SI Analytics
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АРМАТУРА и АКСЕССУАРЫ

Static sensor holders

CHEMfit 310

Static sensor holder for permanent installation of Ø12 mm/120 mm-sensors on **welding sockets DN25** in tanks or pipes.

Application:
- ◣ **For all kind of Ø12/120 mm sensors with thread PG13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)**
- ◣ **Food production**
- ◣ **Chemical and pharmaceutical production**
- ◣ **Water treatment**

Benefits:
- ◣ **Designed according to hygienic criteria**
- ◣ **Surface finish Ra<0.8 or Ra<0.4**
- ◣ **Stainless steel AISI 316L / 1.4404**
- ◣ **EPDM sealing with FDA and USP VI approval**
- ◣ **Optional sensor protection cage**
- ◣ **Up to 10 bar and 140°C**
- ◣ **Protection cap for cable connection**
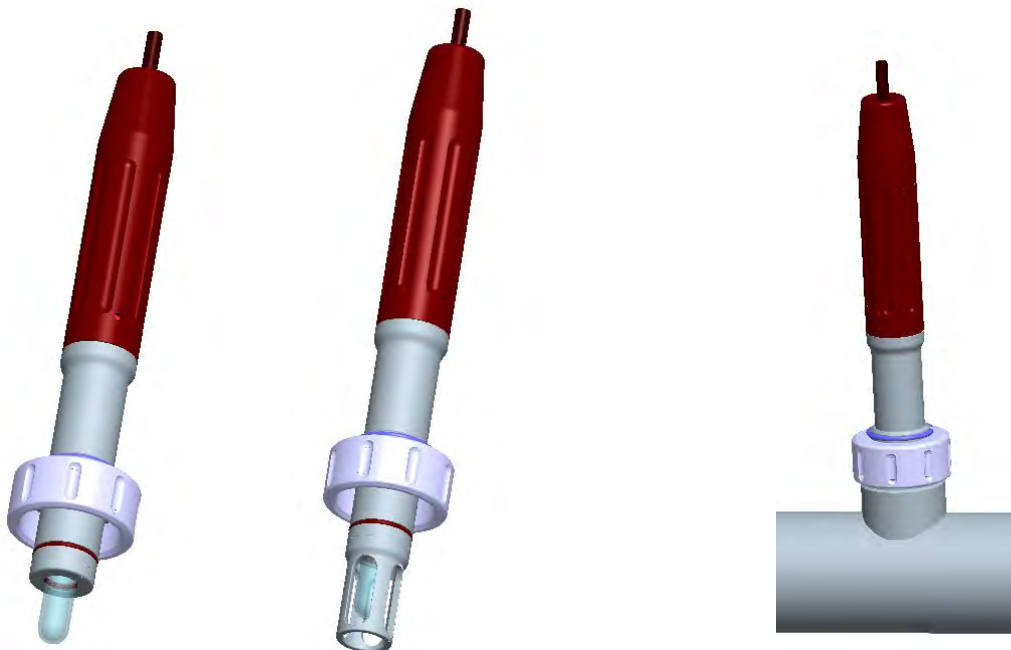
Static sensor holders

CHEMfit 311

Static sensor holder with **TriClamp connection** for permanent installation of
Ø12 mm/120 mm-sensors in tanks or pipes.

Application:

▲ **For all kind of Ø12 / 120 mm sensors with thread PG 13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)**
▲ **Food production**
▲ **Chemical and pharmaceutical production**

Benefits:

▲ **Designed according to hygienic criteria**
▲ **Surface finish Ra<0.8 or Ra<0.4**
▲ **Stainless steel AISI 316L / 1.4404**
▲ **EPDM sealing with FDA and USP VI approval**
▲ **Optional sensor protection cage**
▲ **Up to 10 bar and 140°C**
▲ **Protection cap for cable connection**

Static sensor holders

CHEMfit 312

Static sensor holder with **hygienic process connections** for permanent installation of Ø12 mm/120 mm sensors in tanks or pipes.

