

THE BRAND FOR WATER



The SYR  
product solutions for  
modern drinking water  
management

Professional technology for standard-conforming safety

**Drinking water valves:**  
from leakage protection  
to water conditioning

TRUSTED BRAND QUALITY



## Mature products for top drinking water

At SYR, we develop strategies and product solutions that put holistic technological water expertise into practice. Our products help to make the drinking water supply in building services cleaner, safer, more economical - and more convenient.

Our product design is always state-of-the-art and updated on a continuous basis. The SYR CONNECT system brings smart intelligence to domestic installations with valves that can be operated and controlled using the SYR app.

Of course, all SYR valves meet the current standards and regulations and are tested and approved: Brand quality you can trust.

## Smart safety in domestic installations

### The SYR CONNECT system

The proven, top quality technology of SYR valves combined with smart control electronics: this is SYR CONNECT, our easy-to-install, clear communication network. It can be extended by further CONNECT devices at any time, without additional cables. Thanks to internet-supported swarm intelligence (ISI), the CONNECT products can be connected to each other and controlled centrally.

The new SYR CONNECT products feature built-in wireless connections. Of course, the SYR CONNECT valves and devices also perform reliably without an active internet connection - however, you can only access all parameters and functions via the SYR app in online mode. The app allows you to manage, control and monitor all SYR CONNECT devices. If they are connected to the internet, users are notified via push message and email. Product information and instructions can always be viewed and downloaded.



Identify products from the SYR CONNECT system with this icon. They are internet-compatible and controllable via the SYR app.



The SYR CONNECT system has been awarded the Smart Home Award and has received the SySS security certificate.





## Ticking time bomb - Pipeline water damage is imminent

According to the Gesamtverband der Deutschen Versicherungswirtschaft e.V. (German Insurance Association), there is one tap water damage every 30 seconds in Germany on average due to leaking connections, porous seals, leaking potable water heaters or corroded copper pipes including burst pipes. Water damage cannot be completely prevented - but its consequences can be reduced to a minimum.

Water damage often occurs in secret and is only discovered once the moisture has already spread over a large area and health-threatening mould growth is rampant. We at SYR offer internet-enabled leakage detection systems to protect you from the expensive consequences of water damage. Thanks to the built-in Wi-Fi, our valves can be connected and controlled via smartphone and tablet using the SYR app.

## TRIO DFR/LS Connect

Water filter, pressure reducer and internet-enabled leak protection - all in one

The SYR TRIO DFR/LS Connect combines a backwashable water filter, a pressure reducer and an intelligent leak protection system in one compact unit. It continuously and reliably monitors the installation to help prevent water damage. The TRIO DFR/LS is also the ideal leak protection solution where a water filter is already installed: simply loosen the screws, remove the existing filter and flange-mount the TRIO. Done.

As part of the SYR CONNECT system, the TRIO DFR/LS is Wi-Fi enabled, features a LAN connection and is controlled via the SYR app. Fast installation and three integrated functions ensure enhanced safety and everyday comfort.



### TRIO DFR/LS Connect



- Prevents pitting and general corrosion
- Reliably filters foreign particles from drinking water
- Powerful backwash system with impeller technology
- Reliably regulates water pressure
- Complete pressure-reducing cartridge for fast and easy maintenance
- Wi-Fi and LAN enabled
- Control and monitoring via the SYR app
- Notifications via push message and/or email (online mode)
- Provides reliable protection against costly water damage and water waste
- Self-learning leak protection system
- Multiple user profiles configurable
- Can be linked with NeoSoft Connect water softening systems and/or SafeFloor Connect floor sensors
- Compatible with the SYR flange system (DN 20 to 32)



Film

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**Backwash filter.** The highly effective water filter reliably filters foreign particles from drinking water and prevents pitting and general corrosion. The TRIO DFR/LS Connect features a powerful backwash system for consistent performance.

**Pressure reducer.** The pressure reducer helps save water without loss of comfort and reliably regulates water pressure. Thanks to the integrated complete pressure-reducing cartridge, maintenance is quick and easy.

**Leak protection.** The leak protection system continuously monitors the domestic water installation, protects against costly water damage and detects micro-leaks. A self-learning phase simplifies operation, and multiple user profiles can be configured.

**Connect functionality.** The TRIO DFR/LS Connect is Wi-Fi and LAN enabled and controlled via the SYR app. In online mode, users receive notifications via push message and/or email. The TRIO can be linked with NeoSoft Connect water softening systems and SafeFloor Connect floor sensors.

**Connection.** The TRIO DFR/LS Connect is compatible with the SYR flange system and the NeoSoft Connect sandwich flange. The scope of delivery includes a flange gasket, hex socket screws for flange mounting, an installation tool and a power supply unit.



## SafeTech Connect SafeTech+ Connect



- Built-in Wi-Fi
- Intelligent self-learning phase
- Control/monitoring via SYR app
- Push notifications/emails in online mode
- Monitoring during holidays and special absence function
- Can be connected to the SafeFloor Connect floor sensors
- Emergency unlocking function
- In case of power failure, battery-driven emergency operation
- Determines range of water hardness (conductivity), measures water pressure and water temperature
- SafeTech+ Connect: can be combined with the SYR DRUFI to form a leakage protection filter unit



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## Connected leakage protection SafeTech, SafeTech+ and SafeFloor

High-quality mechanical engineering, intelligent technology and convenient handling: The SYR team for leakage protection with the SafeTech, Safe-Tech+ and SafeFloor floor sensor reliably protects you from expensive consequential damage caused by water leaks, moisture and frost.

Besides reliable leakage protection, the latest generation of SYR leakage protection devices excels with its water management qualities. The SafeTech and SafeTech+ Connect adjust their safety levels to the individual water consumption and determine the water hardness - an important feature because limescale can be very dangerous for domestic installations. The SafeTech+ Connect also offers a connection option for the DRUFI drinking water filter.

The SafeFloor Connect floor sensor is the perfect complement to your leakage protection devices. It is placed where water leakage may occur or room temperature or air humidity values can reach critical levels.

## SafeFloor Connect

- Built-in Wi-Fi
- Control/monitoring via SYR app
- Push notifications/emails in online mode
- Used in critical places or wherever intensive monitoring is required
- Measures humidity, room temperature and water leaks.
- LED signals and warning sounds
- Can be connected to
  - SafeTech Connect
  - SafeTech+ Connect
  - TRIO DFR/LS Connect
  - LEX Plus 10 SL Connect soft water system with leakage protection

The connected leakage protection devices immediately shut off the line in the event of a water leak.



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## SafeFloor Connect floor sensor Smart sensor with rapid alert function

### Detects water leaks

The SafeFloor Connect is located at places of potential water leaks and wherever critical values can occur. When it detects wetness, it notifies water damage: An LED on the device flashes, a warning sound goes off and you will receive a push notification on your mobile device. If the SafeTech Connect has also been mounted and connected, the water supply will be cut off immediately.

