Technical Information
Cleanfit CPA871
Flexible retractable process assembly for water, wastewater, chemical industry and heavy industry

Application
Cleanfit CPA871 is a flexible process retractable assembly for applications with standard 12 mm sensors for pH and redox.

The assembly was developed to guarantee maximum safety in:
- Water and wastewater including sea water
- Chemical industry
- Oil and gas
- Electricity and energy
- Hazardous areas
- Primaries and metals

Your benefits
- Maximum operational safety: Intelligent functions ensure that the assembly is not inserted into the process without the sensor or unintentionally retracted from the process if the assembly is in measuring position.
- Suitable for demanding applications: The optional immersion chamber eliminates problems associated with media that form buildup.
- Robust assembly design: The metallic support housing ensures that the service chamber is mechanically stable.
- Flexible in adapting to your process: A wide range of process connections and materials in contact with the medium; for corrosive media and hazardous areas also.
Function and system design

Mode of operation

With the Cleanfit CPA871 retractable assembly, you can carry out pH, ORP and other measurements reliably using suitable sensors. You can remove, clean, sterilize or calibrate/adjust the sensors without interrupting the process.

The assembly can be installed in both vessels and pipes.

The assembly is open to the process during insertion/retraction; the rinse connections must either be pipe-fitted or sealed.

The assembly has a pin seal. This seals the assembly from the process in the relevant limit position.

Process seal
Cleanfit CPA871

Design

The retractable assembly has a modular design and can therefore be flexibly adapted to a wide array of applications. It is available with both a manual and a pneumatic drive.

A choice of two chamber systems is available for the assembly:
- Standard version or
- Immersion chamber version

It is possible to choose between the following strokes for the electrode guide:
- 36 mm for standard version and immersion chamber version
- 78 mm for standard version

All common process connections are available:
Clamp/flange EN1092-1/flange ASME B16.5/flange JIS B2220/dairy fitting/thread

Safety function

Locking mechanism without sensor
If the sensor is not installed, it is not possible to pneumatically or manually move the assembly from the service position to the measuring position.

Manual or pneumatic drive
The sensor can be driven both manually and pneumatically. The manual drive has a self-retaining thread to hold the sensor in any intermediate position. The manual drive can be used for process pressures up to 8 bar (116 psi). The pneumatic drive can be used for process pressures up to 16 bar (232 psi).

Limit position locking if compressed air fails
If the compressed air fails in pneumatic assemblies, the assembly remains in the position previously selected. The process pressure cannot force it out of the measuring position and into an intermediate position.

Limit position locking with manual drive
For position locking, the manual version has an unlocking button in both the measuring position and the service position.

Impossible to remove sensor in the measuring position
The protection cap for covering the sensor has the following functions:
- Mechanical sensor safety
- Prevents sensor removal in the assembly measuring position

The bottom part of the protection cap is partly inserted into the drive and cannot be opened as a result.

Non-rotating sensor guide
During insertion/retraction, the position of the ridges of the immersion tube in the area of the sensor head retains the pre-setting once selected. This guarantees optimum and clear positioning of the sensor in the process and during cleaning.

Limit position detection (can be retrofitted)
In the case of assemblies with a pneumatic drive, the service and measuring position of the sensor are detected inductively and reported to connected systems (only for the measuring position in the case of the manual drive assembly).
Elements

The assembly is available with a manual or pneumatic drive.

Assembly with manual drive (without protection cap)

1 Rinse connection
2 Connection for limit position switch
3 Manual drive (fulcrum shaft)
4 Unlocking button (service position)
5 Fastening ring for protective cap
6 Unlocking button (measuring position)
7 Rinse connection

Assembly with pneumatic drive (without protective cap)

1 Rinse connection
2 Automatic limit position lock, process
3 Connection for limit position switch
4 Automatic limit position lock, service
5 Fastening ring for protective cap
6 Pneumatic connection (move to measuring position)
7 Pneumatic connection (move to service position)
8 Rinse connection

Measuring system

Measuring system (example)

1 Cleanfit assembly CPA871
2 Measuring cable
3 Liquiline CM44x transmitter
4 Sensor
Immersion chamber

The special immersion chamber version is the perfect solution when the sensor descends to greater immersion depths in media that cause buildup and media with a tendency to form condensation. In the process medium, the sensor guide containing the installed sensor is almost completely surrounded by the service chamber. This means that there is minimal contact with the medium. The seals are thus protected from damage when the sensor is moving from measuring to service position.

