm	1420575

Universal washroom hook

UHU

For wall mounting, incl. bolt and plastic screw anchor, stainless steel.

Dimensions: D 50 mm, Ø 16 mm

		Art. No.
UHU E	Stainless steel	1411590

Clean and safe: Vandalism-proof dispenser systems for effective hand hygiene

FIRE-RETARTAND

We offer you flexibility in shape and size for all your vandalism-proof dispenser requirements. We specialize in compact dispensers with low filling volumes to meet space requirements in prisons, school washrooms, and on trains, as well as dispensers with large filling quantities for heavily frequented washrooms, in shopping centres, stadiums and long-distance rail.

To meet the highest safety requirements, our filling material containers and dosing pumps are available in a fire-retardant design, according to DIN 5510/2 and DIN 45545 standards. Dispenser housings are available in Anti-Fingerprint-Coating to maintain the highest hygiene standards.

Universal dispenser with stainless steel lid, 600 ml

NSU 5 FR

Container with soap, foam or spray pumps available, stainless steel lid without window, anti-finger-print-coating, stainless steel lever, 600 ml (250 ml and 1200 ml versions available).

Pump: Pump with exchangeable container, fire retardant
Container: PP-refillable cartridge, removable, fire retardant
Dimensions: W 97 x H 286 x D 149 mm

		Art. No.
NSU 5 E E/D FR ST	Stainless steel, without window, fire retardant	1420550

Other versions available on request.

Built-in cabinet dispenser, 1200 ml

Train Dispenser FR

Container with soap, foam or spray pumps available, stainless steel, stainless steel lever, 1200 ml.

Pump: Pump with exchangeable container, fire retardant
Container: PP-refillable cartridge, removable, fire retardant
Dimensions: W 108 x H 295 x D 151 mm

		Art. No.
Train Dispenser 2 FR	Stainless steel mount	3400716

Other versions available on request.

Built-in cabinet soap dispenser with lid, 1200 ml

Train Dispenser FR

Container with soap pump, flame protection due to closed stainless steel lid without window, stain-less steel lever.

Pump: Soap pump with exchangeable container
Container: PP-refillable cartridge, removable
Dimensions: W 108 x H 311 x D 139 mm

		Art. No.
Train dispenser 2 S2 S FR 2 S2 S FR	Built-in cabinet soap dispenser	3400895

Other versions available on request.

IDEAL FOR VANDALISM-PRONE SECTORS

Dispenser for toilet seat disinfection, 250 ml

NSU 2 FR with railway standard lock

Dispenser for toilet seat disinfection, spray pump for surface disinfectants without alcohol, stainless steel lid without window, glass bead blasted surface finish, stainless steel lever, railway standard lock (RIC), 250 ml.

Pump: Pump with exchangeable container, fire retardant

Container: PP-refillable cartridge, removable, fire retardant

Dimensions: W 97 x H 220 x D 143 mm

		Art. No.
NSU 2 E/D FR GP without window with RIC lock	with metal lock	1422786

Dispenser for toilet seat disinfection and fragrance, 250 ml

TDU 2 FR Steel Touch (ST)

For public transport, spray pump for surface disinfectants without alcohol, stainless steel lid without window, Anti-fingerprint-coating, stainless steel lever, railway standard lock (RIC), stainless steel fragrance dispenser, to be filled from underneath, 250 ml.

Pump: Pump with exchangeable container, fire retardant

Container: PP-refillable cartridge, removable, fire retardant

Canned Fragrance: not included, H 36 x Ø 75.5 mm (w/o thread), 77.5 mm (threaded)

Dimensions: W 99 x H 250 x D 179 mm

		Art. No.
TDU 2 FR ST	Dispenser for toilet seat disinfection and fragrance	1422663

References

German Railway

Austrian Railway

Multifunctional touchless faucet systems
Water, soap and disinfectant in one unit
the untouchable™

Our sensor-driven, multifunctional faucet dispenses water, soap and disinfectant from one compact system. This intuitive and hygienic touchless system needs little space to install. Available in wall-mounting or counter-mounting versions.

Refillables/bottle:	Standard Euro Bottle 500 and 1000 ml Refillable when using bottles with wide neck For liquid soaps and alcohol-based disinfectant
Dosage:	Soap, adjustable approx. 1 ml - 2.5 ml Disinfectant approx. 0.8 ml - 2 ml Water flow time 1 to 180 seconds
Material:	Brushed stainless steel
Power supply:	230V / 12V adapter
Water connection:	3/8“ standard waterpipe

	Water faucet	**Art. No.**
MW bent	For countertop integration	5400003
MW straight	For wall mounting	5400004
	2 in 1 faucet - water and soap	**Art. No.**
MWS bent	For countertop integration	5400005
MWS straight	For wall mounting	5400006
	3 in 1 faucet - water, soap and disinfectant	**Art. No.**
MWSD bent	For countertop integration	5400007
MWSD straight	For wall mounting	5400008
	2 in 1 dispenser - soap and disinfectant	**Art. No.**
SD bent	For countertop integration	5400143
SD straight	For wall mounting	5400142
	Duo faucet-dispenser set - water and soap	**Art. No.**
W+S bent	For countertop integration	5400201
W+S straight	For wall mounting	5400200

Video:
the untouchable

the untouchable™

Multifunctional touchless faucet systems
Water, soap and disinfectant in one unit

GERMAN DESIGN AWARD SPECIAL 2019

PURUS INNOVATION AWARD CMS BERLIN WINNER 2017

Customized Solutions

Protecting Your Image and Investments

Whether you're looking to protect your dispenser from foreign refills, place unique branding on your device, or build a custom dispenser from scratch, OPHARDT is your customized solutions partner. We use our extensive experience and patent portfolio to deliver the best possible products for you at any level of customization. Our cartridge systems are designed to maximize flexibility and performance for any dispensing project.

Bespoke Solutions

Need to customize the look of a dispenser? Our cartridge dispensers can be made with the colours and branding you need. Whether you need a logo printed on a dispenser that is ready to purchase or whether you need a custom-designed dispenser, we can help.

Tamper-Proof

Whether you need to ensure that only your refills fit in your dispenser, or you want to ensure that your refills cannot be opened and tampered with before entering a dispenser, OPHARDT has a solution. With our patented lockout and tamper proof solutions we help secure your business.

Industry-Leading Pump Portfolio

Our extensive portfolio of pumps means that there's a pump for every solution. If you want a custom pump tailored to your exact formulation, our team of engineers can create the perfect pump to showcase your product.

Smart Choice

Our software is as customizable as our hardware. You can place your brand on our smart software or we can design a custom solution just for you.