### Detects risks of frost

The SafeFloor Connect monitors the room temperature. If critical values are reached that could cause pipes to freeze and burst, you will be informed via push notification.

### Detects critical humidity levels

Excessive humidity levels can lead to mould formation; if the air is too dry, it may irritate the airways: If the regular monitoring shows critical levels over an extended period of time, the SafeFloor Connect will also send a message.



## SafeTech and SafeTech+ Connect

### Leakage protection + water management

#### Individual security

In the self-learning phase, the SafeTech Connect and SafeTech+ Connect register your consumption habits and adjust the settings accordingly so that you can enjoy optimum safety without any loss in terms of comfort. The SafeTech checks water volumes per draw-off operation several times a day and determines a value for your presence and one for your absence. You may also set a time span during which water is allowed to run. All settings can be retrieved and modified via the SYR app.

#### Detects pipe damage, interrupts supply of water

In the event of a pipe burst, large amounts of water leak out immediately. The SafeTech and SafeTech+ Connect detect unusually high water flows that occur within very short time spans and isolate the pipe system. The time till shut-off depends on your respective device setting. We therefore recommend that you install an additional SafeFloor Connect at critical locations. Irrespective of the selected setting, it will detect local leaks and notifies the leakage protection device thereof - which then shuts off the water supply!

#### Detects microleakage

Even the smallest amounts of water that leak unnoticed over months can cause costly damage to walls, floors and ceilings. The two SafeTech models detect such microleakage thanks to a special technology, even below the preset thresholds. In case of increased derogations, the devices notify the presence of potential microleakage.

#### Determines water hardness

The SafeTech and SafeTech+ Connect automatically determine water hardness. Excessive lime levels in the water cause trouble: Limescale occurs in household appliances, persistent and annoying stains on glass and tiles materialise, pipes clog up. Now it's time to react - installing a SYR water softening system prevents excessive limescale deposits from causing damage to the installation and increasing energy costs.

#### Benefits of the SYR CONNECT system

Example: If the LEX Plus 10 Connect Water Softener needs water for regeneration, the connected SafeTech Connect leakage protection releases the corresponding amount.

Example: The LEX Plus 10 SL with built-in leakage protection shuts off the water supply when the connected SafeFloor Connect floor sensor reports a water leakage.

SafeTech Connect

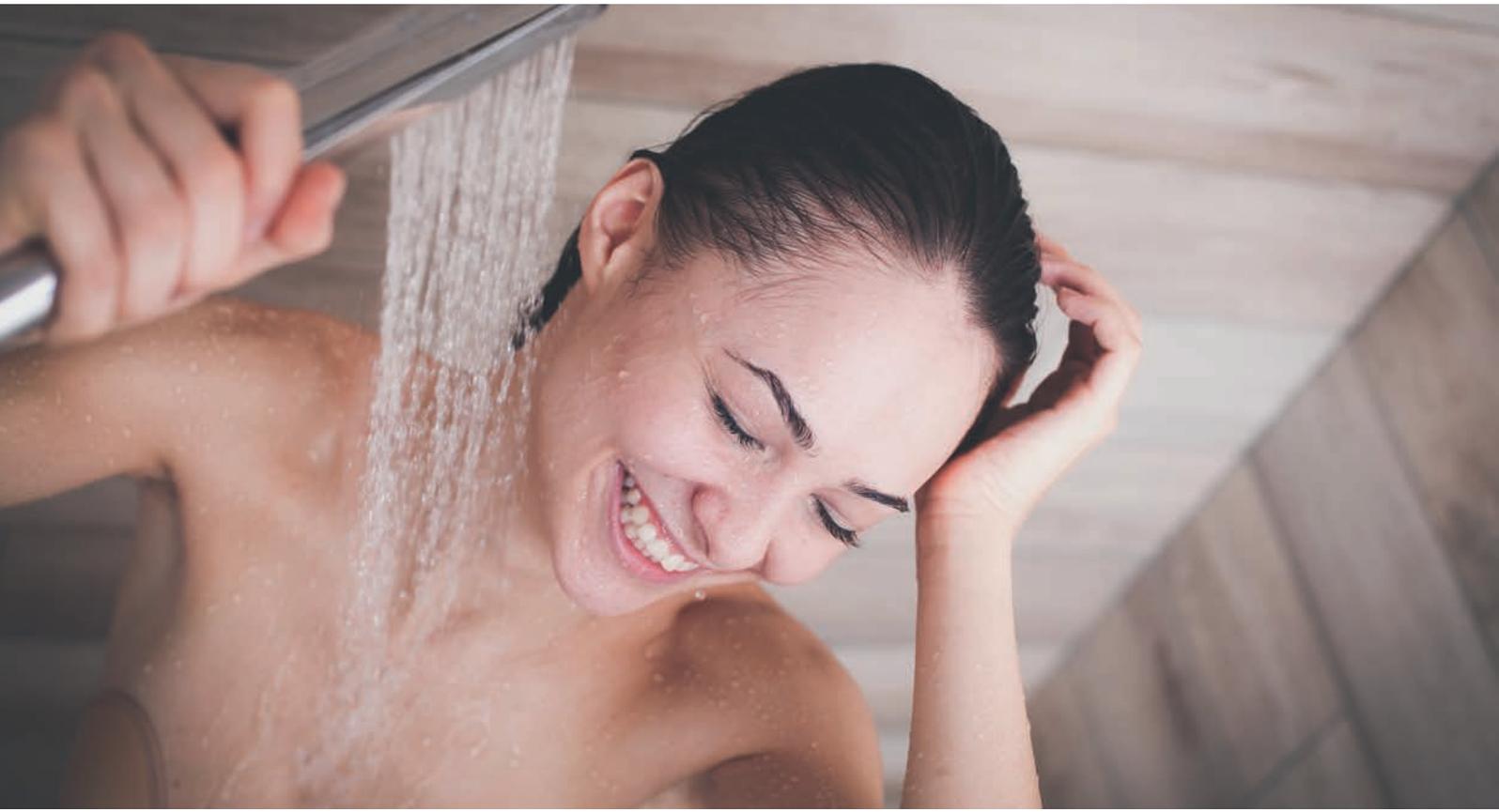


SafeTech+ Connect



SafeFloor Connect





## Noticeable **beauty**. Tangible **softness**. Visible **shine**.

The quality of drinking water is not affected by the degree of hardness, but in everyday life it makes a big difference whether the drinking water is soft or hard. Lime deposits reduce the life of hot water appliances (heat transfer surfaces and heat generators) and increase costs: a limescale layer of a mere millimetre can increase energy consumption by more than 10 percent. The pipes of your drinking water installation become increasingly clogged - with the risk of complete blockage.

Soft water is tangible and increases the well-being. Softened water is the essential basis for healthy skin and shiny hair. Experience noticeably soft water up-close, with the SYR Water Softeners.

SYR offers sophisticated solutions for soft water, lower energy costs and protection against limescale, precisely matched to the water of the respective region.