Assignment of rinse connections

The inlet and outlet of the service chamber are fixed. The outlet of the service chamber is located under the leakage borehole. The leakage hole is sealed with an M5 screw.

| 1 | Service chamber |
| 2 | Service chamber inlet |
| 3 | Leakage hole |
| 4 | Service chamber outlet |
Service chamber

1. Service chamber
2. Service chamber outlet
3. Service chamber inlet
4. Sensor guide

In measuring position, the service chamber is separated from the process by the process seals and sensor guide. No process medium can get into the service chamber.

When the assembly is moving from measuring to service position (or the other way around), the service chamber is no longer separated from the process. Now process medium can get into the service chamber. To prevent this, you can rinse the service chamber with a sealing medium via the service chamber inlet. This also means that process medium, which may contain solid particles, does not need to be removed via the service chamber.

In service position, the service chamber is separated from the process.
Cleanfit Control

**Integration in an automatic measuring system**

Cleanfit Control converts electrical signals into pneumatic signals. Signals coming from the relays or outputs of the transmitter are used to control pneumatically-operated retractable assemblies or pumps. Pilot valves are used for this purpose.

Cleanfit Control allows automatic cleaning of sensors installed in retractable assemblies. This means that sensor performance can be maintained at a high level without any interruption to the process.

It is the function of the Cleanfit Control CYC25 to integrate the actuators into the cleaning program in a safety-oriented manner. That is why the actuators, i.e. assembly, valves and pumps, are not connected directly via the relays to the Liquiline CM44x. Instead they are connected to the Cleanfit Control CYC25. The 24V DC power supply to these actuators, as well as the compressed air supply, are provided by the customer.

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**Control unit Air-Trol 500**

Air-Trol 500 allows you to move all pneumatically-controlled retractable assemblies manually.

- Easy installation
- Purely pneumatic functional unit
- Measuring or service mode of assembly:
  - Simple toggle switch
  - Optical display
- Push-button switch for pneumatic valve for cleaning agent, used to clean sensor

Air-Trol 500 is available as accessory.

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**Installation**

**Sensor selection**

Depending on the assembly version.

<table>
<thead>
<tr>
<th>Sensor selection</th>
<th>Gel sensors, ISFET</th>
<th>KCl sensors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short version</td>
<td>120 mm</td>
<td>225 mm</td>
</tr>
<tr>
<td>Long version</td>
<td>225 mm</td>
<td>360 mm</td>
</tr>
<tr>
<td>Immersion chamber</td>
<td>225 mm</td>
<td>360 mm</td>
</tr>
<tr>
<td>(short)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(long)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Special mounting instructions**

<table>
<thead>
<tr>
<th>Limit position switches</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Switching element function:</td>
<td>NAMUR NC contact (inductive)</td>
</tr>
<tr>
<td>Switching distance:</td>
<td>1.5 mm (0.06&quot;)</td>
</tr>
<tr>
<td>Nominal voltage:</td>
<td>8 V</td>
</tr>
<tr>
<td>Switching frequency:</td>
<td>0 to 5000 Hz</td>
</tr>
<tr>
<td>Housing material:</td>
<td>Stainless steel</td>
</tr>
<tr>
<td>Output interface terminals</td>
<td>NAMUR</td>
</tr>
<tr>
<td>Limit position switches (inductive conductivity sensors)</td>
<td>Pepperl+Fuchs NJ1.5-6.5-15-N-Y180094</td>
</tr>
</tbody>
</table>

**Environment**

<table>
<thead>
<tr>
<th>Ambient temperature range</th>
<th>-10 to +70 °C (+10 to +160 °F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage temperature</td>
<td>-10 to +70 °C (+10 to +160 °F)</td>
</tr>
</tbody>
</table>