OPHARDT
HYGIENE

INTELLIGENT SOLUTIONS

Your OEM partner

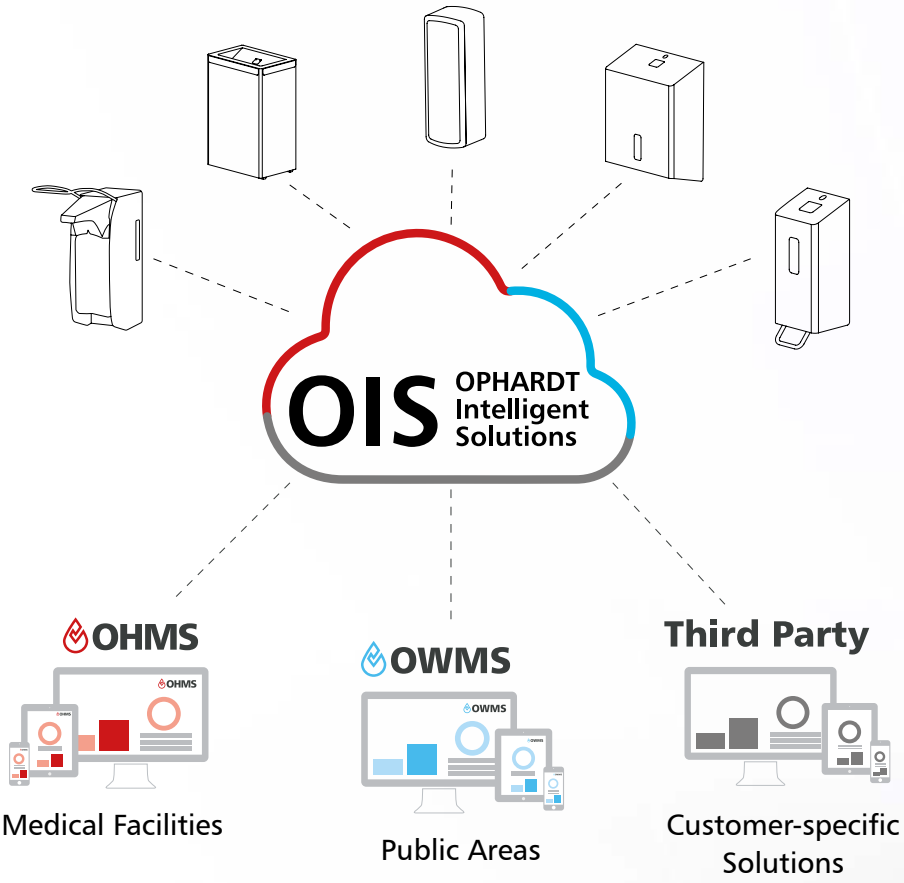
In the decades to come, the dispenser business is going to be shaped by new technologies. OPHARDT Hygiene is a trusted OEM partner for the dispensing equipment, but we are focussed on helping our partners provide complete solutions for their customers.

With our intelligent solutions, we want you to take your customer relationships to the next level. Leverage our proven technologies to deliver better experiences and improve hygiene.

As an internet of things (IOT) pioneer for healthcare and public washrooms, we can help you develop a custom hardware and software package that is tailored to your needs.

Our experienced development team works closely together with you as a partner, to implement your vision for a smart dispenser monitoring system.

Our expansive smart device portfolio, and advanced IOT core are built to seemlessly integrate with other systems. Whether you build custom software that leverages our dispenser data, or your clients have pre-existing software that can benefit from dispenser data, OPHARDT Intelligent solutions are built to be flexible.



HYGIENE MADE DIGITAL

Visit Website

OPHARDT
OPHARDT

KX DESIGN SERIES

A Dispenser as Unique as Your Brand

Sleek, compact, and customizable, the KX series helps your brand stand out even while it fits into small spaces. Compatible with all OPHARDT Hygiene 38 mm pumps, the KX Series provides industry-leading touchless and manual dispensing for liquid, foam, and spray.

One of a Kind

The KX Series offers three areas of customization.

The front panel can be 100% customized with your logo and graphics, with an optional window to view the product level or bottle label.

The KX dispenser frame can be customized with Pantone or RAL colour-matching.

The body colour is available in white and black for smaller orders and in custom colours for larger orders.

QUICK CHANGE

Change bottles in less than 10 seconds.

1250 ml / 1000 ml

750 ml / 500 ml

Ergonomic and easy to use

KX Manual

Compact design, low-force dispensing, one-handed bottle exchange, ADA compliant, X Series cartridge pump compatible, locking or non-locking cover, competitor lock-out technology available.

	Housing	Bezel	Pump	Art. No.
KX Manual 500/750 ml	White plastic	White	X Series	KX75M-0080-C1
KX Manual 1000/1250 ml	White plastic	White	X Series	KX125M-0081-C1
KX Manual 500/750 ml	Black plastic	White	X Series	KX75M-0120-C1
KX Manual 1000/1250 ml	Black plastic	White	X Series	KX125M-0121-C1

Please ask for minimum order quantity. More colour and window options available. Contact: customercare@ophardt.com.

1250 ml / 1000 ml
4x D Batteries

750 ml / 500 ml
4x C Batteries

Reliable Automatic Sensing

KX Touchless

Whisper quiet touchless operation, energy efficient, LED signals for operation and low battery, one-handed bottle exchange, ADA compliant, X Series cartridge pump compatible, locking or non-locking cover, competitor lock-out available.

	Housing	Bezel	Pump	Art. No.
KX Touchless 500/750 ml	White plastic	White	X Series	KX75T-0082-C1
KX Touchless 1000/1250 ml	White plastic	White	X Series	KX125T-0083-C1
KX Touchless 500/750 ml	Black plastic	White	X Series	KX75T-0122-C1
KX Touchless 1000/1250 ml	Black plastic	White	X Series	KX125T-0123-C1

Please ask for minimum order quantity. More colour and window options available. Contact: customercare@ophardt.com.

1-2-3 Dosing switch

Now available with:

QUIET+ DRIVE

MULTI DOSE

Robust and hygienic

KX Metal manual or touchless

Anti-fingerprint, vandalism proof stainless steel housing, high grade hygienic welds, energy efficient touchless dispensing or one-handed manual dispening, ADA compliant, X Series cartridge pump compatible, locking cover with windowless cover option available, competitor lock-out available.

	Housing	Pump	Art. No.
KX 1000 ml M E AFP	Metal with anti-fingerprint-coating	X Series	1422415
KX 1000 ml T E AFP	Metal with anti-fingerprint-coating	X Series	1422413

Touchless or Manual, 1250 ml / 1000 ml

Customizable and Connected

KX Smart Touchless

Cloud-connected, automatic recording of activations, active level measurement, battery level calculation, over-the-air updates, quiet operation, energy efficient, one-handed bottle exchange, X Series pump compatible, locking or non-locking cover, competitor lock-out available.

	Housing	Bezel	Pump	Art. No.
KX Touchless 500/750 ml	White plastic	White	X Series	KXS75T-0082-C1
KX Touchless 1000/1250 ml	White plastic	White	X Series	KXS125T-0083-C1
KX Touchless 500/750 ml	Black plastic	White	X Series	KXS75T-0122-C1
KX Touchless 1000/1250 ml	Black plastic	White	X Series	KXS125T-0123-C1

Accessories

KX Dispensers

- Floor Stand
- Drip Tray

	Description	Art. No.
X Stand	Single pack grey-white stand	FS-001
Drip Tray	White KX Drip Tray 500/750ml	1421899
Drip Tray	White KX Drip Tray 1000/1250ml	1421900

Plastic
Drip Trays

X Stand

NEPTUNE SERIES

Elegance Meets Flexibility

This elegantly styled dispenser series offers a wide range of dispensing options and an unmatched selection of pumps. The Neptune Series gives you the freedom to choose colours and graphics, so that you'll never need to compromise.