## The LEX Plus 10 Connect Series

The LEX Plus 10 Connect water softening systems deliver consistently soft water using efficient descaling technology based on the ion exchange process. They operate reliably, continuously and economically. The systems can be connected to the internet via LAN or Wi-Fi and are controlled using the SYR app.

Commissioning is semi-automatic. The touch display features a clear, intuitive menu that guides users step by step through the setup process. If water consumption increases and softening capacity runs low, the intelligent control system initiates regeneration early to prevent hardness breakthrough – without any loss of comfort.

### Space-saving unit

The LEX Plus 10 S features a sandwich connection fitting, allowing a DRUFI or TRIO DFR/LS to be flange-mounted.

### Leak protection with filter connection

The LEX Plus 10 SL, equipped with a leak protection module, also allows a DRUFI drinking water filter to be flange-mounted. The SafeFloor floor sensor is the ideal complement to the leak protection system.

### Double capacity

Using the optional double connection flange, two LEX Plus 10 Connect base models can be connected together, doubling both performance and capacity.

#### LEX Plus 10 Connect Base Model

- Wi-Fi and LAN enabled
- Control and monitoring via the SYR app
- Push notifications and emails (online mode)
- Semi-automatic commissioning
- Protects the domestic installation from limescale
- Intuitive operation via touch display
- Salt-saving regeneration and illuminated salt container
- Flexible installation options
- Compatible with the SYR universal flange (DN 20 to 32)
- Including drain funnel

#### LEX Plus 10 S Connect Space-Saving Model

- + Sandwich connection fitting with union valve for mounting a DRUFI or TRIO DFR/LS

#### LEX Plus 10 SL Connect Comfort Model

- + Sandwich connection fitting with union valve for mounting a DRUFI
- + Integrated leak protection module



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# The New Art of Softening

## The NeoSoft Connect Series

**State-of-the-art water treatment.** From sleek design and reliable, efficient technology to easy commissioning and intuitive operation – the NeoSoft 2500, 5000 and 8000 Connect systems represent our smart top-of-the-line water softeners.

**Connected expertise.** This intelligent combination brings together the SYR universal flange, the TRIO DFR/LS Connect backwash filter with pressure reducer and leak protection, the NeoSoft Connect, the NeoDos Connect dosing pump, and the SafeFloor Connect floor sensor. All components are linked and controlled via the SYR app.



### Benefits of All Three Models

- Fully pre-assembled unit
- Wi-Fi and LAN enabled
- Control and monitoring via the SYR app
- Push notifications and emails (online mode)
- Automatic operating mode adjustment
- Hardness test kit for raw water measurement during commissioning
- Torsion-resistant plug-in system
- Sandwich connection flange for SYR universal flange DN 20-32 and TRIO DFR/LS, DRUF1+, SafeTech+
- Illuminated salt tank
- Soft-close lid
- LED status indicator
- Connection for NeoDos Connect dosing pump
- Triple funnel siphon included

### NeoSoft 2500 Connect **Single Unit**

- + Patented single-hose system
- + Raw water sampling valve
- + 4.2" touchscreen
- + Salt level indicator

### NeoSoft 5000 Connect **Double Unit**

- + 24-hour soft water supply
- + Sampling valves for raw and softened water
- + 7" touchscreen with swipe function
- + SafeFloor Connect floor sensor included

### NeoSoft 8000 Connect **Parallel Double Unit**

- + Two parallel double units
- + Two SafeFloor Connect floor sensors included



Film 2500 Film 5000

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## Fast Installation, intuitive Operation – NeoSoft!

### Proven softening technology

The NeoSoft Connect systems use the ion exchange process: hardness-causing calcium and magnesium ions are exchanged for sodium ions, delivering reliably soft water.

### Automatic operating mode

The integrated turbine continuously measures water consumption, ensuring the system always operates in the most efficient mode. Whether ECO, STANDARD, or POWER, the active mode is displayed in green on the touchscreen.

### Intuitive touchscreen

Clear displays guide the user through every process, with informative graphics showing all relevant information.

### Smart connectivity

When connected via Wi-Fi or LAN, the NeoSoft Connect can be controlled through the SYR app. Users receive push notifications and/or emails. A logbook, usage statistics (e.g., water consumption), and maintenance settings are all accessible directly on the device.

### Salt tank with soft-close lid

Refilling the salt tank is simple – opening the soft-close lid automatically activates the tank illumination.

### Fully pre-assembled unit

The flushing and overflow hoses are permanently connected, making installation fast and secure. The sandwich connection fitting attaches to the SYR universal flange for dual-side connection. Flexible, torsion-resistant hoses are then connected and secured. Connect the flushing and overflow hoses to the triple funnel siphon and fill with regeneration salt. The installation checklist confirms all steps are complete, then the touchscreen guides you through commissioning step by step.

### DIN-compliant wastewater connection

The included triple funnel siphon ensures high flow and a fast, DIN-compliant connection to the wastewater system.

### Flexible filter connections

Compatible with the TRIO DFR/LS Connect backwash filter with leak protection and the DRUFI+ backwash filters (up to DRUFI+ max). Easy maintenance via removable inspection points. Wastewater connection: DN 50.



NeoSoft 2500



NeoSoft 5000



NeoSoft 8000

## WATER CONDITIONING FOR PIPE PROTECTION



*When using a water softening system, we recommend a combination with the dosing pump NeoDos Connect to avoid an increased risk of corrosion.*

## Mineral dosing solutions against rust and lime

Our water suppliers reliably deliver drinking water of the highest quality right up to our homes. However, depending on the material used, undesirable reactions can occur in the installation: Corrosion and limescale in the water cause pitting in the pipes, damage household appliances, clog pipes and increase energy consumption. With the combination of the dosing pump NeoDos Connect and the dosing solutions DL 1 and DL 2, SYR offers effective solutions that comply with the legislation on additives and the drinking water directive.

*The DL dosing solutions contain phosphates and silicate combinations designed to protect drinking water systems. The special phosphates prevent corrosion and the formation of rusty water and stabilise the water hardness. The solutions are approved drinking water additives.*

*Phosphate is an essential mineral for the human body and occurs naturally in many foods. The phosphate used in the solutions complies with the strict specifications of DIN/EN and is of high purity.*

# NeoDos Connect Dosing Pump and DL 1 / DL 2 Solutions

## Precise dosing

The SYR NeoDos Connect electronically adds a tailored mineral combination to the water. This stabilises water hardness and forms a protective layer inside the pipes, preventing or stopping deposits and corrosion. A specialised turbine system ensures dosing is precisely adjusted to individual water consumption.

## Record, store, export

NeoDos Connect logs and stores all dosing data. Information can be accessed anytime via the SYR app, exported in HTML format, or saved to a USB stick connected to the pump's USB port.

## Tested and approved

The DL 1 and DL 2 dosing solutions are approved drinking water additives, complying with food law, additive regulations, and drinking water legislation. Both solutions are already successfully used by German water suppliers.