Application:
- ▲ **For all kind of Ø12/120 mm sensors with thread PG13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)**
- ▲ **Food production**
- ▲ **Pharmaceutical production**

Benefits:
- ▲ **Designed according to hygienic criteria**
- ▲ **Surface finish Ra<0.8 or Ra<0.4**
- ▲ **Stainless steel AISI 316L / 1.4404**
- ▲ **EPDM sealing with FDA and USP VI approval**
- ▲ **Optional sensor protection cage**
- ▲ **Up to 10 bar and 140°C**
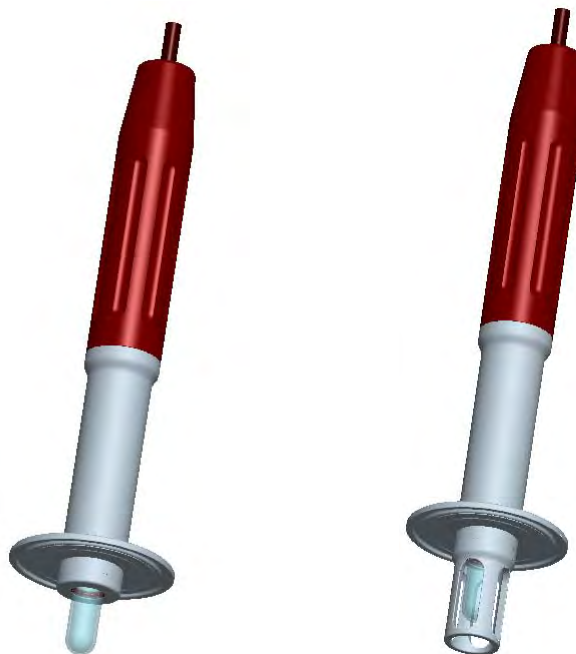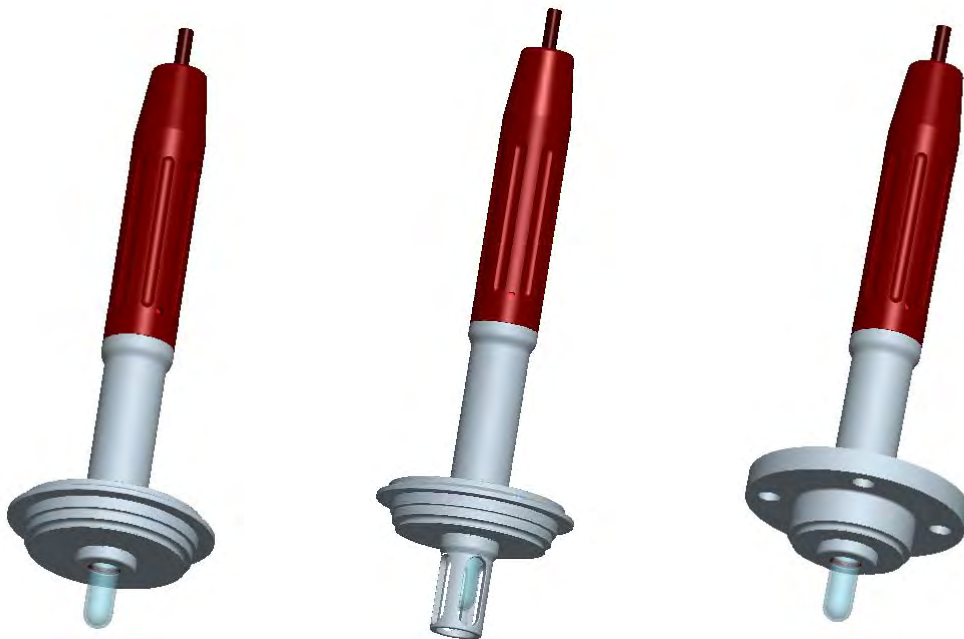- ▲ **Protection cap for cable connection**

Static sensor holders

CHEMfit 315

Static sensor holder with **15°-angled process connections** for permanent installation of Ø12 mm/120 mm-sensors in tanks or pipes mainly in **hygienic applications.**

Application:
- ◢ **For all kind of Ø12/120 mm sensors with thread PG13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)**
- ◢ **Food production**
- ◢ **Chemical and pharmaceutical production**
- ◢ **Especially for the use in vertical pipe connections**