Customization

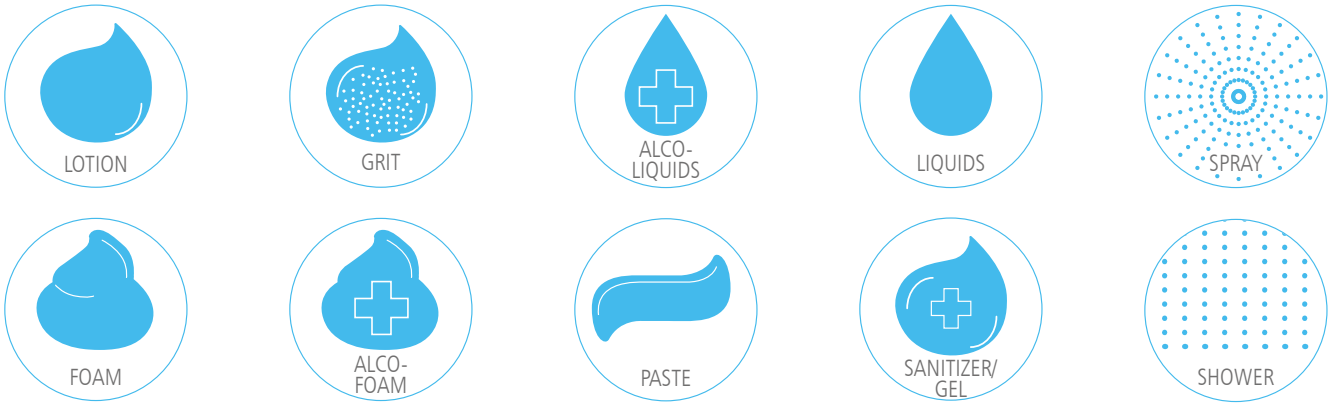
Flexible & dependable

Features:

- Wide range of sizes
- ADA compliant
- Hygienic disposable pump and cartridge system
- Includes a wall mounting plate with tab feature for easy dispenser removal:
  - for cleaning
  - for simplified upgrading within the Neptune family (e.g. from manual to touchless)
- Pump engagement accepts choice of foam, alco-gel, lotion, grit/heavy duty soap, or spray
- Secure trick lock or key

Custom Colours:

- Standard white and black body colours
- Custom colours available on large orders
- Colour matching available (Pantone / RAL)



Neptune
2000 ml / 1500 ml

Neptune 1000 ml

Ergonomic and easy to use
Neptune Manual

Low-force presser, low-profile, one-handed dispensing, available lock out technology to ensure only your product fits, ADA compliant, easy one-handed bottle exchange, locking or non-locking cover, X Series cartridge pump compatible.

	Housing	Pump	Window	Art. No.
Neptune Manual 1000 ml	White plastic	X Series	Clear	4400790
Neptune Manual 1500/2000 ml	White plastic	X Series	Frosted	1420008
Neptune Manual 1000 ml	Black plastic	X Series	Frosted	1419458
Neptune Manual 1500/2000 ml	Black plastic	X Series	Frosted	1420007

Please ask for minimum order quantity. More colour and window options available. Contact: customercare@ophardt.com.

Neptune 1500 ml
4x D Batteries

Neptune 1000 ml
4x C Batteries

Reliable automatic sensing
Neptune Touchless

Touchless operation, LED indicator light signals operation and low battery, efficient energy consumption: 60,000-90,000 activations (dependent on liquid viscosity, battery type, and usage), ADA compliant, low-profile, easy one handed bottle exchange, locking or non-locking cover, X Series cartridge pump compatible, competitor lock out technology available.

	Material	Pump	Window	Art. No.
Neptune Touchless 1000 ml	White plastic	X Series	Clear	1418543
Neptune Touchless 1500/2000 ml	White plastic	X Series	Frosted	1420010
Neptune Touchless 1000 ml	Black plastic	X Series	Frosted	1419459
Neptune Touchless 1500/2000 ml	Black plastic	X Series	Frosted	1420009

Please ask for minimum order quantity. More colour and window options available. Contact: customercare@ophardt.com.

Robust and hygienic

Neptune Metal Manual or Touchless

High grade, vandalism proof, anti-fingerprinted coated stainless steel with hygienic welds, touchless dispensing, one-handed bottle exchange, locking cover, X Series cartridge pump compatible, efficient energy consumption: 60,000-90,000 activations (dependent on liquid viscosity, battery type, and usage), competitor lock out technology available.

	Housing	Pump	Art. No.
NMU 1000 E AFP	Metal with anti-fingerprint-coating	X Series	3401061
NTU 1000 E AFP	Metal with anti-fingerprint-coating	X Series	1419768

NMU, manual, 2000 ml or 1000 ml

NTU Touchless, 2000 ml or 1000 ml

Accessories

Neptune Dispensers

- Floor Stand
- Drip Tray

	Description	Art. No.
X Stand	Single pack grey-white stand	FS-001
Drip Tray	White Neptune Drip Tray 1000ml	1418198

Plastic
Drip Tray

X Stand

THE DISPENSING EXPERTS™

Innovators in dosing and dispensing

X PUMPS BY OPHARDT

CleanTip Technology™ - No drips or leaks.
Accurate dosing from start to finish.
Recyclable and using post-consumer recycled plastics (PCR)*.
The OPHARDT 38 mm and new X10 pump family.

*Recyclability varies based on pump type and local recycling infrastrure.
*PCR used in select pumps

INNOVATORS IN DOSING AND DISPENSING

Our innovative dispensing solutions are designed to deliver consistent, accurate doses of any product.

Whether you need accurate and consistent dispensing for hand hygiene, liquid food, or cosmetics - our expansive IP portfolio in dispensing offers unparalleled competitive advantages and performance. With more than 100 standard pumps we have a solution for every dispensing scenario.

WE ARE THE DISPENSING EXPERTS

Our Dispensing Technologies Includes:

- CleanTip Technology™: No drips or leaks
- AIR BLAST equipped for assured dispensing of thick products
- Engagement Patents: Protects your products
- Accurate dosing, start to finish
- Reuse resistant hygiene pumps
- Recyclable pumps*
- World class alco-foam
- High or low-viscosity liquid, foam, spray, shower pumps
- More than 100 standard pumps, endless solutions
- Integral lockouts

CLEAN TIP

AIR BLAST

*Recyclability varies based on pump type and local recycling infrastrure.

Example

X45F15CNV-PCR

1 2 3 4 5 6 7

1 Pump longevity

X ...	**Disposable**
SP ...	Semi-permanent
P ...	Permanent

2 Bottle Neck Size

... **38** ...	38 mm
... **45** ...	**45 mm**

3 Output Types

... . **F ...**	**Foam**
... . **AF** ...	Alco-Foam
... . **G** ...	Grit
... . **S** ...	Spray
... . **SH** ...	Shower
... . **LV** ...	Low Viscosity Liquid (0 - 100 cPs)
... . **MV** ...	Medium Viscosity Liquid (100 - 10K cPs)
... . **MHV** ...	Medium High Viscosity Liquid (100 - 50K cPs)
... . **HV** ...	High Viscosity Liquid (10K - 100K cPs)
... . **UHV** ...	Ultra High Viscosity Liquid (> 100K cPs)

4 Dosage in ml (Upper Limit)

... ... **025** ...	0.25 ml
... ... **035** ...	0.35 ml
... ... **04** ...	0.4 ml
... ... **07** ...	0.7 ml
... ... **08** ...	0.8 ml
... ... **11** ...	1.1 ml
... ... **12** ...	1.2 ml
... ... **13** ...	1.3 ml
... ... **15** ...	**1.5 ml**
... ... **20** ...	2.0 ml
... ... **22** ...	2.2 ml
... ... **etc.** ...	etc.

5 Dosing Features

... ... **C** ...	**CleanTip**
... ... **AB** ...	Air Blast

6 Venting

... ... **V** ...	Vented
... ... **NV** ...	**Non-Vented**

7 Versions

... ... **- HD**	Heavy Duty material resistance
... ... **- SM**	Single-mesh
... ... **- HH**	High-Heat
... ... **- L**	Long outlet
... ... **- S**	Short outlet
... ... **- MS**	Metal spring
... ... **- Bio**	Bio-based materials
... ... **- PCR**	**Post-consumer recycled plastic**
... ... **- UX**	Only compatible with UX / LX
... ... **- San**	Only compatible with SanTRAL
... ... **- 1**	Non-proprietary customer version
... ... **- 2**	Non-proprietary customer version
... ... **- 3**	Non-proprietary customer version
... ... **- 4**	Non-proprietary customer version
... ... **- etc.**	Other non-proprietary customer versions

X38 Alco-Foam

Precision dosage, alcohol-based foaming pumps.
Compatible with all Neptune and KX dispensers, and bottles with 38 mm necks.
Recyclable*, single-use cartridge pumps without metal springs.
Dosages from 0.4-0.8 ml/stroke. Vented or non-vented options.