## NeoDos Connect



- Electronic precision control for dosing solutions into the drinking water system
- Wi-Fi enabled
- Control and monitoring via SYR app
- Operates online or offline (statistics and logs accessible)
- USB interface (connect a USB stick to save data)
- Online push notifications
- Mounting for DN 20, 25, and 32 (connection kit available as accessory)
- Compatible with NeoSoft water softening systems: connection kit included in NeoDos Connect packaging
- Compatible with LEX Plus 10 Connect series: connection kit available as accessory



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Phosphate are an essential mineral for the human body and naturally occur in many foods. The German Nutrition Society recommends a daily intake of around 550 mg for adults and up to 650 mg for children.

Adding phosphate to drinking water via dosing – for example, 100 mg per 1,000 litres – results in only 4 mg of phosphate per litre of water.



## The flushing station for **hygienically perfect drinking water**

The HygBox Connect from SYR with built-in Wi-Fi is an uncomplicated and inexpensive solution for its intended use in drinking water installations. This compact valve can be used for washbasins and laundry rooms, kitchen sinks as well as for commercial and small industrial applications. The HygBox Connect is easy to install, monitors the installation area and activates flushing as needed based on the set stagnation time or water temperature.

The HygBox Connect can be set and controlled via the built-in Wi-Fi using the SYR app. This is where major parameters such as flush intervals, number and time of actual flushes, the upper and lower temperature limit values, flushing intervals due to stagnation and the maximum flush volume can be set. Thanks to the connection within the SYR CONNECT system, it is possible to document and control the drinking water installation with all its built-in flushing stations at all times.

## HygBox Connect - On-Site Flushing Station

### Drinking water hygiene is a legal obligation

Ensuring the proper operation of a drinking water system is a legal responsibility for operators. The SYR HygBox Connect provides a fast, reliable and hygienically safe solution, particularly for existing buildings. Both operators and residents are protected: the growth of unwanted microbes is sustainably prevented, and compliance with drinking water regulations is maintained at all times.

### Easy on-site installation

The HygBox Connect can be installed at any standard washbasin or directly at water outlets – as a single unit or as a duo for hot and cold water. The compact fitting includes a water meter, monitors water temperature, and triggers a demand-based safety hygiene flush. The flush timing can be individually set.

### Data recording and export

Flush logs can be exported in HTML format and saved to a USB stick connected via the HygBox USB-C port.

### HygBox Connect

- Measures temperature, flow and pressure
- Triggers flushing automatically based on stagnation time or water temperature
- Wi-Fi enabled
- Control and monitoring via SYR app
- Operates online or offline (statistics and logs accessible)
- USB-C interface (connect a USB stick to save data)
- Push notifications and emails in online mode
- Suitable for new builds or retrofitting existing installations
- Easy wall-mounted installation
- Removable drain hoses with plug connection
- Battery-powered (optional mains operation)
- Can be installed as a single unit or as a duo (hot/cold)



Film

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## Effectively filter and protect domestic installations

Our drinking water is clean. Water companies observing the strict limit values and ensuring the high potable water quality see to it every single day.

However, on the way from the water supplier to your home, rust particles, metal chips, sand and other foreign substances from the pipework may get into the water. Foreign substances that may damage the domestic water installation. Therefore, drinking water filters according to DIN 1988/Part 200 are mandatory.

The SYR filter technology removes dirt particles, provides reliable purity, thus protecting the entire installation. By the way: We are the ones with the DRUFI - the filter system proven hundreds of thousands of times worldwide.

## The basis for your water management

### The DRUFI+ drinking water filter

Award-winning design and clever features – this is the SYR DRUFI+. Safe water pressure, clean water without dirt particles and reduced water consumption thanks to individually adjustable water-saving pressure settings. The DRUFI has proven itself hundreds of thousands of times worldwide and sets standards in filter technology.

Our DRUFI+ range offers intelligent features such as high flow rate, a powerful backwash system and ergonomically designed operating controls. The filter models are mounted in no time and offer perfect service comfort.

#### Two models for every installation situation and requirement

|            |  |
|------------|--|
| DRUFI+ FR  | Backwash filter                              |
| DRUFI+ DFR | Backwash filter with pressure reducing valve |

#### DRUFI+ Drinking Water Filters



- Prevent pitting and corrosion
- Award-winning design
- High flow rate
- Powerful backwash system
- Yellow operating elements
- Practical slider ring for maintenance reminders
- UV protection to prevent microbial growth
- Optional accessory: RSA automatic backwash, retrofittable without tools
- DVGW-certified safety
- Available for DN 20 to DN 32
- All models compatible with the SYR flange system



Film

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*The DRUFI+ and the SafeTech+ Connect: a compact filter/leakage protection unit*

*The DRUFI+ and the automatic backwash system RSA (can be retrofitted without tools): a convenient fully-automatic filter*

*The DRUFI+ and the water softening units LEX Plus 10 S and SL Connect: installation-friendly and space-saving units.*



### DRUFI+ max DFR und FR

- Prevent pitting and corrosion
- Award-winning design
- High flow rate
- Highly efficient backwash system
- Yellow operating elements
- Practical sliding ring as a service reminder
- UV-protection against microbial growth
- Accessories: automatic backwash system RSA, no tools required for retrofitting
- DVGW-tested safety
- From DN 32 to DN 50
- Fit on the SYR universal flange max



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## The powerful one: DRUFI+ max

For major challenges,  
from DN 32 to DN 50

With the DRUFI+ max, the SYR pressure reducing valve/ filter combination has also found its way into multi-family homes and the industry. The DRUFI+ max is our power program and comes in connection sizes DN 32 to DN 50 and with an admissible operating pressure of up to 16 bar.

### Powerful filter type in two versions

The DRUFI+ max is available in two powerful versions: as the DRUFI+ max DFR – pressure reducing valve with backwash filter – with an adjustable outlet pressure of 1.5 bar to 6 bar as well as with pressure gauges 25 bar and 10 bar; and as the DRUFI+ max FR – backwash filter without pressure reducing valve.

The two „Max“ versions are easy to install anywhere: with the universal flange max in sizes DN 32, DN 40 and DN 50. The flange provides a connection for an inlet pressure gauge.

### Service-friendly detail

You can set and read the time for the next backwash on the date display.

### Convenient retrofitting

The DRUFI+ max can be upgraded into a fully-automatic filter with the RSA backwashing system available as an accessory. Easy and fast assembly, no tools required.



## Robust backwash filter SYR DUO

### Starter model of the SYR filter program

The compact, backwash filter SYR DUO comes with two benefits in one valve: top, reliable SYR quality and an exemplary price-performance ratio. Thus, the DUO is a high-quality alternative to the cartridge filter.

The robust DUO backwash filter dependably protects the domestic installation from foreign particles and guarantees reliably clean water. The DUO is delivered completely pre-assembled with the SYR connection flange, so that the installation of the compact valves is easy. With the 360 degree rotatable flange, the SYR DUO works in all mounting positions.

The SYR DUO is available as the FR (manual backwash filter) and as the DFR (manual backwash filter with pressure reducing valve).