**Process**

<table>
<thead>
<tr>
<th>Process temperature range</th>
<th>For all materials except PVDF, PVDF conductive and PP</th>
</tr>
</thead>
<tbody>
<tr>
<td>-10 to 140 °C (14 to 284 °F)</td>
<td>PVDF and PVDF conductive</td>
</tr>
<tr>
<td>-10 to 100/90 °C (14 to 212/194 °F)</td>
<td>PP</td>
</tr>
<tr>
<td>0 to 60 °C (32 to 140 °F)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Process pressure range</th>
<th>Pneumatic drive</th>
<th>16 bar (232 psi) up to 140 °C (284 °F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manual drive (PP version may vary)</td>
<td>8 bar (116 psi) to 140 °C (284 °F)</td>
<td></td>
</tr>
</tbody>
</table>

The service life of the seals is reduced if process temperatures are constantly high or if SIP is used. The other process conditions may also reduce the service life of the seals.

**Process pressure for pneumatic drive**

<table>
<thead>
<tr>
<th>Materials</th>
<th>Basic version</th>
<th>Immersion chamber version</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.4404, Alloy C22, PEEK</td>
<td>16 bar (232 psi) to 140 °C (284 °F)</td>
<td>16 bar (232 psi) to 140 °C (284 °F)</td>
</tr>
<tr>
<td>PVDF, PVDF conductive</td>
<td>16 bar (232 psi) to 100 °C (212 °F)</td>
<td>4 bar (58 psi) to 90 °C (194 °F)</td>
</tr>
<tr>
<td>PP (polypropylene)</td>
<td>6 bar (87 psi) to 20 °C (86 °F)</td>
<td>-</td>
</tr>
</tbody>
</table>

The service life of the seals is reduced if process temperatures are constantly high or if SIP is used. The other process conditions may also reduce the service life of the seals.

Depending on the version, the process pressure must be reduced to insert/retract the assembly.
Process pressure for manual drive

The service life of the seals is reduced if process temperatures are constantly high or if SIP is used. The other process conditions may also reduce the service life of the seals.

Pressure/temperature ratings

Manual and pneumatic drive, insertion/retraction up to 6 bar

![Pressure/temperature rating graph for basic version with PP material (CPA871)](image)

Pressure/temperature ratings for basic version for the material PP (CPA871)

A Basic version

Manual drive, insertion/retraction up to 8 bar

![Pressure/temperature rating graph for basic and immersion chamber version with 1.4404, Alloy C22, and PEEK materials](image)

Pressure temperature ratings for basic and immersion chamber version for materials 1.4404, Alloy C22 and PEEK

A Basic and immersion chamber version
10 Pressure temperature ratings for basic version for materials PVDF and conductive PVDF

A Immersion chamber version
B Basic version

Pneumatic drive, insertion/retraction up to 8 bar (static pressure resistance up to 16 bar)

**NOTICE**
Process seal can be damaged if the pressure during insertion/retraction is too high.
Medium escaping from the assembly
► Assembly insertion/retraction at 8 bar.

11 Pressure/temperature ratings for basic and immersion chamber version for materials 1.4404, Alloy C22 and PEEK (CPA871-*****G/H****)

A Basic and immersion chamber version
C Static range, assembly insertion/retraction not permitted
12 Pressure/temperature ratings for basic version for materials PVDF and PVDF conductive (CPA871-*****G/H*****)

A Immersion chamber version
B Basic version
C Static range, assembly insertion/retraction not permitted

Pneumatic drive, insertion/retraction up to 16 bar

13 Pressure/temperature ratings for basic and immersion chamber version for materials 1.4404, Alloy C22 and PEEK (CPA871-*****E/F*****)

A Basic and immersion chamber version
Pressure/temperature ratings for basic version for materials PVDF and PVDF conductive (CPA871-*****E/F****)

A Immersion chamber version
B Basic version
Mechanical construction

Design, dimensions

→ Section 'Installation'

<table>
<thead>
<tr>
<th>Rinse chamber volume</th>
<th>Volume cm³ (in³) (max.)</th>
<th>Volume cm³ (in³) (min.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single chamber</td>
<td>12.02 (0.73)</td>
<td>2.81 (0.17)</td>
</tr>
<tr>
<td>Immersion chamber, short</td>
<td>15.75 (0.96)</td>
<td>6.73 (0.41)</td>
</tr>
<tr>
<td>Immersion chamber, long</td>
<td>17.14 (1.05)</td>
<td>8.12 (0.5)</td>
</tr>
</tbody>
</table>