Family	Description	Art. No.
X38 FCB	0.4 ml non-vented	X38AF04CNV
X38 FCB	0.4 ml vented	X38AF04CV
X38 FCB	0.8 ml non-vented	X38AF08CNV
X38 FCB	0.8 ml vented	X38AF08CV

Please ask for minimum order quantity. Not all options are shown. Contact us for other options or custom solutions: customercare@ophardt.com.

X38 Soap Foam

Precision dosage, foaming pumps.
Compatible with all Neptune and KX dispensers, and bottles with 38 mm necks.
Recyclable*, dosages from 0.4-0.8 ml/stroke. Vented or non-vented options.

Family	Description	Art. No.
X38 FCB	0.4 ml non-vented	X38F04CNV
X38 FCB	0.4 ml vented	X38F04CV
X38 FCB	0.8 ml non-vented	X38F08CNV
X38 FCB	0.8 ml vented	X38F08CV

Please ask for minimum order quantity. Not all options are shown. Contact us for other options or custom solutions: customercare@ophardt.com.

X38 Grit

Precision dosage, heavy duty grit pumps.
Compatible with all Neptune and KX dispensers, and bottles with 38 mm necks.
Recyclable*, single-use cartridge pumps without metal springs.
Dosages 2.2 ml/stroke. Vented or non-vented options.

Family	Description	Art. No.
X38 Grit	2.2 ml vented	X38G22CV
X38 Grit	2.2 ml non-vented	X38G22NV
X38 Grit	2.2 ml non-vented	X38G22NV-HD
X38 Grit	2.2 ml vented	X38G22V-HD

Please ask for minimum order quantity. Not all options are shown. Contact us for other options or custom solutions: customercare@ophardt.com.

X38 High Viscosity

Precision dosage, high viscosity pumps.
Compatible with all Neptune and KX dispensers, and bottles with 38 mm necks.
Recyclable*, single-use cartridge pumps without metal springs.
Medium High Viscosity Liquid (100 - 50K cPs)
High Viscosity Liquid (10K - 100K cPs)
Ultra High Viscosity Liquid (> 100K cPs)
Dosages from 0.25 - 2.0 ml/stroke. Vented or non-vented options.

Family	Description	Art. No.
X38 HV	0.25 ml non-vented	X38UHV025ABNV
X38 HV	0.8 ml non-vented	X38HV08NV
X38 HV	2.0 ml non-vented	X38MHV20CNV
X38 HV	2.0 ml vented	X38MHV20CV

Please ask for minimum order quantity. Not all options are shown. Contact us for other options or custom solutions: customercare@ophardt.com.

*Recyclability varies based on pump type and local recycling infrastructure.

X38 Medium Viscosity

Precision dosage, medium viscosity pumps.
Compatible with all Neptune and KX dispensers, and bottles with 38 mm necks.
Recyclable*, single-use cartridge pumps without metal springs.
Medium Viscosity Liquid (100 - 10K cPs)
Dosages from 0.8-1.5 ml/stroke. Vented or non-vented options.

Family	Description	Art. No.
X38 MV	0.8 ml non-vented	X38MV08CNV
X38 MV	1.1 ml non-vented	X38MV11CNV
X38 MV	1.2 ml non-vented	X38MV12CNV
X38 MV	1.2 ml vented	X38MV12CV
X38 MV	1.5 ml non-vented	X38MV15CNV

Please ask for minimum order quantity. Not all options are shown. Contact us for other options or custom solutions: customercare@ophardt.com.

X38 II Family

Precision dosage, versatile pumps.
Compatible with all Neptune and KX dispensers, and bottles with 38 mm necks.
Recyclable*, single-use cartridge pumps without metal springs.
Dosages 1.3 ml/stroke. Vented or non-vented options.

Family	Description	Art. No.
X38 II	1.3 ml non-vented	X38MV13NV
X38 II	1.3 ml vented	X38MV13V

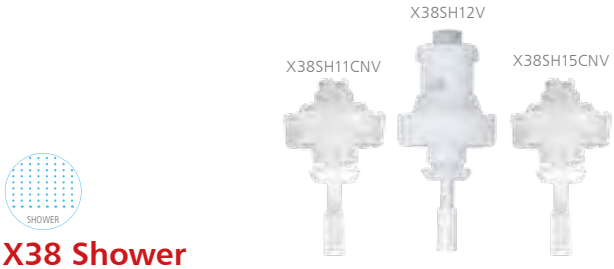
Please ask for minimum order quantity. Not all options are shown. Contact us for other options or custom solutions: customercare@ophardt.com.

X38 Spray

Precision dosage, liquid spray pumps.
Compatible with all Neptune and KX dispensers, and bottles with 38 mm necks.
Recyclable*, single-use cartridge pumps without metal springs.
Dosages from 0.25-1.2 ml/stroke. Vented or non-vented options.

Family	Description	Art. No.
X38 Spray	0.25 ml vented	X38S025V-S
X38 Spray	0.8 ml non-vented	X38S08CNV
X38 Spray	1.1 ml non-vented	X38S11CNV
X38 Spray	1.2 ml vented	X38S12V

Please ask for minimum order quantity. Not all options are shown. Contact us for other options or custom solutions: customercare@ophardt.com.



X38 Shower

Precision dosage, liquid shower pumps.
Compatible with all Neptune and KX dispensers, and bottles with 38 mm necks.
Recyclable*, single-use cartridge pumps without metal springs.
Dosages from 1.1-1.5 ml/stroke. Vented or non-vented options.

Family	Description	Art. No.
X38 Shower	1.1 ml non-vented	X38SH11CNV
X38 Shower	1.2 ml vented	X38SH12V
X38 Shower	1.5 ml non-vented	X38SH15CNV

Please ask for minimum order quantity. Not all options are shown. Contact us for other options or custom solutions: customercare@ophardt.com.

*Recyclability varies based on pump type and local recycling infrastructure.

OPHARDT TAMPER PROOF SOLUTIONS FOR 38 MM AND X10 PUMPS

The Problem: Bottle and Product Tampering

Without a tamper-resistant pump and bottle combination, the product you ship to customers could be opened and altered. This poses a risk to your customers and your reputation. Traditional solutions such as post-filling heat staking, ultrasonic welding, heat shrink bands and adhesives add complexity and cost to the filling line. A perfect solution would provide the same security as those solutions without requiring changes to the manufacturing process.

The Solution: Ratchet 38 mm Pumps and Snap Fit X10 Pumps

To make our pumps tamper-proof without disrupting existing filling lines, we designed a custom geometry for the pumps and bottles that fit within our existing 38 mm caps. This solution has been designed to work seamlessly with existing manufacturing processes, allows you to keep your existing dispensers, and has been constructed to work with legacy pumps and bottles to the highest degree possible.

38 mm Bottle Design

RATCHET LOCK

New barbs in the thread are formed in a traditional core/cavity design with no slides or other complications. This is easily retrofitted on existing impact formed blow molds by replacing the thread inserts in the tool.

