

# SEPARATOR (SPR)

FILTER WITH CENTRIFUGAL SEPARATION



**DANGO & DIENENTHAL**  
BETTER VALUES.

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# SEPARATORS SPR 1 & SPR 5

## FILTERS WITH CENTRIFUGAL SEPARATION

Centrifugal separation is particularly suited to the separation of specific heavy particles from low-viscosity liquids such as water and emulsions.

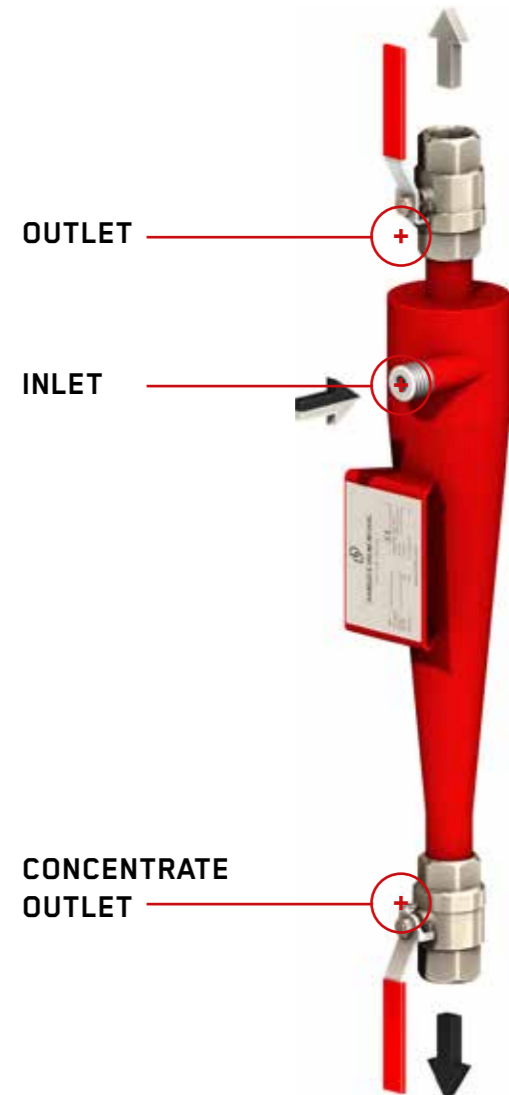
### FILTER HOUSING

Standard design	Coated steel
Special design	Stainless steel

Special designs possible for special filter housings and technical specifications. Feel free to contact us! We are happy to advise you.

### TECHNICAL DATA

Flow rate	0.5 to 6 m <sup>3</sup> /h
Filter fineness	Approx. 40-60 µm depending on the density difference
Dirt load	Max. 1 to 10 g/l
Operating pressure	2 to 10 bar
Pressure loss with clean filter	0.8 to 3.0 bar
Temperature	-10 to +110°C
Threaded connection	G ¼", G ¾", 1"

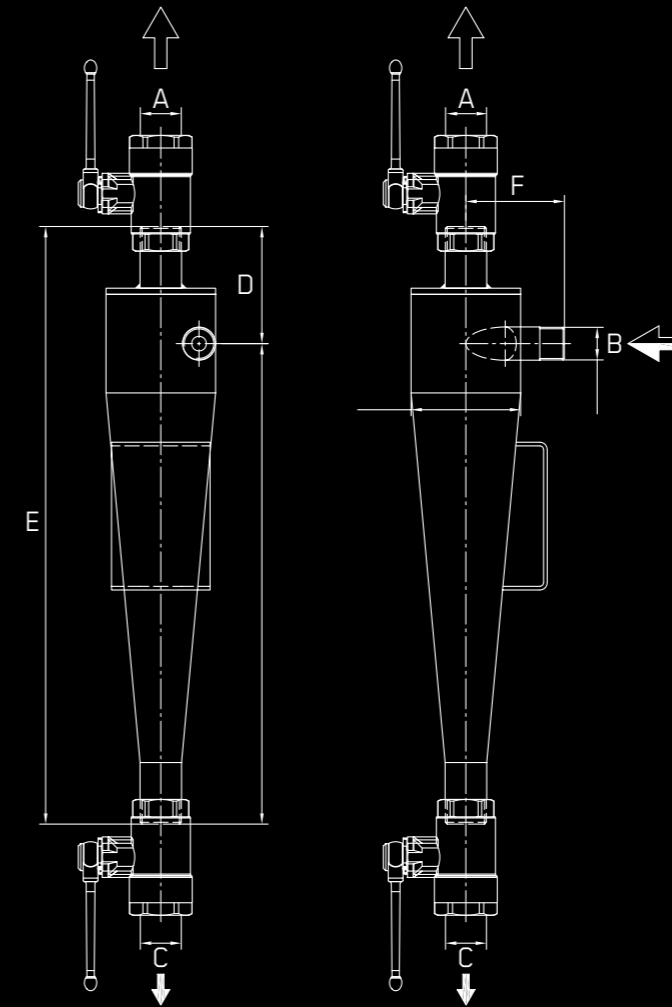


### SEPARATION PRINCIPLE

The Separator (SPR) is a fully automatic separation and purification device for liquid media specifically designed for the separation of heavy solids.

The raw water enters the separator via the inlet flange. The housing contains a turbo spiral which sets the medium in rotation.

The resulting centrifugal forces act on the heavy particles (> 1.3 kg/dm<sup>3</sup>) in the outer vortex. In the lower area of this separation block, the medium starts to move upwards again at the inner tube (inner vortex).



TYPE / m <sup>3</sup> /h	OUTLET	INLET	CONCENTRATE OUTLET	DIMENSIONS IN MM		
	A	B	C	D	E	F
SPR 1 0,5-2,0	G ¼"	G ¼"	G ¼"	95	390	50
SPR 5 3-6	G ¾"	G 1"	G 1"	151	597	80

### OUR FILTER SYSTEMS PROTECT

- ⊕ Plate heat exchangers
- ⊕ Spray nozzles
- ⊕ Piping systems
- ⊕ Mechanical seals
- ⊕ Pumps
- ⊕ Microfiltration systems
- ⊕ The environment

### THE NEW DEFINITION OF PURITY FOR YOUR MEDIUM

- ⊕ Cooling & river water
- ⊕ Seawater & ballast water
- ⊕ Sinter & scale water
- ⊕ Drinking & well water
- ⊕ Wastewater treatment plant discharge water
- ⊕ Oils & emulsions

### ADVANTAGES

- ⊕ Separation of high quantities of solids
- ⊕ Robust design
- ⊕ Diversity of materials
- ⊕ Low wear and tear (no moving parts in the filter)
- ⊕ Easy installation
- ⊕ Low concentrate losses from 3 to 10%

**WE ARE HERE TO ASSIST YOU**

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Or by e-mail: [post@dds-filter.com](mailto:post@dds-filter.com)

Monday-Friday:

You can find us at the following address:

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