



CS series

SEPARATOR CARTRIDGES

LIQUID - LIQUID

DIAMETER 95 - 100 - 152 mm

MAIN APPLICATIONS:

- FINE CHEMICAL
- PETROCHEMICAL
- OIL & GAS
- POWER GENERATION
- GENERAL INDUSTRIES

CHARACTERISTICS:

- Large diameter design for large flow-rate
- Available with three diameters
- Excellent separation efficiency
- Low initial pressure drop
- Flow direction from outside to inside
- Filter media highly hydrophobic made of PTFE coated wire mesh, suitable for easy washing to be reused and long last in service
- Filter media available also in synthetic mesh or pleated silicone coated paper.
- Stainless steel core
- Stainless steel or reinforced polyamide hardware
- Specifically designed for the final water removal from liquid hydrocarbons
- Disperses phase separation efficiency from 99% to 99.9%
- Three end-caps style available

ASCO FILTRI

a **mott** company

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TECHNICAL DATA

DIFFERENTIAL PRESSURE

Cartridge cleaning:

0.5 bar @ 25 °C

Max. allowable:

5.0 bar @ 25 °C

WORKING TEMPERATURE

120 °C

CONSTRUCTION MATERIALS

Separator media:

- PTFE coated wire mesh
- Synthetic mesh
- Silicon coated paper

End caps:

- Stainless steel
- Polyamide/FRP

Inner core:

- Stainless steel

Gaskets:

- Buna-n
- EPDM
- Viton

DIMENSIONS

Diameter:

OD 152 mm

OD 100 mm

OD 95 mm (Pall SOE only)

Length:

09: 235 mm

14: 362 mm

20: 508 mm

28: 727 mm

38: 965 mm

44: 1130 mm

Description

The separator elements acting for the final separation in the double stages liquid/liquid coalescer filters.

The coalescer cartridges in the first stage, also generate small size drops that are entrained by the main liquid; separator elements shall prevent the passage of these liquids, while the solids present were retained from the coalescer cartridges of the first stage.

Filtration takes place from outside to inside, the water droplets are stopped on the outer surface of the separator cartridges for repulsion. The most commonly used filtering media is constituted by a stainless steel wire mesh PTFE coated which is known to be a hydrophobic material. The entrained water droplets increasing their weight thanks to the agglomeration and settling in the bottom of the filter due to the gravity. The PTFE coated wire mesh separating cartridges can be easily regenerated.

The synthetic mesh, have the same functionality as those in PTFE coated with lower costs but can be regenerated fewer times.

The separator cartridges are also available in disposable pleated silicone coated paper; this solution can not be used in horizontal filters.

The separator cartridges are used in all applications when separation of aqueous solutions from the continuous phase it is required.

Contact us for any further information.

We reserve the right to change the data of this specification without notice.

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