The special cascade-shaped filter technology keeps the filter cup small and the valve compact. The DUO is thus suitable for the protection of single appliances such as dishwashers and drinking water heaters.



#### DUO DFR and FR

- Prevention of malfunctions caused by particles from the pipework
- Perfectly clean water
- Fulfilment of DIN standards
- Protection of the installation against damage due to pressure variations
- Protection against pitting and corrosion
- Flange rotatable by 360°
- Click-fix-system for fast and flexible pressure adjustment
- Easy connection thanks to the rotatable flange system
- DVGW-tested safety
- Flange included



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#### The Click-fix-System

The DFR version with pressure reducing valve features the clever „click-fix-system“: The pressure reducing valve can be easily removed, adjusted and clicked back in. The DUO DFR is supplied with a pressure gauge.

#### Practical advantage

You can set the date for the next backwash due on the small blue wheel on top of the valve.

# LEAKAGE PROTECTION



## TRIO DFR/LS Connect

|                            |  |
|----------------------------|--|
| Max. operating pressure    | 16 bar   |
| Max. operating temperature | 30 °C  |
| Ambient temperature        | 10 to 60 °C  |
| Medium                     | drinking water   |
| Start-up flow rate         | 3 litres/h   |
| Flow rate (DIN EN 1567)    | DN 20<br>DN 25<br>DN 32  |
|                            | 2,3 m³/h at Δp 1,1 bar<br>3,6 m³/h at Δp 1,1 bar<br>3,6 m³/h at Δp 1,1 bar |
| Flow rate (DIN 3553)       | DN 20<br>DN 25<br>DN 32  |
|                            | 3,2 m³/h at Δp 1,0 bar<br>3,3 m³/h at Δp 1,0 bar<br>3,3m³/h at Δp 1,0 bar  |
| Voltage power supply       | 5V / DC  |
| Protection class           | IPX3   |
| Battery                    | 4 x 1,5V AA (LR6)  |
| Standard radio protocol    | WLAN 2,4 GHz, WPA/WPA2   |
| Mounting position          | any, with angle tundish (accessories) also horizontal                      |
| Serial no.                 | 2425.00.000  |



## SafeTech Connect Leak Protection

|                                |   |
|--------------------------------|---|
| Min. / Max. operating pressure | 2 bar / 16 bar  |
| Max. operating temperature     | 60 °C   |
| Medium                         | drinking water  |
| Mounting position              | any   |
| Flow rate                      | DN 20<br>DN 25<br>DN 32   |
|                                | 6.4m³/h at Δp 1.0 bar<br>7.3 m³/h at Δp 1.0 bar<br>7.7 m³/h at Δp 1.0 bar |
| Voltage power supply           | 12V DC  |
| Battery                        | 1 x 9V Block (6LR61)  |
| Standard radio protocol        | WLAN 2,4 GHz<br>WPA/WPA2  |
| Network support                | TCPIP/IPv4  |
| Protection class               | IPX3  |
| Serial no.                     | DN 20<br>DN 25<br>DN 32   |
|                                | 2422.20.200<br>2422.25.200<br>2422.32.200                                 |



## SafeFloor Connect floor sensor

|                         |                         |
|-------------------------|-------------------------|
| Standard radio protocol | WLAN 2,4 GHz / WPA/WPA2 |
| Battery                 | 2 x AA 1,5 Mignon       |
| Network support         | TCPIP/IPv4              |
| Protection class        | IPX 4                   |
| Serial no.              | 2422.00.200             |



## SafeTech+ Connect

|                            |  |
|----------------------------|--|
| Max. operating pressure    | 10 bar   |
| Max. operating temperature | 60 °C  |
| Ambient temperature        | 10 to 60 °C  |
| Room temperature           | 5 to 50 °C   |
| Medium                     | drinking water   |
| Flow rate                  | DN 20<br>DN 25<br>DN 32  |
|                            | 5.2 m³/h at Δp 1.0 bar<br>5.7 m³/h at Δp 1.0 bar<br>6.0 m³/h at Δp 1.0 bar |
| Voltage power supply       | 12V DC   |
| Battery                    | 1 x 9V Block (6LR61)   |
| Standard radio protocol    | WLAN 2,4 GHz / WPA/WPA2  |
| Network support            | TCPIP/IPv4   |
| Serial no.                 | 2422.00.010  |

# WATER SOFTENING SYSTEM

Please order regeneration salt as well.

## NeoSoft 2500 Connect

|                                   |                         |             |
|-----------------------------------|-------------------------|-------------|
| Operating pressure                | min. 2 bar, max. 8 bar  |             |
| Nominal pressure                  | max. 10 bar             |             |
| Operating temperature             | min. 5 °C, max. 25 °C   |             |
| Ambient temperature               | min. 5 °C, max. 35 °C   |             |
| Medium                            | drinking water          |             |
| Storage salt tank                 | 40 kg                   |             |
| Resin quantity                    | 7,5 Liter               |             |
| Nominal capacity                  | Eco                     | 8 m³ x °dH  |
|                                   | Standard                | 15 m³ x °dH |
|                                   | Power                   | 22 m³ x °dH |
| Salt consumption per regeneration | 0,2 - 0,95 kg           |             |
| Power supply                      | 230V / 50 Hz / 6 W      |             |
| Nominal flow DIN 14743            | 1,5 m³/h bei Δp 1,0 bar |             |
| DIN 19636 from 20 °dH to 8 °dH    | 2,3 m³/h bei Δp 1,0 bar |             |
| Pressure loss at nominal flow     | 1,0 bar                 |             |
| Max. number of residential units* | 1 to 3                  |             |
| Serial no.                        | 2500.00.000             |             |



## NeoSoft 5000 Connect

|                                   |                        |                 |
|-----------------------------------|------------------------|-----------------|
| Operating pressure                | min. 2 bar, max. 8 bar |                 |
| Nominal pressure                  | max. 10 bar            |                 |
| Operating temperature             | min. 5 °C, max. 25 °C  |                 |
| Ambient temperature               | min. 5 °C, max. 35 °C  |                 |
| Medium                            | drinking water         |                 |
| Storage salt tank                 | 35 kg                  |                 |
| Resin quantity                    | 2 x 5 Liter            |                 |
| Nominal capacity                  | Eco                    | 2 x 5 m³ x °dH  |
|                                   | Standard               | 2 x 10 m³ x °dH |
|                                   | Power                  | 2 x 15 m³ x °dH |
| Salt consumption per regeneration | 0,3 - 1,2 kg           |                 |
| Power supply                      | 230V / 50 Hz / 6 W     |                 |
| Nominal flow DIN 14743            | 3 m³/h bei Δp 1,0 bar  |                 |
| DIN 19636 from 20 °dH to 8 °dH    | 4 m³/h bei Δp 1,0 bar  |                 |
| Pressure loss at nominal flow     | 1,0 bar                |                 |
| Max. number of residential units* | 1 to 8                 |                 |
| Serial no.                        | 5000.00.000            |                 |