Benefits:
- ◢ **Designed according to hygienic criteria**
- ◢ **Surface finish Ra<0.8 or Ra<0.4**
- ◢ **Stainless steel AISI 316L / 1.4404**
- ◢ **EPDM sealing with FDA and USP VI approval**
- ◢ **Up to 10 bar and 140°C**
- ◢ **Protection cap for cable connection**
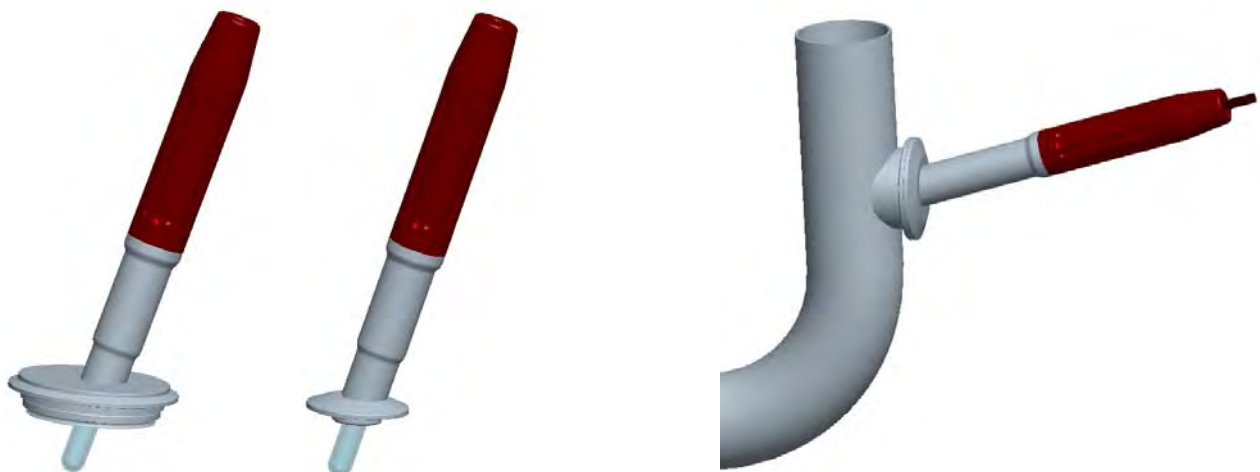
Dip holders - *static*

CHEMdip 910 – DN50/ANSI 2″ stainless steel

Immersion holder made of stainless steel with **flange** connection and integrated orbital sensor cleaning system for **nominal diameter DN50 / 2".**

Application:
- ◢ **For all kind of Ø12/120 mm sensors with thread PG13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)**
- ◢ **Chemical production**
- ◢ **Water and wastewater treatment**
- ◢ **Permanent installation in tanks, vessels or open channels**

Benefits:
- ◢ **Robust design**
- ◢ **Integrated orbital sensor cleaning system**
- ◢ **Extension of sensor-lifetime and reducing of maintenance costs**
- ◢ **Easy installation and removal of the sensor holder**
- ◢ **Stainless steel AISI 316L / 1.4404 or hastelloy**
- ◢ **Immersion length 500 – 2500 mm**
- ◢ **Minimum size DN50/2"**
- ◢ **Up to 10 bar and 140°C**
- ◢ **No external cleaning device necessary**

Dip holders - *static*

CHEMdip 920 – DN50/ANSI 2″ plastics

Immersion holder made of plastics with **flange connection** or suspension and integrated orbital sensor cleaning system for nominal **diameter DN50/2**".

Application:
- ▲ For all kind of Ø12/120 mm sensors with thread PG13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)
- ▲ Chemical production
- ▲ Water and wastewater treatment
- ▲ Permanent installation in tanks, vessels or open channels

Benefits:
- ▲ Robust design
- ▲ Integrated orbital sensor cleaning system
- ▲ Extension of sensor-lifetime and reducing of maintenance costs
- ▲ Easy installation and removal of the sensor holder
- ▲ PP or PVDF
- ▲ Immersion length 500 – 2500 mm
- ▲ Minimum size DN50/2"
- ▲ Up to 6 bar and 80°C
- ▲ No external cleaning device necessary
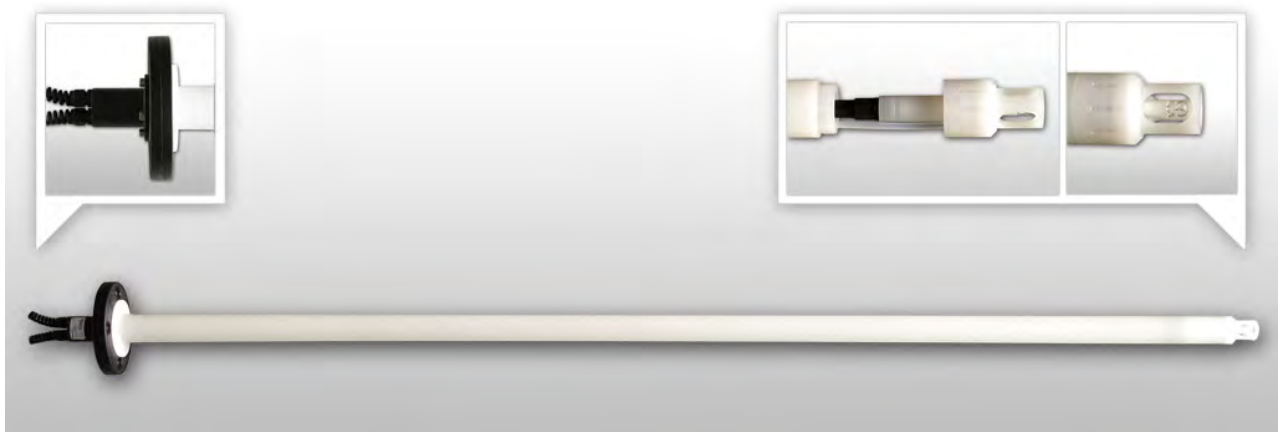
Dip holders - *static*