Weight

Depends on version:
- Pneumatic drive: 3.8 to 6 kg (8.4 to 13.2 lbs) depending on version
- Manual drive: 3 to 4.5 kg (6.6 to 9.9 lbs) depending on version

Materials

<table>
<thead>
<tr>
<th>In contact with medium</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Seals</td>
<td>EPDM / FKM / FFKM</td>
</tr>
<tr>
<td>Immersion tube, process connection, service chamber:</td>
<td>Stainless steel 1.4404 (AISI 316L) Ra &lt; 0.76 / PEEK / Alloy C22</td>
</tr>
<tr>
<td></td>
<td>Ra &lt; 0.76 / PVDF / PVDF conductive / PP</td>
</tr>
<tr>
<td>Rinse connections:</td>
<td>Stainless steel 1.4404 (AISI 316L) or Alloy C22</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Not in contact with medium</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Manual drive:</td>
<td>Stainless steel 1.4301 (AISI 304) or 1.4404 (AISI 316L), plastics PPS CF15, PBT, PP</td>
</tr>
<tr>
<td>Pneumatic drive:</td>
<td>Stainless steel 1.4301 (AISI 304) or 1.4404 (AISI 316L), plastics PBT, PP</td>
</tr>
</tbody>
</table>

Rinse connections

Surface finish may vary depending on the manufacturing process.
Certificates and approvals

Current certificates and approvals for the product are available via the Product Configurator at www.endress.com.

1. Select the product using the filters and search field.
2. Open the product page.

The Configuration button opens the Product Configurator.
# Ordering information

**Ordering instructions**

Create the order code for the assembly as follows:

1. Is the assembly used in the hazardous or non-hazardous area?
2. Select the drive type and the limit position switches.
3. Select the type of service chamber.
4. What material should the wetted seals be made of?
5. What material should the wetted surfaces be made of?
6. Select the suitable process connection.
7. Which connections should the service chamber have?

Order the accessories as follows:

- If you wish to order the accessories together with the assembly, then use the accessory code of the product structure.
- If you only wish to order accessories, then use the order numbers from the "Accessories" section.

**Product page**

www.endress.com/cpa871

**Product Configurator**

1. **Configure**: Click this button on the product page.
2. Select **Extended selection**.
   - The Configurator opens in a separate window.
3. Configure the device according to your requirements by selecting the desired option for each feature.
   - In this way, you receive a valid and complete order code for the device.
4. **Apply**: Add the configured product to the shopping cart.

For many products, you also have the option of downloading CAD or 2D drawings of the selected product version.

5. **Show details**: Open this tab for the product in the shopping cart.
   - The link to the CAD drawing is displayed. If selected, the 3D display format is displayed along with the option to download various formats.

**Scope of delivery**

The scope of delivery comprises:

- Ordered version of assembly
- Operating Instructions
Accessories

The following are the most important accessories available at the time this documentation was issued.

- For accessories not listed here, please contact your Service or Sales Center.

The following accessories can be ordered via the product structure or the spare parts structure XPC0001:

- Weld-in adapter G1¼, straight, 35 mm, 1.4435 (AISI 316 L), safety nozzle
- Weld-in adapter G1¼, angled, 35 mm, 1.4435 (AISI 316 L), safety nozzle

![Diagram of weld-in adapter](image)

- Dummy plug G1¼, 1.4435 (AISI 316 L), FPM - FDA
- Sensor dummy 120 mm, 1.4435 (AISI 316 L), Ra = 0.38 µm
- Sensor dummy 225 mm, 1.4435 (AISI 316 L), Ra = 0.38 µm
- Sensor dummy 360 mm, 1.4435 (AISI 316 L), Ra = 0.38 µm
- Kit, seals for non-wetted parts
- Kit, FKM seals, G1¼, wetted parts
- Kit, FKM seals, immersion chamber version, wetted parts
- Kit, seal, wetted, EPDM
- Kit, seal, wetted, FKM
- Kit, seal, FFKM, basic, wetted
- Cable, plug-in, limit switch, M12, 5 m
- Cable, plug-in, limit switch, M12, 10 m
- Tool in case for installation/removal
- Kit of Klüber Paralilq GTE 703 grease (60g)
- Output interface terminals, version: CPA871-620-R7
  NAMUR terminals for limit position switches
  - Operation of 8V DC feedback signals on 24V DC devices
  - Suitable for top-hat rail mounting