PATENTED SOLUTION

38 mm Ratchet Pumps

Cylinders feature multiple barbs around the periphery which grab onto matching barbs on the bottle. Special thought went into the design of these barbs. Since the barbs run throughout the entire thread the features function regardless of threading depth, so they are not as sensitive to bottle height variation as traditional barbed features. This improves security and simplifies the filling line process.

OPHARDT X10 45 MM TAMPER PROOF SOLUTIONS

X10 Snap Fit Bottles and Pumps

Securing X10 pumps and bottles together is a snap. With one, simple connection, the pump and bottle become inseparable. Once connected, the only way to remove the pump from the bottle is by cutting or damaging the bottle, making it impossible to refill and reuse. This secure snap ensures that only your product gets used in your bottles.

Custom Competitor Lockout

The X10 takes lockout to the next level. This patented system gives each customer a unique key with male and female parts located directly on the pump and in the dispenser platform. This will give you the peace of mind that your dispensers and product will be only ones that work with each other.

Once on the pump, the bottle requires excessive force to be pulled off.

X10 CUSTOM DISPENSER SYSTEM

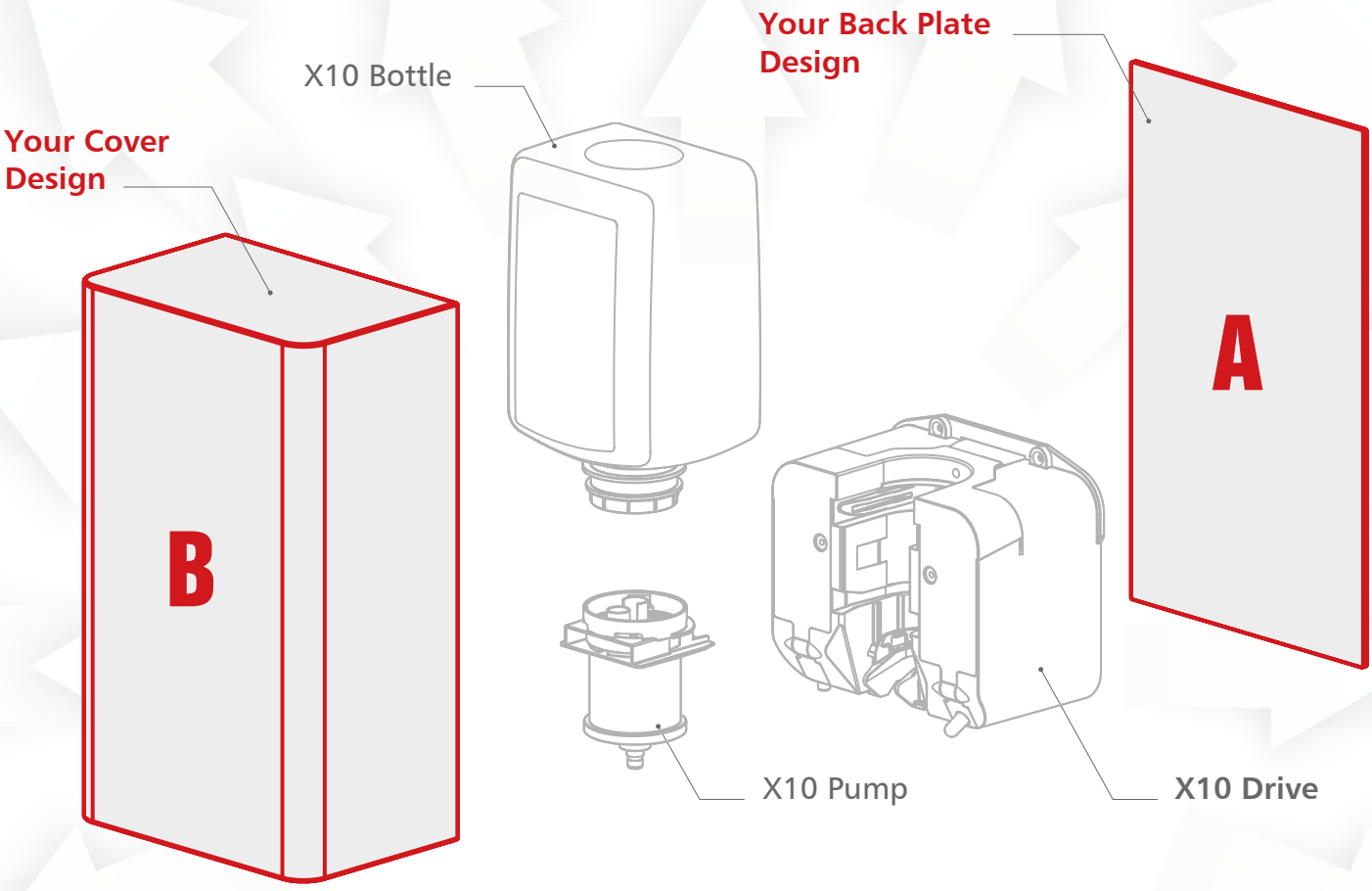
The Foundation of Your Next Custom Dispenser

Our technology, your look and feel

At the heart of the X10 is a simple idea. OPHARDT will take care of the most costly, complex, and time-demanding part of building a custom dispenser. Then you get all the benefits of a completely custom-built dispenser with internals designed by the world's leading dispensing experts.

The X10 allows you to get to market faster and gives you access to a portfolio of patented technology that is only available from OPHARDT Hygiene. The X10 system includes the drive, pump, and bottle. Once you design a front cover and back plate, you will have a visually unique dispenser with industry-leading internals.

X10 SYSTEM



Industry-leading technology from the dispensing experts

X10 System

Elevate your dispenser with our legendary performance, reliability, and innovations.

Quiet Drive+
The X10 contains our quietest technology. Whisper-quiet, the X10 can fit into a wide variety of environments.

Smart Device
The X10 can be the foundation of your smart solution, integration with our off-the-shelf or custom smart services.

Battery life that goes on and on
Battery life up to 80,000 activations, with an LED indicator light signals operation and low battery level.

Patented, Custom Lockout
Optional notch system ensures that only your product is compatible with the dispenser using our patented pump-umbrella protection.

CLEAN TIP · MULTI DOSE · QUIET DRIVE+ · SMART DEVICE

Flexibility + Benefits

X10 System

The accommodating type. With so many options to choice from, the X10 is our most flexible dispensing system ever made.

Options on options

Whether you are looking to create a dispenser that is manual or touchless, standard or smart, cartridge-based or refillable, with rigid or collapsible bottles, the X10 can support all of the above.

Multi Dose

The X10 gives you the choice of three dosing amounts: 0.5 ml, 1 ml, and 1.5 ml, allowing you to optimize usage.

Quickly get to market

We've taken care of the costly, complex, and time-consuming parts of developing a custom dispenser. With the dispener technology and internals already in place, you can get to market with a speed that would be impossible otherwise.

Complete control

You have total power over the look and feel of the dispenser, ensuring that your brand is showcased the way you want it to be.

Simple and clear design support

We provide easy to follow design resources to help you create your front cover and back plate. Want more help? OPHARDT can be your design partner.

Protect your investment

With our custom lockout and bottle snap technologies, you have peace of mind that your product is being used in your dispensers and that your bottles are not being refilled.

Best-in-class

When you build on top of the X10, you are building on the best.

Watch Video

X10 PUMP SERIES

Take your dispenser to the next level

X10 Foam

Precision dosage, soap foam pumps.
For custom dispensers and bottles with 45 mm necks.
Recyclable* single-use cartridge pumps with integrated post-consumer recycled resin. CleanTip Technology™ inside.
Dosages adjustable from 0.5-1.5 ml/stroke. Vented or non-vented options.

