

Self-Cleaning Filters

MODEL DELTA-STRAIN 35-D/L

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.

- Smallest design
- Filtration of smallest quantities, also in labs
- Flow capacity from 10 l/h up to 4000 l/h (50 µm - 100 µm filtration in relation to clean water)
- Filtration rates nominal 25 µm – 3000 µm
- 0.8 litre dead space volume
- In- and outlet at the same level
- No cartridge filters waste
- Self-cleaning without interruption of process
- Low operating costs due to a long service life
- Robust and easy operating filter housing in two parts with union nut
- No dismantling of pipelines and gear motor for maintenance and inspection
- No special spare part stockholding is necessary

OPTIONS

Ex-protection ATEX-conformable acc. directive 2014/34/EU, gear motor with special voltage, high-pressure version, special seals, automatic drain-system, sluices, heating jacket etc.



DELTA-STRAIN 35-D/L
with EX-proved and normal motor

Some typical applications:

Automobile industry Refrigeration and Lubrication liquids, Greases etc.

Chemical industry Ammonia, Solvents, Softening agents, Glycoles, Lyes, Adhesives, Chemical base materials, Cooling water, Suspensions, Waste liquids etc.

Paint and lacquer industry Varnishes, Paints, Dispersions, Underseal, Tar products, Filler, Glazes etc.

Beverage industry Wineries (Must filtration), Breweries, Distilleries etc.

Cosmetic industry Soaps, Fats, Essences, Tooth-pastes etc.

Plastics industry Base products, PVC and PU Pastes, Softener, Rubber products, Silicones, Adhesives, Coatings etc.

Foods industry Sweets, Milk, Oils, Fats, Flavours, Concentrates, Treacles, Fruit juices etc.

Metalworking industry Coolants, Emulsions, Rolling oil, Cutting oil, Hardening oil, Hydraulic fluid etc.

Mineral oil industry Oils, Greases, Benzol, Petrols, Waste oils, Diesel, Paraffin etc.

Electronics industry, Optic industry, Pulp & Paper industry, Leather industry, Steel industry, Wastewater and Water supply companies etc.

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

Product Description

Filter system in two parts with quick clamp and sump, which can be removed downwards. The filter system of DELTAFILTER Filtrationssysteme GmbH is extremely robust and designed for extreme applications. If required, the filter element can be dismantled completely without special tools. When reinserting the element, no special position is required. Seals are not needed for the filter element. The dirt is removed from the filter element by a flexible scraper-blade 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.

Filter head material: 1.4571 (316Ti) ¹

Filter sump material: 1.4571 (316Ti), outside polished

Filter insert material: 1.4404 (316L), 1.4435 (316L),
1.4571 (316Ti)

Material of other

internal parts: 1.4571 (316Ti), 1.4310

Housing seal: O-ring FPM ¹

Max. allow. pressure: 16 bar ¹, optional high-pressure version

Max. allow. temperature: 80°C ¹, optional high-temperature version

Filter rates nominal: 25 µm - 3000 µm ²

In- and outlet: 1" BSP inner thread

optional with flange connection DN25, PN16, B1 acc. EN 1092-1
or welding male part DN25 according to German DIN 11851

Discharge: ½" BSP outer thread, optional with ball valve

Motor: three-phase, high quality electrical, robust engine

Motordata (Standard): 400 V, 50 Hz, 90 W, IP65 ¹

Motordata (EX-proved): 400 V, 50 Hz, 120 W, IP65 ¹, Ex-protection according to II 2 G Ex e T3

Fastening: by the pipeline

Weight (empty): around 12 kg

Flow capacity: 10 l/h up to 4000 l/h

(50 µm and coarser - filtration in relation to clean water)

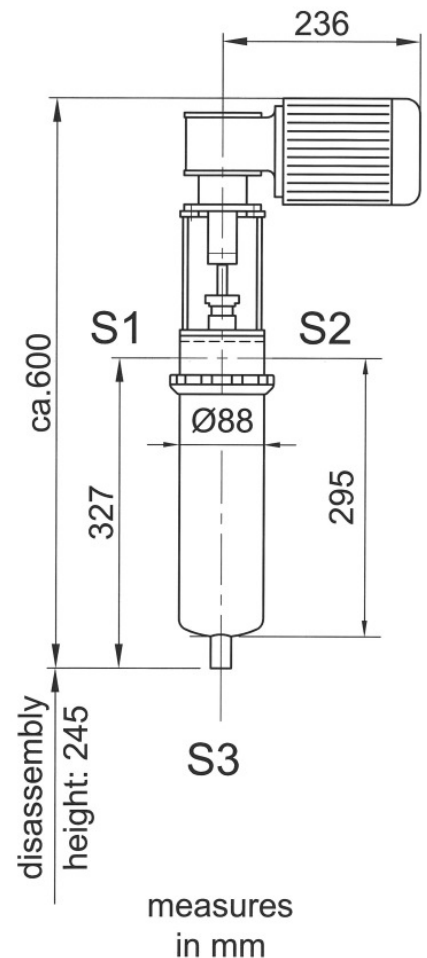
Illustration, weights and measures are only indices.

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 35-D/L



¹ Optional other pressures, temperatures, voltages, protection ratings etc.

² Optional perforated elements (gel-like particles, fibres, algae etc.)