Device-specific accessories

Sensors

pH sensors

Memosens CPS11E

- pH sensor for standard applications in process and environmental engineering
- Digital with Memosens 2.0 technology
- Product Configurator on the product page: [www.endress.com/cps11e](http://www.endress.com/cps11e)

Technical Information TI01493C
Orbisint CPS11D / CPS11
- pH sensor for process technology
- With dirt-repellent PTFE diaphragm
- Product Configurator on the product page: www.endress.com/cps11d or www.endress.com/cps11
- Technical Information TI00028C

Memosens CPS31E
- pH sensor for standard applications in drinking water and swimming pool water
- Digital with Memosens 2.0 technology
- Product Configurator on the product page: www.endress.com/cps31e
- Technical Information TI01574C

Memosens CPS41E
- pH sensor for process technology
- With ceramic junction and KCl liquid electrolyte
- Digital with Memosens 2.0 technology
- Product Configurator on the product page: www.endress.com/cps41e
- Technical Information TI01495C

Ceraliquid CPS41D / CPS41
- pH electrode with ceramic junction and KCl liquid electrolyte
- Product Configurator on the product page: www.endress.com/cps41d or www.endress.com/cps41
- Technical Information TI00079C

Memosens CPS61E
- pH sensor for bioreactors in life sciences and for the food industry
- Digital with Memosens 2.0 technology
- Product Configurator on the product page: www.endress.com/cps61e
- Technical Information TI01566C

Memosens CPS71E
- pH sensor for chemical process applications
- Digital with Memosens 2.0 technology
- Product Configurator on the product page: www.endress.com/cps71e
- Technical Information TI01496C

Ceragel CPS71D / CPS71
- pH electrode with reference system including ion trap
- Product Configurator on the product page: www.endress.com/cps71d or www.endress.com/cps71
- Technical Information TI00245C

Memosens CPS91E
- pH sensor for heavily polluted media
- Digital with Memosens 2.0 technology
- Product Configurator on the product page: www.endress.com/cps91e
- Technical Information TI01497C

Orbipore CPS91D / CPS91
- pH electrode with open aperture for media with high dirt load
- Product Configurator on the product page: www.endress.com/cps91d or www.endress.com/cps91
- Technical Information TI00375C

ORP sensors

Memosens CPS12E
- ORP sensor for standard applications in process and environmental engineering
- Digital with Memosens 2.0 technology
- Product Configurator on the product page: www.endress.com/cps12e
- Technical Information TI01494C
Orbisint CPS12D / CPS12
- ORP sensor for process technology
- Product Configurator on the product page: www.endress.com/cps12d or www.endress.com/cps12
  Technical Information TI00367C

Memosens CPS42E
- ORP sensor for process technology
- Digital with Memosens 2.0 technology
- Product Configurator on the product page: www.endress.com/cps42e
  Technical Information TI01575C

Ceraliquid CPS42D / CPS42
- ORP electrode with ceramic junction and KCl liquid electrolyte
- Product Configurator on the product page: www.endress.com/cps42d or www.endress.com/cps42
  Technical Information TI00373C

Memosens CPS72E
- ORP sensor for chemical process applications
- Digital with Memosens 2.0 technology
- Product Configurator on the product page: www.endress.com/cps72e
  Technical Information TI01576C

Ceragel CPS72D / CPS72
- ORP electrode with reference system including ion trap
- Product Configurator on the product page: www.endress.com/cps72d or www.endress.com/cps72
  Technical Information TI00374C

pH-ISFET sensors

Memosens CPS47D
- Sterilizable and autoclavable ISFET sensor for pH measurement
- Refillable KCl liquid electrolyte
- Product Configurator on the product page: www.endress.com/cps47d
  Technical Information TI01412C

Memosens CPS77D
- Sterilizable and autoclavable ISFET sensor for pH measurement
- Product Configurator on the product page: www.endress.com/cps77d
  Technical Information TI01396