## NeoSoft 8000 Connect

|                                   |                        |                 |
|-----------------------------------|------------------------|-----------------|
| Operating pressure                | min. 2 bar, max. 8 bar |                 |
| Nominal pressure                  | max. 10 bar            |                 |
| Operating temperature             | min. 5 °C, max. 25 °C  |                 |
| Ambient temperature               | min. 5 °C, max. 35 °C  |                 |
| Medium                            | drinking water         |                 |
| Storage salt tank                 | 2 x 35 kg              |                 |
| Resin quantity                    | 2 x 10 Liter           |                 |
| Nominal capacity                  | Eco                    | 2 x 10 m³ x °dH |
|                                   | Standard               | 2 x 20 m³ x °dH |
|                                   | Power                  | 2 x 30 m³ x °dH |
| Salt consumption per regeneration | 0,3 - 1,2 kg           |                 |
| Power supply                      | 230V / 50 Hz / 6 W     |                 |
| Nominal flow DIN 14743            | 6 m³/h bei Δp 1,0 bar  |                 |
| DIN 19636 from 20 °dH to 8 °dH    | 8 m³/h bei Δp 1,0 bar  |                 |
| Pressure loss at nominal flow     | 1,0 bar                |                 |
| Max. number of residential units* | 25                     |                 |
| Serial no.                        | 8000.32[40][50].000    |                 |



\* Short-term flow rate at which the ion exchanger can be operated.  
The nominal flow indicated may decrease in case of high water hardness.

# WATER SOFTENING SYSTEM

Please order regeneration salt as well.

## LEX Plus 10 Connect Series

|                                |  |
|--------------------------------|--|
| Operating pressure             | min. 2 bar, max. 8 bar                           |
| Operating temperature          | min. 5 °C, max. 30 °C                            |
| Ambient temperature            | min. 5 °C, max. 35 °C                            |
| Medium                         | drinking water                                   |
| Power supply                   | 230V / 50 Hz / 6 W                               |
| Nominal capacity               | 3.9 mol/m <sup>3</sup> / 22 m <sup>3</sup> x °dH |
| Nominal flow DIN 14743         | 1.5 m <sup>3</sup> /h                            |
| DIN 19636 from 20 °dH to 8 °dH | 2.3 m <sup>3</sup> /h                            |
| Pressure loss at nominal flow  | 1.0 bar  |

## LEX Plus 10 Connect

|               |       |             |
|---------------|-------|-------------|
| Serial no.    |       | 1500.01.010 |
| Double flange | DN 32 | 1500.32.000 |
|               | DN 40 | 1500.40.000 |
|               | DN 50 | 1500.50.000 |

## LEX Plus 10 S Connect

|            |             |
|------------|-------------|
| Serial no. | 1500.01.011 |
|------------|-------------|

## LEX Plus 10 SL Connect

|            |             |
|------------|-------------|
| Serial no. | 1500.01.012 |
|------------|-------------|



## LEX 1500 Connect Single Water softener

|   |                                 |                                 |                                 |                                  |
|---|---------------------------------|---------------------------------|---------------------------------|----------------------------------|
| Operating pressure                            | min. 2 bar, max. 8 bar          |                                 |                                 |                                  |
| Operating temperature                         | min. 5 °C, max. 30 °C           |                                 |                                 |                                  |
| Ambient temperature                           | min. 5 °C, max. 40 °C           |                                 |                                 |                                  |
| Medium  | Drinking water                  |                                 |                                 |                                  |
| Power supply                                  | 230V / 50 Hz / 6 W              |                                 |                                 |                                  |
| Flow rate at Δp 1,0 bar                       | LEX 40<br>3,0 m <sup>3</sup> /h | LEX 60<br>4,5 m <sup>3</sup> /h | LEX 80<br>5,0 m <sup>3</sup> /h | LEX 100<br>5,5 m <sup>3</sup> /h |
| Capacity exchanger resin (in m <sup>3</sup> ) | 80 x °dH                        | 120 x °dH                       | 160 x °dH                       | 3200 x °dH                       |
| Dimension                                     | DN 32                           | DN 32                           | DN 40                           | DN 50                            |
| Max. number of residential units*             | 15                              | 20                              | 25                              | 35                               |
| Serial no.                                    | LEX 40                          | LEX 60                          | LEX 80                          | LEX 100                          |
|   | 1500.00.040                     | 1500.00.060                     | 1500.00.080                     | 1500.00.100                      |



# WATER SOFTENING SYSTEM

Please order regeneration salt as well.

## LEX 1500 Connect Duplex Water softener

|   |                                 |                               |                                |                                 |
|---|---------------------------------|-------------------------------|--------------------------------|---------------------------------|
| Operating pressure                            | min. 2 bar, max. 8 bar          |                               |                                |                                 |
| Operating temperature                         | min. 5 °C, max. 30 °C           |                               |                                |                                 |
| Ambient temperature                           | min. 5 °C, max. 40 °C           |                               |                                |                                 |
| Medium  | Drinking water                  |                               |                                |                                 |
| Power supply                                  | 230V / 50 Hz / 6 W              |                               |                                |                                 |
| Flow rate at $\Delta p$ 1,0 bar               | LEX 40<br>6,0 m <sup>3</sup> /h | LEX 60<br>9 m <sup>3</sup> /h | LEX 80<br>10 m <sup>3</sup> /h | LEX 100<br>11 m <sup>3</sup> /h |
| Capacity exchanger resin (in m <sup>3</sup> ) | 160 x °dH                       | 240 x °dH                     | 320 x °dH                      | 400 x °dH                       |
| Dimension                                     | DN 32                           | DN 32                         | DN 40                          | DN 50                           |
| Max. number of residential units*             | 25                              | 40                            | 55                             | 65                              |
| Serial no.                                    | LEX 40                          | 1500.02.040                   |                                |                                 |
|   | LEX 60                          | 1500.02.060                   |                                |                                 |
|   | LEX 80                          | 1500.02.080                   |                                |                                 |
|   | LEX 100                         | 1500.02.100                   |                                |                                 |



