

Self-Cleaning Filters

TYPE DELTA-STRAIN 960-S/L / -XL

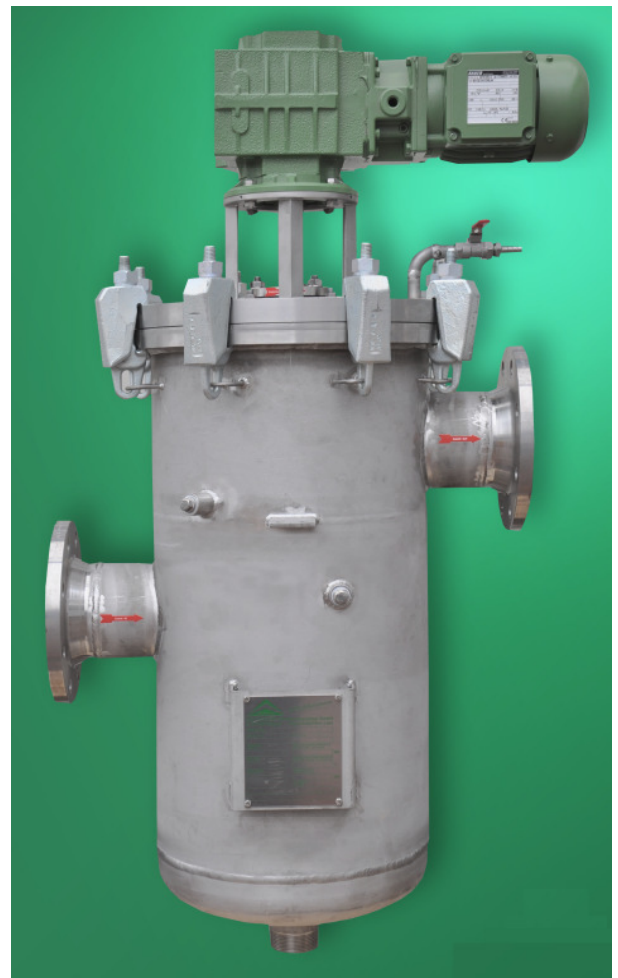
For Hydrous, Viscose and Super-Viscose Media

The DELTA-STRAIN is a logic, cost-efficient and environmental-protecting way of filtration. DELTA-STRAIN is the trade name of DELTAFILTER Filtrationssysteme GmbH.

- No cartridge filters waste
- Self-cleaning without interruption of process
- Robust and user-friendly filter housing in two parts
- Closure with segment-screw clamps
- Low operating costs due to a long service life
- No special spare part stockholding is necessary
- Simple and time-saving maintenance – no dismounting of pipelines
- Internal filter parts are removable upwards
- Filter rates nominal 25 µm – 3000 µm

OPTIONS

⊕-protection ATEX-conformable acc. directive 2014/34/EU, perforated elements for gel-like particles, fibres, algae etc., special voltage, special seals, automatic drain-system, sluices, heating jacket, differential pressure indicator, wall-holders, TÜV acceptance etc.



DELTA-STRAIN 960-S/L,
1.4571, 10 bar

Some branches of industry for example:

Automobile industry
Beverages and food industry
Chemical industry
Cosmetic industry
Dye, paint and lacquer industry
Electronics industry
Metalworking and steel industry
Mineral oil industry
Paper industry
Plastics industry
Water supply and wastewater treatment companies etc.

Please take care of the product description and the technical dimensions on the back ▶