Family	Description	Art. No.
X10	0.5 ml to 1.5 ml non-vented	X45F15CNV
X10	0.5 ml to 1.5 ml vented	X45F15CV

Please ask for minimum order quantity: customercare@ophardt.com.

X10 Alco-Foam

Precision dosage, alco-foam pumps.
For custom dispensers and bottles with 45 mm necks.
Recyclable* single-use cartridge pumps with integrated post-consumer recycled resin. CleanTip Technology™ inside.
Dosages adjustable from 0.5-1.5 ml/stroke. Vented or non-vented options.

Family	Description	Art. No.
X10	0.5 ml to 1.5 ml non-vented	X45AF15CNV
X10	0.5 ml to 1.5 ml vented	X45AF15CV

Please ask for minimum order quantity: customercare@ophardt.com.

X10 Lotion

Precision dosage, versatile lotion pumps.
For custom dispensers and bottles with 45 mm necks.
Recyclable* single-use cartridge pumps with integrated post-consumer recycled resin. CleanTip Technology™ inside.
Dosages adjustable from 0.5-1.5 ml/stroke. Vented or non-vented options.

Family	Description	Art. No.
X10	0.5 ml to 1.5 ml non-vented	X45MV15CNV
X10	0.5 ml to 1.5 ml vented	X45MV15CV

Please ask for minimum order quantity: customercare@ophardt.com.

X10 Spray

Precision dosage, liquid spray pumps.
For custom dispensers and bottles with 45 mm necks.
Recyclable* single-use cartridge pumps with integrated post-consumer recycled resin. CleanTip Technology™ inside.
Dosages adjustable from 0.5-1.5 ml/stroke. Vented or non-vented options.

Family	Description	Art. No.
X10	0.5 ml to 1.5 ml non-vented	X45S15CNV
X10	0.5 ml to 1.5 ml vented	X45S15CV

Please ask for minimum order quantity: customercare@ophardt.com.

X10 Features

All the pumps in our X10 portfolio come with best-in-class features. As the dispensing experts with a wide range of pump-related patents, we have packed our latest pumps with the very best technology available today.

CLEAN TIP Patented suck-back technology eliminates drips, provides a better experience and reduces the need for frequent cleaning.

MULTI DOSE Optimize your dispensers for your needs, whether your minimizing costs or maximizing product use. Our X10 pumps support dosing amounts of 0.5 ml, 1 ml, and 1.5 ml.

SNAP LOCK Protect your investment with bottle and pump combinations that are a snap to connect but impossible to take apart without making them unusable.

QUICK CHANGE Complicated bottle changes lead to wasted time. Our X10 cartridge system is rated to be done in less than 10 seconds.

*Recyclability varies based on pump type and local recycling infrastructure.

SHAMPOO
450ml (15FL OZ)
CONDITIONER
450ml (15FL OZ)
BODY WASH
450ml (15FL OZ)
38°C
100°F

H³ DISPENSER SERIES

Modular Dispenser Series for Showers, Washrooms, Lobbies and More

The options are limitless with the new OPHARDT Hygiene hospitality amenities dispenser. Refillable and ready to make an impression, the H3 dispenser offers a perfect alternative to wasteful mini shampoo and personal care bottles. Whether you need an open, refillable system, or a closed system, the H3 dispenser can be adapted to your specific needs. This modular dispenser is designed to be wall mounted as a single, double or triple dispensing unit, perfect for the shower, bathroom, kitchen or anywhere hospitality hygiene is a priority.

H³

	Description	Art. No.
H3	Triple dispenser, white housing	H3-001
H2	Double dispenser, white housing	H2-001
H1	Single dispenser, white housing	H1-001

Standard: available in chrome, black, or white
Minimum order quantity: 1 pallet

H²

NEW

Custom colours & labels

QUICK CHANGE

TAMPER LOCK

H¹

H3 SERIES DISPENSERS CLOSED OR REFILLABLE

H3 cartridge bottles come with a proprietary, tamper-proof cap so that your bottles will not be opened and refilled with another product. These cap and bottle combination are simple and easy to attach but offer a robust, secure attachment.

Cartridge - a closed system

Using a cartridge system ensures that the correct products are being used in your dispensers. This can have health and safety benefits, ensuring that healthcare facilities have the right disinfectant in their hallways and the correct formulation of soap in their operating rooms.

Refillable - a durable and open system

If you are managing a facility and the flexibility to change products at any time, the refillable model of the H3 is the perfect solution. Featuring high-quality, durable pumps with an expected lifetime of 500 bottle replacements, the refillable model is long-lasting and easy to maintain. Its open system allows you to keep the same dispenser and switch to another filling liquid to lower costs or increase customer satisfaction.

Switch between refillable and cartridge

With the H3 you are free to change your mind. Choose a refillable system now, but need to switch to a cartridge system later? It's as easy as swapping out bottle and pump combination for another.

TAMPER LOCK

CLEAN TIP

PCR

Post-Consumer Recycled

BTF FOAM PUMP SERIES

The Benchmark for Bottle Top Foam

The OPHARDT Bottle Top Foam (BTF) pump was built to deliver the ultimate foam experience. Whether foam or alcofoam, the BTF provides a thick, rich foam that easily spreads over hands to provide a more hygienic experience, regardless of the formula used.

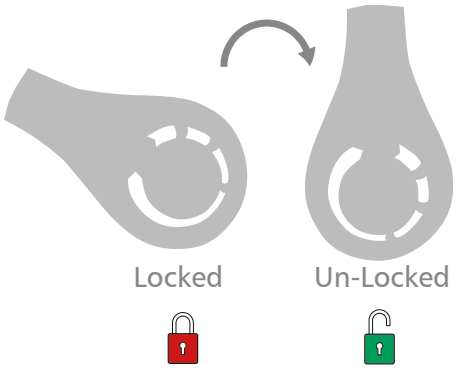
CleanTip Technology™ keeps the nozzle clean after dosing to ensure that your soap or alcofoam stays on your hand and not on the floor.

Hand hygiene had never been so luxurious. Contact us for more information on the OPHARDT BTF pump.

Features:

- High air-to-solution ratio for dryer, higher quality foam than similar pumps
- 1.2 ml and 1.6 ml dosages available
- 40 mm and 43 mm threads to fit standard bottle top foam bottles
- The robust and tactile lock is resistant to accidental rotation
- Custom colours available
- The BTF can be made from FDA approved post-consumer recycled materials (up to 80% of pump mass)
- CleanTip Technology™ reduces drips or tails hanging from the nozzle
- Bottle sold separately

	Pump	Art. No
BTF 1.2 ml AFL	Alco-foam	XBT40AF12CV
BTF 1.2 ml FL	Foam soap	XBT40F12CV
BTF 1.6 ml AFL	Alco-foam	XBT40AF16CV
BTF 1.6 ml FL	Foam soap	XBT40F16CV



PCR
Post-Consumer Recycled

CLEAN TIP

OPHARDT would be glad to design a **custom solution** to your fitment, dosage, product, branding or application.

FOLLOW US
ON SOCIAL MEDIA

Break the Chain of Infection - online anytime

Learn how we live out our mission to Break the Chain of Infection every day—follow us on our social media channels to get the latest information about the company, product innovations, career opportunities, events, and news from the world of hand hygiene.

You can find us on Facebook, Twitter, Instagram, Linkedin and YouTube—we look forward to connecting with you!

#ophardthygiene

EXPLORE OUR DIGITAL OFFERINGS

HAND HYGIENE NEWS

The Hygiene Hub keeps you up to date with current studies from the world of hand hygiene, field reports from our customers, interviews with experts, and announcements of new products. Visit our blog to make sure you never miss an important update again.