## LEX T 1500 Connect Triple Water softener

|   |                                 |                                 |                                 |                                  |                                  |
|---|---------------------------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|
| Operating pressure                            | min. 2 bar, max. 8 bar          |                                 |                                 |                                  |                                  |
| Operating temperature                         | min. 5 °C, max. 30 °C           |                                 |                                 |                                  |                                  |
| Ambient temperature                           | min. 5 °C, max. 25 °C           |                                 |                                 |                                  |                                  |
| Medium  | Drinking water                  |                                 |                                 |                                  |                                  |
| Power supply                                  | 230V / 50 Hz / 6 W              |                                 |                                 |                                  |                                  |
| Flow rate at $\Delta p$ 1,0 bar               | LEX T1<br>5,0 m <sup>3</sup> /h | LEX T2<br>5,6 m <sup>3</sup> /h | LEX T3<br>9,0 m <sup>3</sup> /h | LEX T4<br>10,4 m <sup>3</sup> /h | LEX T5<br>12,5 m <sup>3</sup> /h |
| Capacity exchanger resin (in m <sup>3</sup> ) | 80 x °dH                        | 120 x °dH                       | 240 x °dH                       | 360 x °dH                        | 500 x °dH                        |
| Dimension                                     | DN 32                           | DN 32                           | DN 40                           | DN 50                            | DN 50                            |
| Max. number of residential units*             | 15                              | 40                              | 65                              | 100                              | 150                              |
| Serial no.                                    | T1 (3 x 20 litres)              | 1500.00.015                     |                                 |                                  |                                  |
|   | T2 (3 x 30 litres)              | 1500.00.025                     |                                 |                                  |                                  |
|   | T3 (3 x 60 litres)              | 1500.00.035                     |                                 |                                  |                                  |
|   | T4 (3 x 90 litres)              | 1500.00.045                     |                                 |                                  |                                  |
|   | T5 (3 x 125 litres)             | 1500.00.055                     |                                 |                                  |                                  |



\* Short-term flow rate at which the ion exchanger can be operated.  
The nominal flow indicated may decrease in case of high water hardness.



## DOSING PUMP / MINERAL SOLUTIONS

### Dosing pump NeoDos Connect

|                                    |                   |             |
|------------------------------------|-------------------|-------------|
| Nominal connection size            | DN 20, 25 and 32  |             |
| Working range acc. to DIN EN 14812 | 0.06 bis 6 m³/h   |             |
| Pressure loss at max. flow         | 0.6 bar           |             |
| Dosing capacity                    | 100 ml/ m³        |             |
| Medium                             | drinking water    |             |
| Power supply                       | 110-240V/50-60 Hz |             |
| Device voltage                     | 24V DC            |             |
| Serial no.                         | 3100.00.010       |             |
| Connection set                     | DN 20             | 3100.20.000 |
|                                    | DN 25             | 3100.25.000 |
|                                    | DN 32             | 3100.32.000 |
| Connection set for LEX+ series     | 3100.00.011       |             |

The connection set for NeoSoft Connect is included in the scope of delivery from NeoDos Connect



### SYR dosing solutions DL 1 / DL 2 covering all application scenarios

#### Hardness level 3

#### > 14 °dH for stabilisation of hardness

|                           |   |             |
|---------------------------|---|-------------|
| <b>DL 1</b>               | phosphate-containing, carbon activated silicate combination |             |
| <b>Benefit</b>            | Hardness stabilisation + corrosion protection               |             |
| <b>Dosing quantity</b>    | 100 ml/m³   |             |
| <b>Input at 100 ml/m³</b> | 2 g phosphate and 2 g silicate per m³                       |             |
| <b>Serial No.</b>         | 10 litres   | 3100.00.919 |
|                           | 5 litres  | 3100.00.921 |

#### Hardness level 1 to 2

#### < 14 °dH as corrosion protection and after water softeners

|                           |   |             |
|---------------------------|---|-------------|
| <b>DL 2</b>               | phosphate special combination                 |             |
| <b>Benefit</b>            | Corrosion protection + hardness stabilisation |             |
| <b>Dosing quantity</b>    | 100 ml/m³                                     |             |
| <b>Input at 100 ml/m³</b> | 3 g phosphate per m³                          |             |
| <b>Serial No.</b>         | 10 litres                                     | 3100.00.920 |
|                           | 5 litres                                      | 3100.00.922 |

### Overview of current and previous SYR dosing solutions

| NEW Dosing solutions | DL 1  |                               | DL 2  |   |
|----------------------|---|-------------------------------|---|---|
| Function             | Hardness stabilisation + corrosion protection |                               | Corrosion protection                                    |   |
| Range of application | > 14 °dH (WITHOUT softening)                  |                               | < 14 °dH (WITH softening)                               |   |
| Material             | Pipe material not relevant                    |                               | Pipe material not relevant                              |   |
|                      |   |                               |   |   |
| PREVIOUS Solutions   | H   | C                             | SW  | W   |
| Function             | Hardness stabilisation                        | Corrosion protection          |   |   |
| Range of application | Hardness stabilisation in hardness range 3    | Copper piping after softening | galvanized pipelines and aggressive water in hardness 1 | galvanized pipelines in hardness range 1 + 2 as well as mixed installations, after softening respectively |
| Material             | Pipe material does not matter                 | Copper                        | Galvanized piping and mixed installations               |   |

Attention: For existing dosing systems DP 1, DP 2 and DOS 1400 the previous dosing media H, C, SW and W must be used.

## FILTER TECHNOLOGY

### Drinking water filters DRUFI+ DFR / FR / DFF / FF

|                            |       |  |
|----------------------------|-------|--|
| Min. operating pressure    |       | 2 bar  |
| Max. operating pressure    |       | 16 bar   |
| Max. operating temperature |       | 30 °C  |
| medium                     |       | drinking water   |
| Flow rate                  | DN 20 | 2.3 m³/h at Δp 1.1 bar                                   |
| DFR / DFF                  | DN 25 | 3.6 m³/h at Δp 1.1 bar                                   |
|                            | DN 32 | 5.8 m³/h at Δp 1.1 bar                                   |
| Flow rate<br>FR / FF       | DN 20 | 3.0 m³/h at Δp 0.2 bar                                   |
|                            | DN 25 | 3.8 m³/h at Δp 0.2 bar                                   |
|                            | DN 32 | 3.9 m³/h at Δp 0.2 bar                                   |
|                            | DN 20 | 4.9 m³/h at Δp 0.5 bar                                   |
|                            | DN 25 | 6.1 m³/h at Δp 0.5 bar                                   |
|                            | DN 32 | 6.3 m³/h at Δp 0.5 bar                                   |
| Mounting position          |       | any, with angle tundish (accessories)<br>also horizontal |
| Mesh width                 | lower | 90 μm  |
|                            | upper | 125 μm   |
| ABP. no.                   | DFR   | P-IX 6952/I  |
|                            | FR    | P-IX 6951/I  |
|                            | DFF   | P-IX 6952/I  |
|                            | FF    | P-IX 6951/I  |
| Serial no.                 | DFR   | 2315.01.200  |
|                            | FR    | 2315.01.201  |
|                            | DFF   | 2315.01.202  |
|                            | FF    | 2315.01.203  |

### Drinking water filter DRUFI+ max DFR / FR

|                            |       |  |
|----------------------------|-------|--|
| Min. operating pressure    |       | 2 bar  |
| Max. operating pressure    |       | 16 bar   |
| Max. operating temperature |       | 30 °C  |
| medium                     |       | drinking water   |
| Flow rate DFR              | DN 32 | 5.8 m³/h at Δp 1.1 bar                                   |
|                            | DN 40 | 9.1 m³/h at Δp 1.1 bar                                   |
|                            | DN 50 | 14.0 m³/h at Δp 1.1 bar                                  |
| Flow rate FR               | DN 32 | 8.4 m³/h at Δp 0.2 bar                                   |
|                            | DN 40 | 9.0 m³/h at Δp 0.2 bar                                   |
|                            | DN 50 | 9.2 m³/h at Δp 0.2 bar                                   |
|                            | DN 32 | 13.0 m³/h at Δp 0.5 bar                                  |
|                            | DN 40 | 14.5 m³/h at Δp 0.5 bar                                  |
|                            | DN 50 | 15.0 m³/h at Δp 0.5 bar                                  |
| Mounting position          |       | any, with angle tundish (accessories)<br>also horizontal |
| Passage width              | lower | 90 μm  |
|                            | upper | 125 μm   |
| ABP. no.                   | DFR   | P-IX 7565/I (DN 32)                                      |
|                            | FR    | P-IX 7564/I (DN 32)                                      |
| Serial no.                 | DFR   | 2315.01.202  |
|                            | FR    | 2315.01.203  |

### Automatic backwash system RSA 2316

All backwashable DRUFI+ drinking water filters can be retrofitted with the automatic backwash system RSA to become fully automatic, no tools required without the use of tools.