CHEMdip 915 – DN80/ANSI 3″ stainless steel

Immersion holder made of stainless steel with **flange** connection and integrated orbital sensor cleaning system for **nominal diameter DN80/3".**

Application:

- ◢ **For all kind of Ø12/120 mm sensors with thread PG 13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)**
- ◢ **Chemical production**
- ◢ **Water and wastewater treatment**
- ◢ **Permanent installation in tanks, vessels or open channels**

Benefits:

- ◢ **Robust design**
- ◢ **Integrated orbital sensor cleaning system**
- ◢ **Extension of sensor-lifetime and reducing of maintenance costs**
- ◢ **Easy installation and removal of the sensor holder**
- ◢ **Suitable for liquid-filled sensors**
- ◢ **Stainless steel AISI 316L / 1.4404**
- ◢ **Immersion length 500 – 2500 mm**
- ◢ **Minimum size DN80/3"**
- ◢ **Up to 8 bar and 140°C**
- ◢ **No external cleaning devices necessary**

Dip holders - *static*

CHEMdip 925 – DN80/ANSI 3″ plastics

Immersion holder made of plastics with **flange connection** or suspension and integrated orbital sensor cleaning system for **nominal diameter DN80 / 3".**

Application:
- ◢ **For all kind of Ø12/120 mm sensors with thread PG13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)**
- ◢ **Chemical production**
- ◢ **Water and wastewater treatment**
- ◢ **Permanent installation in tanks, vessels or open channels**

Benefits:
- ◢ **Robust design**
- ◢ **Integrated orbital sensor cleaning system**
- ◢ **Extension of sensor-lifetime and reducing of maintenance costs**
- ◢ **Easy installation and removal of the sensor holder**
- ◢ **Suitable for liquid-filled sensors**
- ◢ **PP or PVDF**
- ◢ **Immersion length 500 – 2500 mm**
- ◢ **Minimum size DN80/3"**
- ◢ **Up to 6 bar and 140°C**
- ◢ **No external cleaning devices necessary**

Dip holders - *retractable*

CHEMdip 918 – DN100/ANSI 4″ stainless steel

Immersion holder made of stainless steel combined with a **retractable unit and cleaning chamber**, equipped with **flange connection for nominal diameter DN100 / 4".**

Application:
- ◢ For all kind of Ø12/225 mm or Ø12/280 mm sensors with thread PG 13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)
- ◢ Chemical production
- ◢ Water and wastewater treatment
- ◢ Permanent installation in tanks, vessels or open channels

Benefits:
- ◢ Integrated retractable unit for automated sensor cleaning
- ◢ Extension of sensor-lifetime and reducing of maintenance costs
- ◢ Easy installation and removal of the sensor holder
- ◢ Suitable for liquid-filled sensors
- ◢ Stainless steel AISI 316Ti / 316L (1.4571/1.4404)
- ◢ Immersion length 1000 – 2500 mm
- ◢ Minimum size DN100/4"
- ◢ Up to 8 bar and 95°C
- ◢ No external cleaning system necessary
- ◢ Can be fully automated with pneumatic or electro-pneumatic control units (e.g. CHEMtrol 450 or CHEMtrol 460)
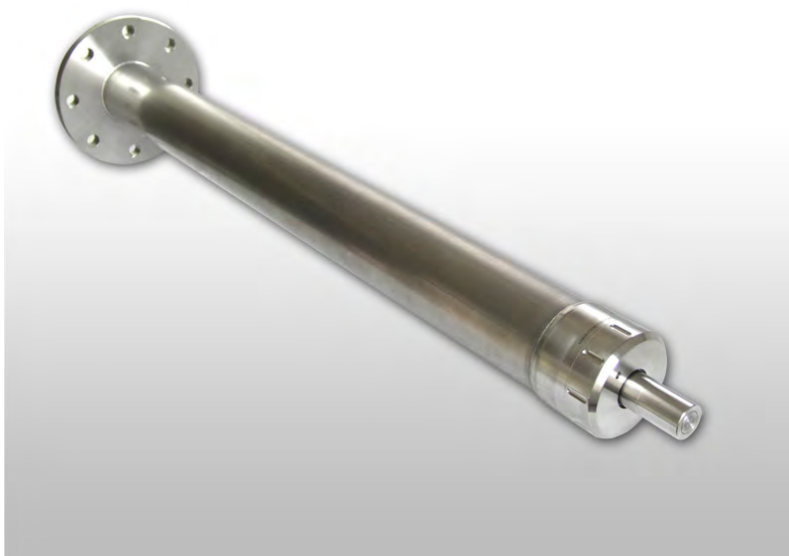
Dip holders - *automatic*

