

# Control filters



## **Advantages of control filters:**

Control filters are used as a safety feature of an installation. All dirt particles above a certain size are captured.

Their purpose is twofold: to signal a problem in the upstream of the installation, while protecting the downstream of the installation.

## **Advantages of UDI control filters:**

**UDI** control filters 1900 are available as in-line and angle filters.

The water is filtered from the inside to the outside. The dirt is captured on the inside of the filter element. Draining is possible through the valve mounted on the cover.

The 400 and 130-micron filter elements are equipped with reinforced stainless steel filter screen.

## **Coating:**

In preparation for the coating, the filters are provided with a special layer of zinc phosphate. This treatment ensures proper adhesion of the coating, and protects against rusting-through from the inside.

Subsequently, the polyester coating is applied electrostatically, both internally and externally, before being furnace-hardened. The entire process involves 7 steps, and results in a perfect coating with a thickness of approximately 120 microns.

## **Applications:**

- Control filter after a media filter
- Control filter after cyclones
- Control filter in distribution systems
- Control filter behind relatively clean water intake or recirculation



# UDI<sup>®</sup> Control filters series 1900

## Technical data

### Model:

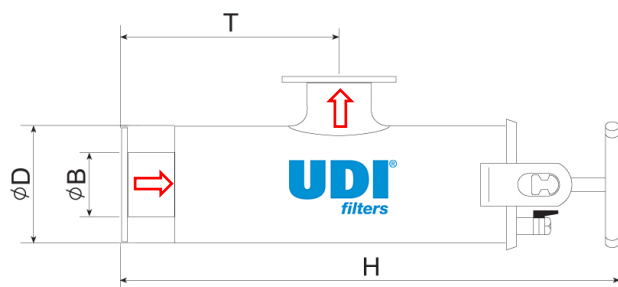
- Angle model

### Materials:

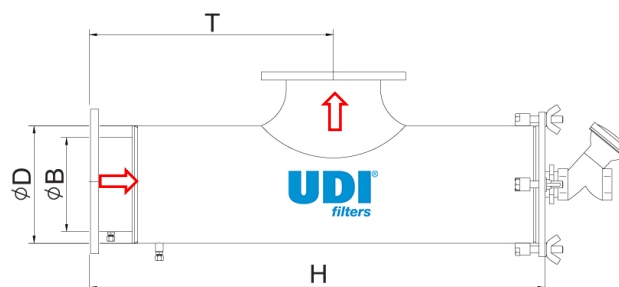
- Polyester-coated steel
- Neoprene rubbers
- PVC interior elements with stainless steel filter screen  
Perforation: 130 and 400 micron

### Technical specifications:

- Maximum pressure: 10 bar
- Max. working pressure: 8 bar
- Max. operating temperature: 55 °C
- pH 5-9 resistant
- Filter screen on the inside of the element



Angle 3" and 4"



Angle 6", 8", 10" and 12"

Type: angle	Unit	4U19903F	4U19904F	4U19806F	4U19808F	4U19810F	4U19812F
Cross-section Ø B	inch	3"	4"	6"	8"	10"	12"
Cross-section Ø D	inch	8"	8"	10"	10"	14"	16"
Capacity, max*	m³/h	60	100	250	350	500	650
Flange (ISO 7005 PN10)							
Pitch C	mm	160	180	240	295	350	400
Bolt holes	mm	8 x Ø18	8 x Ø18	8 x Ø22	8 x Ø22	12 x Ø22	12 x Ø22
Overall length T	mm	310	320	460	570	610	780
H	mm	680	680	820	1060	1115	1210
Weight	kg	26	27	45	55	105	152

\* Capacity related to 400-micron perforation

# Control filters series 1900

## Technical data



### Model:

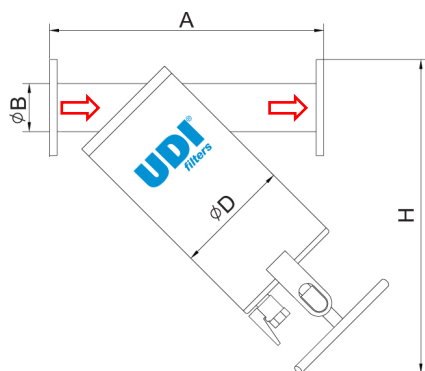
- In-line model

### Materials:

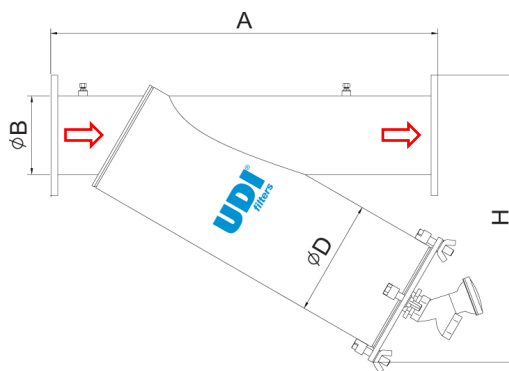
- Polyester-coated steel
- Neoprene rubbers
- PVC interior elements with stainless steel filter screen  
Perforation: 130 and 400 micron (other perforations upon request)

### Technical specifications:

- Maximum pressure: 10 bar
- Max. working pressure: 8 bar
- Max. operating temperature: 55 °C
- pH 5-9 resistant
- Filter screen on the inside of the element



In-line 3" and 4"



In-line 6", 8", 10" and 12"

Type: in-line	Unit	4U19003F	4U19004F	4U19606F	4U19708F	4U19710F	4U19712F
Cross-section Ø B	inch	3"	4"	6"	8"	10"	12"
Cross-section Ø D	inch	8"	8"	10"	12"	14"	16"
Capacity, max*	m <sup>3</sup> /h	60	100	250	350	500	650
Flange (ISO 7005 PN10)							
Pitch C	mm	160	180	240	295	350	400
Bolt holes	mm	8 x Ø18	8 x Ø18	8 x Ø22	8 x Ø22	12 x Ø22	12 x Ø22
Overall length T	mm	540	565	750	1080	1290	1400
H	mm	600	600	765	800	825	925
Weight	kg	26	27	53	86	110	165

\* Capacity related to 400-micron perforation



Subject to modifications  
No liability accepted for errors or misprints

# **UDI<sup>®</sup>** **Control filters series 1900** *filters* **Technical data**