Serial No. 2316.00.200



## FILTER TECHNOLOGY

### Drinking water filter DUO DFR / FR

|                            |                                  |  |
|----------------------------|----------------------------------|--|
| Min. operating pressure    |                                  | 2 bar  |
| Max. operating pressure    |                                  | 16 bar   |
| Max. operating temperature |                                  | 30 °C  |
| medium                     |                                  | drinking water   |
| Flow rate DFR              | DN 20 (R ¾)<br>DN 20 (R 1)       | 2.3 m³/h at Δp 1.1 bar<br>2.3 m³/h at Δp 1.1 bar   |
| Flow rate FR               | DN 20<br>DN 25<br>DN 20<br>DN 25 | 1.4 m³/h at Δp 0.2 bar<br>2.3 m³/h at Δp 0.2 bar<br>2.3 m³/h at Δp 0.5 bar<br>3.6 m³/h at Δp 0.5 bar |
| Mounting position          |                                  | any (through rotary flange)  |
| Passage width              | lower<br>upper                   | 90 µm<br>125 µm  |
| ABP. no.                   | DFR<br>FR                        | P-IX 6738/I<br>P-IX 6737/I   |
| Serial no.                 | DFR<br>DN 20<br>DN 25            | 2314.20.000<br>2314.25.000   |
|                            | FR<br>DN 20<br>DN 25             | 2314.20.001<br>2314.25.001   |

### Compact filter POU max 7315

|                            |                            |
|----------------------------|----------------------------|
| Operating pressure         | max. 10 bar                |
| Connection size            | DN 10                      |
| Max. operating temperature | 30 °C                      |
| medium                     | drinking water             |
| nominal flow               | 200 l/h at Δp 1.0 bar      |
| Capacity                   | approx. 7.500 litres*      |
| Serial no.<br>with tap     | 7315.10.005<br>7315.10.006 |

\* depending on the water composition



## DRINKING WATER HYGIENE

### Flushing station HygBox Connect

|                            |   |
|----------------------------|---|
| Operating pressure         | 1 to 10 bar                                     |
| Max. operating temperature | 60 °C (approved for thermal disinfection 80 °C) |
| Medium                     | drinking water                                  |
| Flow rate                  | 2.0 m³/h at Δp 1.0 bar                          |
| Voltage power supply       | 12V DC  |
| Battery                    | 4 x LR6 AA                                      |
| Protection class           | IPX4  |
| Serial no.                 | 2622.15.000                                     |



## THE SYR FLANGE SYSTEM

The SYR flange range is well thought-out and perfectly matched to the respective products. All flanges can be installed in horizontal and vertical pipes.

### Universal flange

|            |       |        |             |
|------------|-------|--------|-------------|
| Serial no. | DN 20 | Thread | 2315.20.200 |
|            | DN 25 | Thread | 2315.25.200 |
|            | DN 32 | Thread | 2315.32.200 |



### Universal flange max

|            |       |        |             |
|------------|-------|--------|-------------|
| Serial no. | DN 32 | Thread | 2315.32.201 |
|            | DN 40 | Thread | 2315.40.201 |
|            | DN 50 | Thread | 2315.50.201 |



WE KEEP SMART THINGS SIMPLE

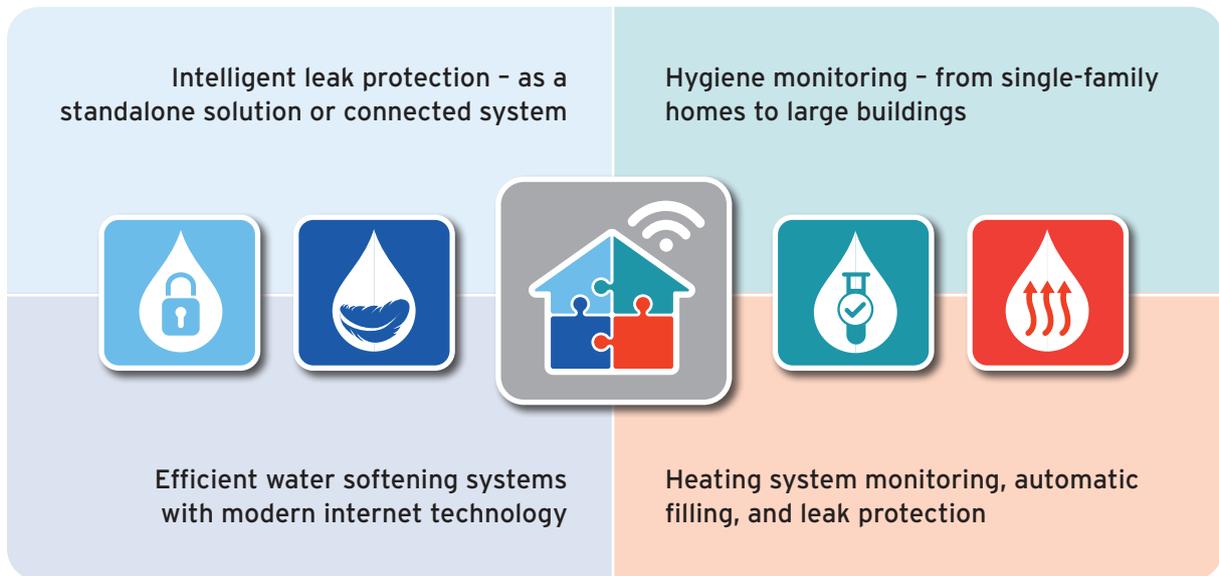


# Drinking water installation with SYR CONNECT

The SYR CONNECT system makes home installation safety smart and effortless. In the areas of leak protection, water treatment, hygiene monitoring, and heating system supervision, the relevant products are controlled and monitored via the SYR app on smartphone or tablet, or via a browser on a PC. Thanks to internet-enabled swarm intelligence (ISI), SYR CONNECT products can even be linked and centrally managed, offering seamless, coordinated control.



The SYR CONNECT system has been awarded the SySS safety certification.



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