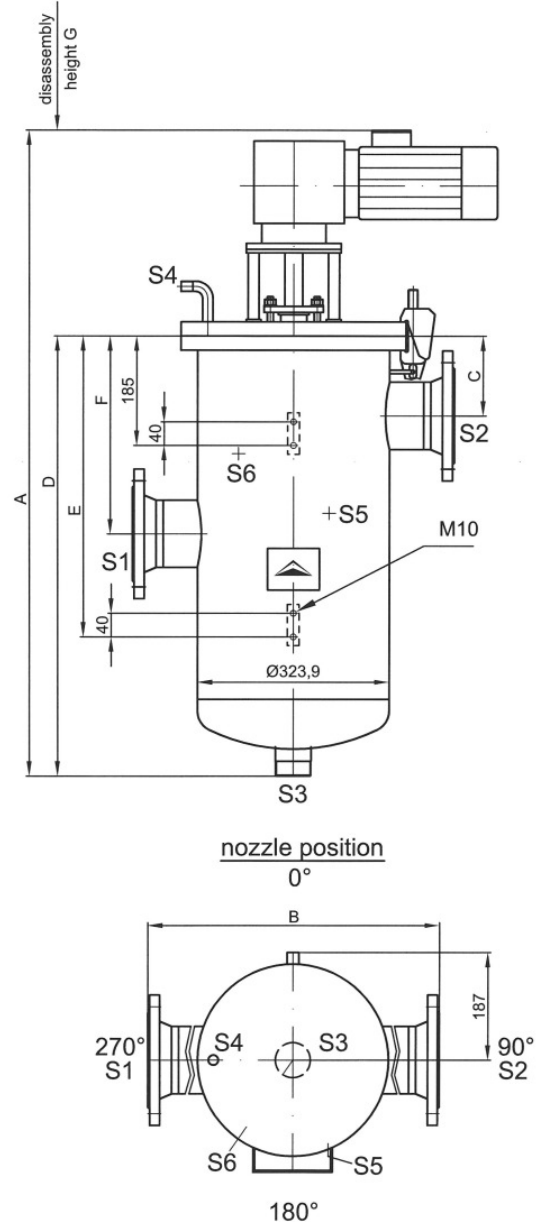
Product Description

The filter housing, constructed of two parts, has a cover with motor-holder and gear-motor. The cover can be dismantled upwards. The closure is done by segment-screw clamps. The filter system of DELTAFILTER Filtrationssysteme GmbH is extremely robust and designed for extreme applications. The filter element and the cleaning-system can be dismantled upwards together with the cover as one unit without special tools. The dirt is removed from the filter element by flexible scraper-blades of stainless steel and sinks downwards in the mud reservoir of the sump. The dirt can be discharged by a manual ball-valve or optional by an automatic cut off device, which can be controlled by the time or by the differential pressure. Liquid losses are limited. Sluices can be delivered optionally for the concentration of the dirt. The standard type of the filter housing has two mounting blocks with female threads.

Technical data

Design and calculations:	PED 2014/68/EU, AD2000
Material of housing:	1.4571 (316Ti) ^{1,2}
Material of filter element:	1.4404 (316L), 1.4435 (316L) 1.4571 (316Ti)
Material of other internal parts:	1.4571 (316Ti), 1.4310
Max. allowable pressure:	10 bar ¹
Max. allow. temperature:	80°C ¹
Housing gasket:	O-ring FPM
Filter rates nominal:	25 µm – 3000 µm ³
Drive:	gear-motor
Motor data:	400 V, 50 Hz, 180 W ¹
Motor protection:	IP65 ¹

DELTA-STRAIN 960-S/L / -XL



TYP	DELTA-STRAIN-960-S/L	DELTA-STRAIN-960-S/L-XL
Inlet S1 / Outlet S2	DN100, PN16, Form B1	DN150, PN16, Form B1
Discharge S3	BSP 2" outer thread ⁴	BSP 2" outer thread ⁴
Ventilation S4	BSP 3/8" + ball valve ⁴	BSP 3/8" + ball valve ⁴
Δp S5 + S6	BSP 1/4" inner thread	BSP 1/4" inner thread
Flow capacity for 100 µm and clean water	72 m³/h	72 m³/h
Flow capacity for 150 µm and clean water	85 m³/h	96 m³/h
Built-in height A in mm	1085	1150
Dimension B in mm	550	550
Dimension C in mm	135	175
Dimension D in mm	745	815
Dimension E in mm	510	585
Dimension F in mm	335	430
Disassembly height G (element) in mm	630	710
Weight in kg	ca. 118	ca. 129

- ¹ Optional other materials, pressures, temperatures, voltages, protection ratings etc.
- ² Surface pickled and passivated
- ³ Optional perforated elements (gel-like particles, fibres, algae etc.)
- ⁴ Optional with flange connections

Illustration, weights and measures are only indices.

We manufacture self-cleaning filters in special construction and alternative material! Our self-cleaning filters model DELTA-STRAIN are available for flow capacities up to 250 m³/h as standard versions – higher flow capacities on request. We will prepare a detailed quotation for you. Test filters are available.

07/16 - Technical changes reserved!