Scan the QR code to go directly to the page or go to https://news.ophardt.com/en/news-en

OPHARDT'S E-MAIL-NEWSLETTER

Get information and news from the hand hygiene market leader directly in your inbox.
With our e-mail newsletter, we regularly send you informative reports from the field of hygiene, updates on our products, and event information. In addition, we highlight current hygiene topics and present interesting studies from renowned journals.

www.ophardt.com/en/newsletter

WEBINAR TRAINING

Follow our informative webinars from the comfort of your home office or office.
The pandemic has made new ways of conducting training necessary. With our regular webinars, we offer live events that you can access from anywhere. It is one way that we are trying to keep our customers, partners and hygiene enthusiasts up to date during this unprecedented times.

www.ophardt.com/en/webinar

General Terms and Conditions (GTC)

Important notice: This document is a translation, and in a dispute the German version will be taken as the correct version.

For all deliveries and performances, including future transactions, the following GTC apply exclusively. Deviating agreements require our confirmation. At the latest with the receipt of our goods and/or services, these GTC are considered accepted.

Our GTC only apply for companies, corporate bodies under public law or special funds under public law.

1. Quotation and conclusion of contract

Our quotations are non-binding.

Contracts are only concluded with our acceptance of orders submitted to us, when we have confirmed declarations of acceptance or when the delivery items ordered by the purchaser have been delivered. This applies accordingly for additions and amendments to contracts. The contracting parties will confirm oral agreements immediately in writing.

All specifications, such as dimensions, weights, figures, descriptions, assembly drawings and diagrams in offers, brochures, price lists and other printed material are only approximate, determined as accurate as possible, however they are non-binding for us in this respect. Models and drawings remain our property.

2. Dates and deadlines

Specified periods and deadlines are only binding insofar as they have been expressly agreed upon as binding in the written form.

Unforeseen extraordinary events, such as labour disputes, official measures, traffic jams or other force majeure, whether they occur to us or to our suppliers, release us from our duty of delivery and/or performance for the duration of their effects or release us entirely if they lead to the impossibility of the performance. Any agreed contractual penalty shall not be deemed as forfeited under these circumstances.

If the delivery of a delivery item which is ready for dispatch is delayed at the request of the purchaser or for reasons for which the purchaser is responsible, we are entitled to charge the purchaser a storage fee amounting to 0.5% of the invoice amount of the respective delivery item for each commenced month. The purchaser is entitled to provide evidence that no expenses have been incurred at all or that they were significantly lower than the flat charge. Further rights remain unaffected thereof.

3. Shipment and transfer of risk / insurance

The risk of accidental loss and accidental deterioration of the goods passes to the buyer upon delivery, in case of a sales shipment upon the transfer to the carrier, haulier or the person or agency responsible for the performance of the shipment.

The transfer also applies when the purchaser is in default of acceptance.

Insurance is only arranged at the request of the purchaser and at the purchaser's expense.

4. Payment

Unless otherwise agreed, our invoices are due immediately and payable within 14 days of the date of invoice.

Unless otherwise agreed, a cash discount of 2% is only possible in the case of advance payments, or in the case or an unhampered receipt of payment by direct debit authorisation granted to us, subject to fulfilment of the following conditions.

A cash discount deduction is only permitted insofar as all due invoices– excluding those for which the purchaser has legitimate objections – have been paid.

The net invoice amount after the deduction of discounts, freight and other non-discountable performances applies as the basis for calculation.

We only accept bills of exchange upon prior express agreement and on the condition that they are discountable.

A Credit for cheques and bills of exchanges is only issued after redemption; assignments of claims are only credited after payment. The claim and its maturity remain unaffected until then.

We assume no liability for timely redemption and protesting.

Bills of exchange, rebates, protests and collection are borne by the purchaser.

If a reasonable doubt of the purchaser's creditworthiness or ability to pay should arise after the conclusion of contract, we are entitled to refuse our services until the purchaser provides the consideration and has paid our claims due for payment - including those from earlier transactions in the ongoing business relationship - or has provided corresponding securities. If multiple claims against the purchaser exist, incoming payments are credited against the oldest claim.

5. Offsetting and right of retention

The purchaser is only entitled to offset and/or retention if the counterclaim is based on the same contractual relationship or the counterclaim is undisputed, acknowledged by us or has been finally and non-appealable established.

6. Liability for defects

Unless otherwise stated below, we shall be liable for material defects and legal deficiencies (including incorrect and short delivery) in accordance with the statutory provisions. The regulations for supplier recourse remain unaffected in any case.

Objections on the basis of defects of the goods, incorrect deliveries and deviations in quantity - even for excess delivery - must be immediately asserted in writing or no later than 14 days after receipt of the goods or completion of performance, insofar as they can be verified through reasonable investigation.

For defects of goods and/or services, we provide supplementary performance by repair or replacement, at our discretion.

In the case of the failure, which means the impossibility, the unacceptability, refusal or inappropriate delay in rectification or replacement, the purchaser can – in case of a significant defect - withdraw from the contract or reasonably reduce the purchase price.

If we are to blame for a defect, the purchaser can demand compensation for damages under the conditions specified in paragraph 7.

Claims for defects become statute-barred one year after the delivery of the goods or completion of performance, insofar as we have not assumed liability in the scope of a manufacturer's guarantee for a longer period of time. This does not apply to items which have been used for a building in accordance with its customary manner of use and have caused its deficiency.

If a used item is sold, we are not liable for any defects unless we have fraudulently concealed the defects. This exception does not apply for compensation claims in case of liability for material defects caused by gross negligence or a deliberate violation of obligations as well as injury to life, limb and health. Any existing claims that might exist against third parties in case of liability for material defects shall be assigned to the purchaser.

It is agreed that basically only our product description according to our offer applies as the condition of the goods. Public statements, promotions or advertisements, on the other hand, do not represent a contractual specification of the condition of the goods.

The purchaser does not receive any guarantees from us in the legal sense.

7. Liability

We are liable within the scope of the statutory provisions insofar as the purchaser has asserted damage claims which are based on intent or gross negligence on the part of our corporate bodies, representatives or vicarious agents. If the cause of a damage is based on minor negligence, we are only liable insofar as essential contractual duties have been violated. Essential contractual duties are to be understood as duties whose fulfilment are necessary for the proper execution of the contract in the first place and on the compliance of which the contractual partner may regularly rely.

If we are liable in accordance with the preceding clause for minor negligence, the liability is limited to the foreseeable contract-typical damages.

If compensation for damages is demanded on the basis of the deficiency of the item in the case of minor negligence, the goods remain in the purchaser's possession insofar as this is reasonable for him. The compensation for damages is limited to the difference between the value of the defective item and the purchase price.

The preceding limitations of liability do not apply in the case of injury to life, body or health or in cases of mandatory liability on the basis of the provisions of the German Product Liability Act (Produkthaftungsgesetz). The limitations of liability do not apply in the case of the issue of guarantees whose content has the purpose of safeguarding the purchaser against such damages, either.

8. Retention of title

Our deliveries are made exclusively under retention of title. The property is only transferred to the purchaser once he has fulfilled his obligations to us.

In the case of an account current, the goods subject to retention of ownership also serve as security for our balance claim. Any processing, reworking, installation or other use of the goods delivered by us which are still our property is carried out by the purchaser on our behalf.

If the goods delivered by us are combined or mixed with other items, we acquire co-ownership of the new item and/or the mixed assets proportional to the invoice value of the goods subject to retention of title to the value of the new item or the mixed assets. The purchaser stores the goods whose sole or co-ownership we are entitled to for us. If the mixture or combination takes place in such a manner that the purchaser's item should be considered the primary item, it is agreed that the purchaser transfers proportional co-ownership to us and that item is also kept safe for us.