CHEMdip 928 – DN100/ANSI 4″ PVDF

Immersion holder made of PVDF combined with **a retractable unit and cleaning** chamber, equipped **with flange** connection or suspension for **nominal diameter DN100 / 4".**

Application:
- ▲ For all kind of Ø12/225 mm (gel-filled) or Ø12/280 mm (liquid-filled) sensors with thread PG 13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)
- ▲ Chemical production
- ▲ Water and wastewater treatment
- ▲ Permanent installation in tanks, vessels or open channels with automatic sensor cleaning

Benefits:
- ▲ Integrated retractable unit for automatic sensor cleaning
- ▲ Extension of sensor-lifetime and reducing of maintenance costs
- ▲ Easy installation and removal of the sensor holder
- ▲ Suitable for liquid-filled sensors
- ▲ PVDF, protection cage made of Alloy C22
- ▲ Immersion length 1000 – 2500 mm
- ▲ Minimum size DN100 / 4"
- ▲ Up to 6 bar and 95°C
- ▲ Can be fully automated with pneumatic or electro-pneumatic control units (e.g. CHEMtrol 450 or CHEMtrol 460)

CHEMtrac 810

Retractable holder made of **stainless steel** for installation of Ø12 mm sensors on tanks or pipelines

Application:
- ◢ **For all kind of Ø12/225 mm (gel-filled) or Ø12/280 mm (liquid-filled) sensors with thread PG 13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)**
- ◢ **Chemical production**
- ◢ **Water and wastewater treatment**
- ◢ **Rough processes**
- ◢ **Where an automated sensor cleaning and/or calibration is necessary**

Benefits:
- ◢ **Robust design, integrated scraper**
- ◢ **Extension of sensor-lifetime and reducing of maintenance costs**
- ◢ **Automatic safety lock while sensor is being removed**
- ◢ **Plug-and-play installation through colour and size coded connection system**
- ◢ **Integrated limit switches**
- ◢ **Stainless steel AISI 316L / 1.4404 or Hastelloy**
- ◢ **Immersion length up to 107 mm**
- ◢ **Wide variety of process connections and sealing materials**
- ◢ **Up to 16 bar and 140°C**
- ◢ **Can be fully automated with pneumatic or electro-pneumatic control units (e.g. CHEMtrol 450 or CHEMtrol 460)**
- ◢ **Maintenance free drive unit**

Retractable holders - *automatic*

CHEMtrac 811

Retractable holder made of **stainless steel** for installation of Ø12 mm sensors on tanks or pipelines with an **extended immersion length up to 207 mm**

Application:
- ▲ For all kind of **Ø12/225 mm (gel-filled) or Ø12/280 mm (liquid-filled) sensors with thread PG 13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)**
- ▲ **Chemical production**
- ▲ **Water and wastewater treatment**
- ▲ **Rough processes**
- ▲ **Where an automated sensor cleaning and/or calibration is necessary**

Benefits:
- ▲ **Robust design, integrated scraper**
- ▲ **Extension of sensor-lifetime and reducing of maintenance costs**
- ▲ **Automatic safety lock while sensor is being removed**
- ▲ **Plug-and-play installation through colour and size coded connection system**
- ▲ **Integrated limit switches**
- ▲ **Stainless steel AISI 316L / 1.4404 or Hastelloy**
- ▲ **Immersion length up to 207 mm**
- ▲ **Wide variety of process connections and sealing materials**
- ▲ **Up to 16 bar and 140°C**
- ▲ **Can be fully automated with pneumatic or electro-pneumatic control units (e.g. CHEMtrol 450 or CHEMtrol 460)**
- ▲ **Maintenance free drive unit**

CHEMtrac 820

Retractable holder made of **plastics** for installation of Ø12 mm sensors on tanks or pipelines.

