

Self-Cleaning Filters

MODEL DELTA-STRAIN 1200-RS

For 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
- Special design by self-cleaning without interruption of process
- Quick and easy cleaning through the *complete demountable filter unit with cleaning- and conveyance-system*
- Low operating costs due to a long service life
- Solid filter housing, in three parts, with closure of segment-screw clamps and a conical collector for the dirt
- No special spare part stockholding is necessary
- Simple and time-saving maintenance – no dismantling of pipelines
- 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 materials, special seals, sluices, coatings, heating jacket, TÜV acceptance etc.

Some branches of industry for example:

Automobile industry
Chemical industry
Electronics industry
Paint and lacquer industry
Semiconductor industry
Cosmetic industry
Plastics industry
Beverages and food industry
Metalworking and steel industry
Mineral oil industry
Paper industry
Pharma industry
Water supply and wastewater treatment companies etc.



DELTA-STRAIN 400-RS,
1.4571, 10 bar

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

Product Description

The filter housing, constructed of three 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 is designed for extreme applications. The filter elements with cleaning- and conveyance-system can be dismantled upwards as one unit without special tools. The dirt is removed from the filter element by two flexible scraper-blades of stainless steel. The conveyance-system carries the dirt in the conical collector. The main flow direction in the filter is from top to bottom. This also supports the sedimentation. The dirt in the collector can be discharged by a manual or an automatic cut-off device. An automatic purge system includes an actuator and a time controller. Liquid losses are limited. Sluices can be delivered optionally for the concentration of the dirt. The standard type of the filter housing has two dummy sheets.

Technical data

Design and calculations PED 2014/68/EU, AD2000

Material of housing: 1.4571 (316 Ti)^{1,2}

Material of filter element: 1.4435 (316 L),
1.4404 (316 L),
1.4571 (316 Ti)

Max. allowable pressure: 10 bar¹

Max. allow. temperature: 80°C¹

Housing gasket: O-ring FPM¹

Filter rates nominal: 25 µm – 3000 µm³

Weight (empty): ca. 270 kg

Drive: gear motor

Motor data: 400 V, 50 Hz, 250 W¹

Motor protection: IP65¹

Flow capacity for:
(in relation to clean water)

50 µm	100 µm	150 µm and coarser
144 m³/h	180 m³/h	250 m³/h

Connections

S1 Inlet	DN200, PN16, Form B1
S2 Outlet	DN200, PN16, Form B1
S3 Discharge	DN80, PN16, Form B1
S4 Ventilation	R 3/8" with ball-valve and hose nipple
S5 Flushing	DN50, PN16, Form B1

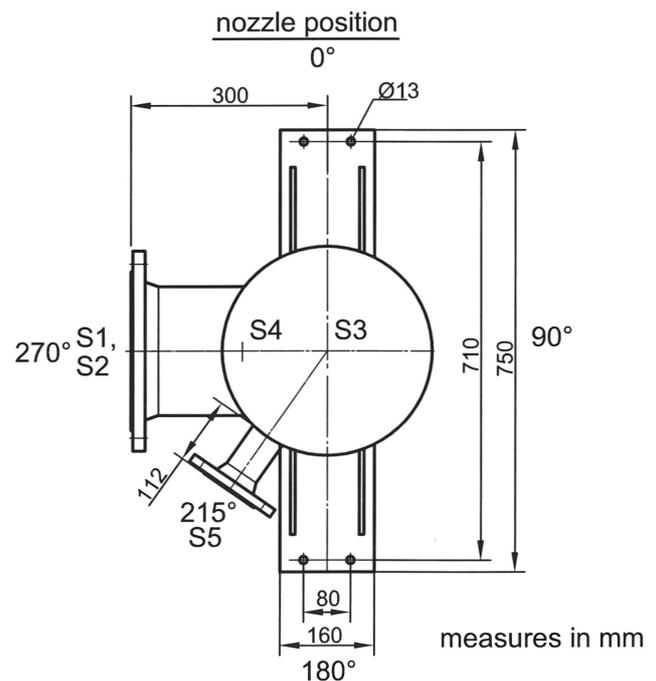
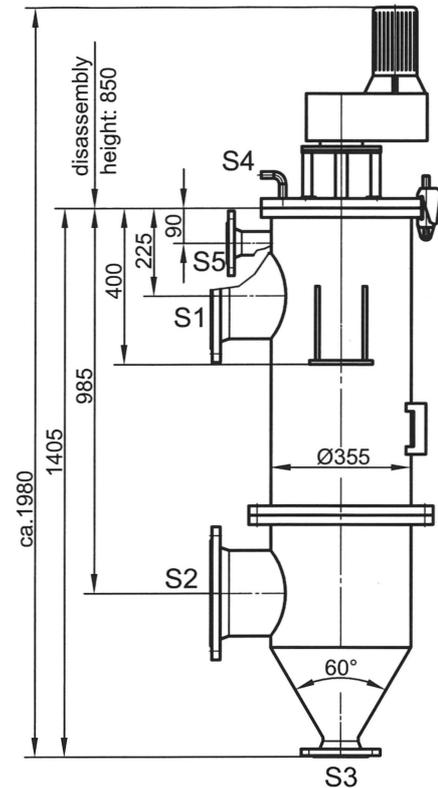
Illustration, weights and measures are only indices.

We manufacture self-cleaning filters in special construction and alternative material! Our self-cleaning filters of range 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!

DELTA-STRAIN 1200-RS



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.)