Prior to acquiring ownership, the purchaser may only sell the delivered goods in the normal course of business and may not agree with their purchaser to a prohibition of assignment. The purchaser is also obligated to enjoin our retention of title on their purchaser.

Encroachments on our rights, especially seizure and sequestration, must be reported to us by the purchaser immediately in writing with inclusion of copies of seizure reports.

Until the full repayment of all of our bills payable, the purchaser assigns to us all claims, along with all ancillary rights and securities, as well as any claims against his insurer, which he has accrued from his purchasers through future sales of our delivered goods in the amount of the invoice value of the goods delivered by us and sold by the purchaser plus an additional 10%. We hereby accept the assignment. If the value of the assignments and securities exceeds our claims by more than the 10% specified in Sentence 1, we are obligated to release corresponding securities of our choice at the purchaser's request.

At our request the purchaser is obligated to inform his purchaser of the assignment and to provide us with the information necessary for the assertion of our rights towards the purchaser and to hand over the documentation necessary. We are entitled to inform the purchaser's purchaser of the assignment. This applies as a cancellation of the following collection authorisation.

The purchaser is empowered to collect the assigned claim for us, however only insofar as he fulfils his contractual duty of payment to us. We can revoke the empowerment of the purchaser for the collection of our claim. The amounts collected must be set aside by the purchaser and paid to us immediately. The purchaser bears any costs for intervention.

A sale in the sense of these conditions of sale includes the reworking, installation or other use.

9. Place of performance and jurisdiction

The place of performance for all obligations arising from the delivery transaction is Issum, Germany.

The local or district court responsible for Issum, Germany shall settle any disputes arising from the business relationship between us and the purchaser.

The law of the Federal Republic of Germany applies exclusively. The application of the UN Convention on the International Sale of Goods (CISG) is excluded.

If individual provisions of these General Terms and Conditions should be or become invalid either wholly or in part on the basis of the deviation of provisions which do not serve for the protection of the purchaser, the wholly or partly invalid provision shall be replaced by a provision whose economic outcome comes as close as possible to the invalid provision.

Information

Liability for defects and product guarantee

In general, a warranty of two years applies to all of our products. This warranty can be extended for ingo-man® smart products, dependent on licensing model. Surpassing the two-year warranty, we assume liability for defects in accordance with our General Terms and Conditions for a period of five years for SanTRAL® and ingo-man® aluminum and stainless steel products, starting from the date of delivery, subject to the intended use and the use of original OPHARDT Hygiene parts for all of our deliveries, with the exception of the deliveries of plastic devices/pumps and smart devices.

Return of goods

Within 8 weeks of the original purchase date, unused standard products in their original packaging and part of the current price list may be returned after consultation, and with reference to the original invoice number. A credit note will be issued with a minimum deduction of 35% of the net purchase value. Requests for payout of the credit will not be accepted. Filling goods may not be returned. For organizational reasons, we can only accept prepaid return shipments.

Printing or special powder coating

...printing in any RAL colours as well as autoclavable powder coating are offered for an extra charge.

Costumers colours for plastic products

...are offered starting at preset minimum quantities. Please make a special request.

Price adjustments

...we explicitly reserve the right to make price adjustments.

Technical modifications

...may be carried out without announcement, in the interest of our customers, and to further enhance our products.

Terms and conditions

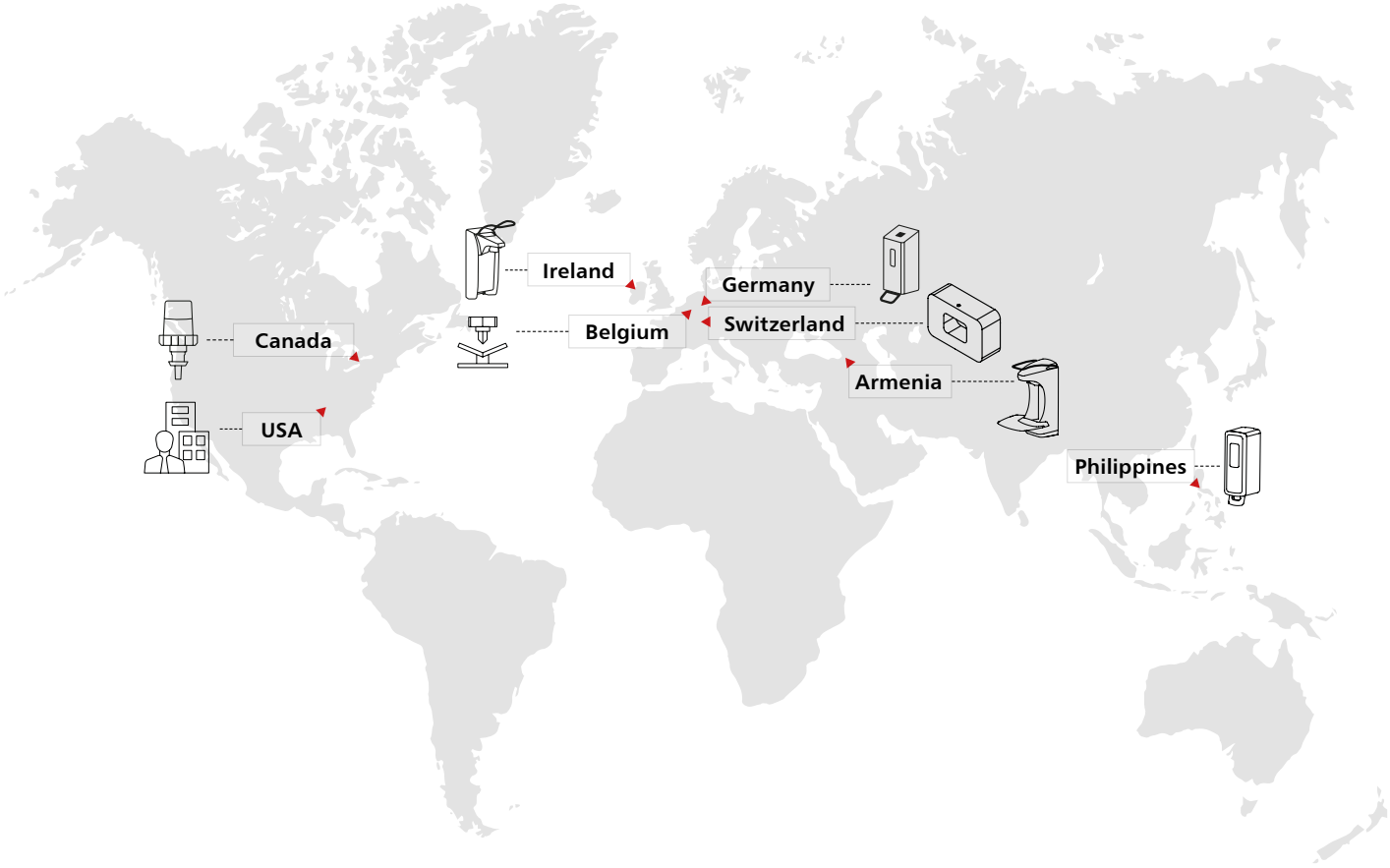
Our general terms and conditions apply.

Disclaimer

All descriptions, technical specifications and explanations, as well as product illustrations have been compiled by us with the utmost care. However, we cannot accept any liability for typesetting and printing errors, technical changes to the products, or the comprehensiveness of the information. In addition, the general catalog contains links to external sources over whose content we have no influence and therefore assume no liability as well.

Further information at www.ophardt.com

BREAK THE CHAIN OF INFECTION



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