Application:

- ◢ **For all kind of Ø12/225 mm (gel-filled) or Ø12/280 mm (liquid-filled) sensors with thread PG 13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)**
- ◢ **Chemical production**
- ◢ **Water and wastewater treatment**
- ◢ **Rough processes**
- ◢ **Where an automated sensor cleaning and/or calibration is necessary**

Benefits:

- ◢ **Robust design, integrated scraper**
- ◢ **Extension of sensor-lifetime and reducing of maintenance costs**
- ◢ **Automatic safety lock while sensor is being removed**
- ◢ **Plug-and-play installation through colour and size coded connection system**
- ◢ **Integrated limit switches**
- ◢ **Available in PP, PVDF or PEEK**
- ◢ **Protection cage (made of hastelloy for PVDF and PEEK)**
- ◢ **Immersion length up to 94 mm**
- ◢ **Wide variety of process connections and sealing materials**
- ◢ **Up to 10 bar and 140°C**
- ◢ **Can be fully automated with pneumatic or electro-pneumatic control units (e.g. CHEMtrol 450 or CHEMtrol 460)**
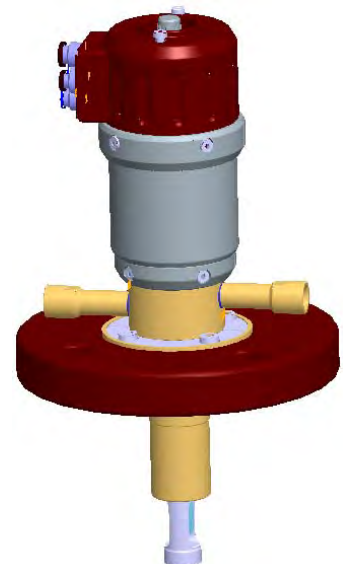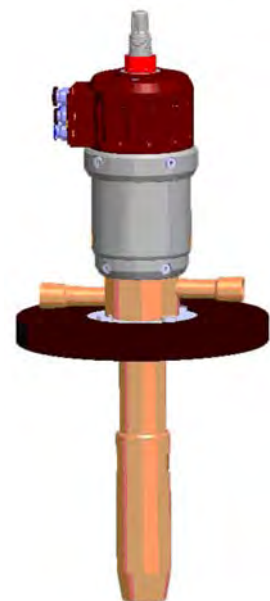- ◢ **Maintenance free drive unit**

Retractable holders - *automatic*

CHEMtrac 821

Retractable holder made of **plastics** for installation of Ø12mm sensors on tanks or pipelines with an **extended immersion length up to 194 mm.**

Application:
- ◢ **For all kind of Ø12/325 mm (gel-filled) or Ø12/380 mm (liquid-filled) sensors with thread PG 13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)**
- ◢ **Chemical production**
- ◢ **Water and wastewater treatment**
- ◢ **Rough processes**
- ◢ **Where an automated sensor cleaning and/or calibration is necessary**

Benefits:
- ◢ **Robust design, integrated scraper**
- ◢ **Extension of sensor-lifetime and reducing of maintenance costs**
- ◢ **Automatic safety lock while sensor is being removed**
- ◢ **Plug-and-play installation through colour and size coded connection system**
- ◢ **Integrated limit switches**
- ◢ **Available in PVDF or PEEK**
- ◢ **Protection cage made of hastelloy**
- ◢ **Immersion length up to 194 mm**
- ◢ **Wide variety of process connections and sealing materials**
- ◢ **Up to 10 bar and 140°C**
- ◢ **Can be fully automated with pneumatic or electro-pneumatic control units (e.g. CHEMtrol 450 or CHEMtrol 460)**
- ◢ **Maintenance free drive unit**

CHEMtrac 830 – hygienic installation

Retractable holder made of stainless steel for **hygienic installation** of Ø12 mm sensors on **tanks or pipelines.**

Application:
- ◢ **For all kind of Ø12/325 mm (gel-filled) or Ø12/380 mm (liquid-filled) sensors with thread PG 13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)**
- ◢ **Chemical production**
- ◢ **Water and wastewater treatment**
- ◢ **Rough processes**
- ◢ **Where an automated sensor cleaning and/or calibration is necessary**

