



## SFU+ / SFUP+

### slubstream filters with pump

Corrosion occurs in many pipework systems found in cooling and heating installations. The same is also true of process water systems and in loop pipes, pumps, boilers and heat exchangers. Using SOTEX SDF part-flow filters can considerably improve the quality of the transported medium. More information on the SDF part-flow filters can be found in the relevant product sheet.

A pump is needed when installing a part-flow filter. SOTEX has selected a complementary centrifugal pump for each type of part-flow filter. To make things as easy as possible, SOTEX has the SFU+ series. This series of part-flow filters is supplied with connecting pipework from and to the pump, all of which is pre-assembled on a stainless steel tubular frame. The system is connected to the SFU+ installation by means of flange connections. The SFU+ is available in the capacities 2, 6, 12, 20, 36, 54, 72 and 108 m<sup>3</sup>/h.

The SOTEX SFUP + is completely the same as the SOTEX SFU+ type, but characterized by an extra feature, a digital differential pressure sensor.

In the center of the unit you will find the pressure difference sensor which you still have to connect to your system. The DIN plug for connecting is included.



SOTEX SFU20+



SOTEX SFUP12+

#### Technical data sensor:

Pressure range : 0 ... +1.6 bar, single-sided  
overpressure max. 3.2 bar  
Output/power supply : 4 - 20 mA / 11-33 VDC, 2-wire

|                                  |       |
|----------------------------------|-------|
| including tripod                 |       |
| magnet bar 12"                   | ✓     |
| magnet bar 24"                   | -     |
| max. no. of magnets (1 standard) | 1     |
| air vent(s) included             | ✓     |
| two pressure gauges              | ✓     |
| drain valve                      | ✓     |
| eye bold locking lid             | ✓     |
| complementary pump               | Alpha |
| motor power [kW]                 | 0.040 |
| electr. connection (50 Hz) [VAC] | 1-230 |
| filter bag included (50 µm)      | 2     |
| diameter filter [mm]             | 114   |
| height filter [mm]               | 362   |

|                                       |          |
|---------------------------------------|----------|
| 2x system connection                  |          |
| max. capacity [m <sup>3</sup> /uur]   | 2        |
| system pressure [bar]                 | 0.5 ~ 10 |
| max. temperature [°C]                 | 90       |
| Max. system content [m <sup>3</sup> ] | 46       |
| with s.s. tube frame [mm]             | 530      |
| depth s.s. tube frame [mm]            | 460      |
| height unit (± 50) [mm]               | 1,450    |

The medium comes into contact with the following materials: stainless steel 304 filter housing, galvanized piping (2 to 54), steel piping (72 to 108), cast iron (pump), brass-nickel / brass / stainless steel accessories and polyester filter bags.

| SFU2+  | SFU6+        | SFU12+       | SFU20+       | SFU36+       | SFU54+       | SFU72+        | SFU108+       |
|--------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|
| -      | ✓            | -            | -            | -            | ✓            | -             | -             |
| -      | -            | -            | -            | -            | ✓            | -             | -             |
| 1      | -            | -            | -            | 4            | -            | -             | 2x 4          |
| -      | -            | -            | ✓            | -            | -            | -             | -             |
| -      | -            | -            | ✓            | -            | -            | -             | -             |
| -      | -            | -            | ✓            | -            | -            | -             | -             |
| -      | -            | -            | ✓            | -            | -            | -             | -             |
| Alpha  | TP32         | TP40         | TP50         | TP65         | TP80         | TP100         | TP125         |
| 0.040  | 0.25         | 0.25         | 0.37         | 0.55         | 1.5          | 1.5           | 2.2           |
| 1-230  | 3-400        | 3-400        | -            | -            | 3-400        | -             | -             |
| -      | -            | -            | -            | 2            | -            | -             | -             |
| -      | 114          | -            | -            | 195          | -            | -             | 2x 195        |
| -      | 362          | 518          | 590          | 980          | -            | -             | 2x 980        |
| R ¾" F | DN32<br>PN10 | DN40<br>PN10 | DN50<br>PN10 | DN65<br>PN10 | DN80<br>PN16 | DN100<br>PN16 | DN125<br>PN16 |
| 2      | 6            | 12           | 20           | 36           | 54           | 72            | 108           |
| -      | -            | 0.5 ~ 10     | -            | -            | -            | 0.5 ~ 16      | -             |
| 90     | -            | -            | -            | 120          | -            | -             | -             |
| 46     | 138          | 276          | 460          | 828          | 1,242        | 1,656         | 2,484         |
| 530    | 700          | -            | 900          | -            | 1,000        | 920           | 1,200         |
| 460    | 400          | -            | 700          | -            | 1,000        | 920           | 1,100         |
| 1,450  | 1,030        | 1,150        | 1,335        | 1,540        | -            | 1,595         | -             |