Combined pH/ORP sensors

Memosens CPS16E
- pH/ORP sensor for standard applications in process technology and environmental engineering
- Digital with Memosens 2.0 technology
- Product Configurator on the product page: www.endress.com/cps16e
  Technical Information TI01600C

Memosens CPS16D
- Combined pH/ORP sensor for process technology
- With dirt-repellent PTFE diaphragm
- With Memosens technology
- Product Configurator on the product page: www.endress.com/cps16D
  Technical Information TI00503C

The 120 mm version in the CPS16D is not suitable.
Memosens CPS76E
- pH/ORP sensor for process technology
- Digital with Memosens 2.0 technology
- Product Configurator on the product page: www.endress.com/cps76e
  Technical Information TI01601C

Memosens CPS76D
- Combined pH/ORP sensor for process technology
- Hygienic and sterile applications
- With Memosens technology
- Product Configurator on the product page: www.endress.com/cps76d
  Technical Information TI00506C

Memosens CPS96E
- pH/ORP sensor for heavily polluted media and suspended solids
- Digital with Memosens 2.0 technology
- Product Configurator on the product page: www.endress.com/cps96e
  Technical Information TI01602C

Memosens CPS96D
- Combined pH/ORP sensor for chemical processes
- With poison-resistant reference with ion trap
- With Memosens technology
- Product Configurator on the product page: www.endress.com/cps96d
  Technical Information TI00507C

Conductivity sensors
Memosens CLS82E
- Hygienic conductivity sensor
- Digital with Memosens 2.0 technology
- Product Configurator on the product page: www.endress.com/cls82e
  Technical Information TI01529C

Memosens CLS82D
- Four-electrode sensor
- With Memosens technology
- Product Configurator on the product page: www.endress.com/cls82d
  Technical Information TI01188C

Oxygen sensors
Oxymax COS22E
- Sterilizable sensor for dissolved oxygen
- Digital with Memosens 2.0 technology
- Product Configurator on the product page: www.endress.com/cos22e
  Technical Information TI00446C

Oxymax COS22D / COS22
- Sterilizable sensor for dissolved oxygen
- With Memosens technology or as an analog sensor
- Product Configurator on the product page: www.endress.com/cos22d or www.endress.com/cos22
  Technical Information TI00446C
Absorption sensor

OUSBT66
- NIR absorption sensor for measuring cell growth and biomass
- Sensor version suitable for pharmaceutical industry
- Product Configurator on the product page: www.endress.com/ousbt66

![Technical Information TI00469C]

Service-specific accessories

Cleaning systems

Air-Trol 500
- Control unit for Cleanfit retractable assemblies
- Order No. 50051994

![Technical Information TI00038C/07/EN]

Cleanfit Control CYC25
- Converts electrical signals into pneumatic signals to control pneumatically-operated retractable assemblies or pumps in conjunction with Liquiline CM44x
- Wide range of control options
- Product Configurator on the product page: www.endress.com/cyc25

![Technical Information TI01231C]

Liquiline Control CDC90
- Fully automatic cleaning and calibration system for pH and ORP measuring points in all industries
- Cleaned, validated, calibrated and adjusted
- Product Configurator on the product page: www.endress.com/cdc90

![Technical Information TI01340C]
Flow vessel

- Flange DN 25 ISO 1092-2 PN16
- Material: stainless steel 1.4404 (AISI 316 L)

Dimensions in mm (in)

Dummy plug is available for maintenance purposes
<table>
<thead>
<tr>
<th><strong>Installation material for rinse connections</strong></th>
<th><strong>Kit, water filter</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Water filter (dirt trap) 100 µm, complete, incl. angle bracket</td>
</tr>
<tr>
<td></td>
<td>Order No. 71390988</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Kit, water filter</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Water filter (dirt trap) 100 µm, complete, incl. angle bracket</td>
</tr>
<tr>
<td>Order No. 71390988</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Pressure reducer kit</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete, incl. manometer and angle bracket</td>
</tr>
<tr>
<td>Order No. 71390993</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Hose connection set G¼, DN 12</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1.4404 (AISI 316L) 2 x</td>
</tr>
<tr>
<td>Order No. 51502808</td>
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<th><strong>Hose connection set G¼, DN 12</strong></th>
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