Benefits:
- ◢ **Hygienic design, EHEDG/3A–approved process connections**
- ◢ **Extension of sensor-lifetime and reducing of maintenance costs**
- ◢ **Automatic safety lock while sensor is being removed**
- ◢ **Plug-and-play installation through colour and size coded connection system**
- ◢ **AISI 316L/1.4404 surface finish Ra<0.8 electropolished**
- ◢ **Protection cage, hastelloy**
- ◢ **Wide variety of process connections and sealing materials**
- ◢ **Up to 10 bar and 140°C**
- ◢ **Can be fully automated with pneumatic or electro-pneumatic control units (e.g. CHEMtrol 450 or CHEMtrol 460)**
- ◢ **Maintenance free drive unit**

Retractable holders - *manual*

CHEMtrac 810 M – stainless steel

Manual retractable holder made of **stainless steel** for installation of Ø12 mm sensors on tanks or pipelines **with unique rotary drive.**

Application:
- ◢ **For all kind of Ø12/225 mm (gel-filled) or Ø12/280 mm (liquid-filled) sensors with thread PG 13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)**
- ◢ **Chemical production**
- ◢ **Water and wastewater treatment**
- ◢ **Rough processes**
- ◢ **Where an automated sensor cleaning and/or calibration is necessary**

Benefits:
- ◢ **Robust design, integrated scraper**
- ◢ **Extension of sensor-lifetime and reducing of maintenance costs**
- ◢ **Stainless steel AISI 316L/1.4404 or hastelloy**
- ◢ **Immersion length up to 107 mm**
- ◢ **Protection cage, hastelloy**
- ◢ **Wide variety of process connections and sealing materials**
- ◢ **Safe locking system**
- ◢ **Indication of measurement and service position**
- ◢ **No change of position possible, if no sensor is connected**
- ◢ **Manual handling even against 12 bar due to unique rotary drive**
- ◢ **Pneumatic drive retrofit**

CHEMtrac 820 M – plastics

Manual retractable holder made **of plastics** for installation of Ø12 mm sensors on tanks or pipelines with **unique rotary drive.**

Application:
- ◢ **For all kind of Ø12/225 mm (gel-filled) or Ø12/280 mm (liquid-filled) sensors with thread PG13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)**
- ◢ **Chemical production**
- ◢ **Water treatment**
- ◢ **Rough processes**
- ◢ **Where an automated sensor cleaning and/or calibration is necessary**

Benefits:
- ◢ **Robust design, integrated scraper**
- ◢ **Extension of sensor-lifetime and reducing of maintenance costs**
- ◢ **Available in PP, PVDF and PEEK**
- ◢ **Immersion length up to 94 mm**
- ◢ **Wide variety of process connections and sealing materials**
- ◢ **Maintenance free drive unit**
- ◢ **Safe locking system**
- ◢ **Indication of measurement and service position**
- ◢ **No change of position possible, if no sensor is connected**
- ◢ **Manual handling even against 12 bar due to unique rotary drive**
- ◢ **Pneumatic drive retrofit**

Retractable holders - manual

CHEMtrac 821 M – plastics, extended immersion

Manual retractable holder made **of plastics** for installation of Ø12 mm sensors on tanks or pipelines with an extended **immersion length up to 194 mm** with **unique rotary drive.**

Application:
- For all kind of Ø12/325 mm (gel-filled) or Ø12/380 mm (liquid-filled) sensors with thread PG13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)
- Chemical production
- Water treatment
- Rough processes
- Where an automated sensor cleaning and/or calibration is necessary

Benefits:
- Robust design, integrated scraper
- Extension of sensor-lifetime and reducing of maintenance costs
- PVDF and PEEK
- Protection cage, hastelloy
- Immersion length up to 194 mm
- Wide variety of process connections and sealing materials
- Maintenance free drive unit
- Safe locking system
- Indication of measurement and service position
- No change of position possible, if no sensor is connected
- Manual handling even against 12 bar due to unique rotary drive
- Pneumatic drive retrofit

CHEMtrac 830 M – hygienic installation

Manual retractable holder made of stainless steel for **hygienic installation** of Ø12 mm sensors on tanks or pipelines with **unique rotary drive.**

Application:
- ◢ **For all kind of Ø12/225 mm (gel-filled) or Ø12/280 mm (liquid-filled) sensors with thread PG13.5 (e.g. pH- and REDOX, conductivity and temperature and turbidity sensors)**
- ◢ **Foodproduction**
- ◢ **Pharmaceutical production**
- ◢ **Where a sensor removal under process terms is necessary**

Benefits:
- ◢ **Hygienic design, EHEDG/3A approved process connections**
- ◢ **Extension of sensor-lifetime and reducing of maintenance costs**
- ◢ **AISI 316L/1.4404 surface finish Ra<0.8 electropolished**
- ◢ **Wide variety of process connections and sealing materials**
- ◢ **Maintenance free drive unit**
- ◢ **Safe locking system**
- ◢ **Indication of measurement and service position**
- ◢ **No change of position possible, if no sensor is connected**
- ◢ **Manual handling even against 12 bar due to unique rotary drive**
- ◢ **Pneumatic drive retrofit**

Manual control units

CHEMtrol 450

Manual control unit with cleaning function and integrated connecting hose for retractable holders.

Application:
- ◢ **Everywhere a pneumatic retractable holder shall be controlled manually**

Benefits:
- ◢ **Robust design**
- ◢ **Integrated connecting hose for plug-and-play operation**
- ◢ **Up to 2 different cleaning solutions can be controlled**
- ◢ **Detection of holder position**
- ◢ **Driven by air at 6 bar**
- ◢ **No electrical installation necessary**

Automatic control units

CHEMtrol 460

Electro pneumatical control unit with individual programmable cleaning functions and integrated connecting hose for retractable holders

Application:
- ◢ **Everywhere a pneumatic retractable holder shall be controlled manually**

Benefits:
- ◢ **Robust design**
- ◢ **Integrated connecting hose for plug-and-play operation**
- ◢ **Up to 2 different cleaning solutions can be controlled**
- ◢ **Detection of holder position**
- ◢ **Driven by air at 6 bar**
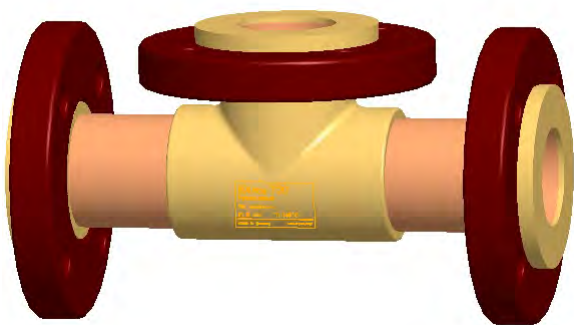- ◢ **No electrical installation necessary**

Flow vessels

CHEMflow 710

The flow vessel CHEMflow 710 is made of **stainless steel** and is a suitable accessory for the pneumatical **retractable holder** CHEMtrac 810 **or the static sensor holder** CHEMfit 310. These combinations ensure the optimal position of a measuring sensor directly in the flow stream.

Application:
- Inline measurement
- Bypass measuring points
- Chemical production
- Water treatment

Benefits:
- Flexible design
- DN25/1" or DN50/2"
- 90° or 180° flow direction
- Best sensor position
- Stainless steel AISI 316Ti/1.4571 or ETFE-lined
- Wide variety of process connections
- Up to 16 bar and 140°C
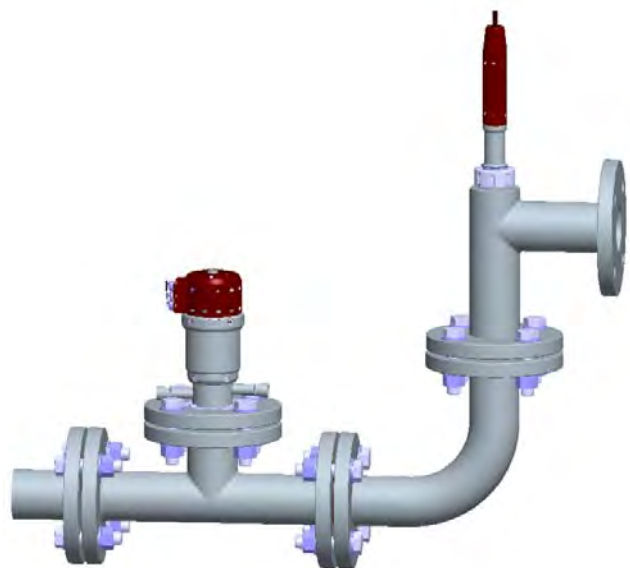
Flow vessels

CHEMflow 720

The flow vessel CHEMflow 720 is **made of plastic** and is a suitable accessory **for the pneumatical retractable holder CHEMtrac 820**. This combination ensures the optimal position of a measuring sensor directly in the flow stream.

Application:
- ◤ **Inline measurement**
- ◤ **Bypass measuring points**
- ◤ **Chemical production**
- ◤ **Water treatment**

Benefits:
- ◤ **Flexible design**
- ◤ **DN25/1" or DN50/2"**
- ◤ **90° or 180° flow direction**
- ◤ **Best sensor position**
- ◤ **PVDF**
- ◤ **Wide variety of process connections**
- ◤ **Up to 6 bar and 120°C**

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