



SFU+

slubstream filters with Lowara pump

The SOTEX SFU+ partial flow filter unit is a very efficient way to remove dirt from the water in your central heating or cooling installation, which is caused by various chemical and physical processes. To prevent wear and damage to your installation, the use of the SOTEX SFU+ is an absolute necessity.

The basis of the SFU+ is formed by a SOTEX SDF stainless steel bag filter. A polyester filter bag is placed in the stainless steel filter housing. The fineness of these filter bags is available in 5 µm and 50 µm. A strong neodymium magnet is provided as standard, which ensures the removal of iron particles and magnetite. It is possible to place multiple magnets in the filter (optional, from model 20 m³/h).

The SFU+ is equipped with 2 pressure gauges. As soon as there is sufficient pressure difference, the filter bag is contaminated and must be replaced. The whole is beautifully assembled in a stainless steel frame. In short, a 'plug-and-play' unit.

The SOTEX SFU+ is preferably connected in the main flow return of the installation in partial flow, so that the heating boiler and/or CHP are optimally protected.

As a guideline, we maintain that the capacity of the SFU+ must be at least 10% of the main flow in the closed climate installation.



SOTEX SFU20+ LNEE 400V

Supplied with a pump from



	SFU6+	SFU12+	SFU20+	SFU36+	SFU54+	SFU72+	SFU108+
magnet bar 12"	✓	✓	-	-	-	-	-
magnet bar 24"	-	-	✓	✓	✓	✓	✓
max. no. magnet bars (standard 1 pc)	1			4		2x 4	
including micro bubble deaerator(s)	✓	✓	✓	✓	✓	✓	✓
two pressure gauges 0-6 bar	✓	✓	✓	✓	✓	✓	✓
drain valve	✓	✓	✓	✓	✓	✓	✓
filter cover with eyebolt closure	✓	✓	✓	✓	✓	✓	✓
complementary Lowara pump	LNEE 32	LNEE 40	LNEE 50	LNEE 65	LNEE 80	LNEE 100	LNEE 125
connection voltage [VAC]	3~400V 50Hz 3~440 / 480V 60Hz 3~575V 60Hz						
e-motor power [kW]	0,25		0,37	0,75		2,2	
I _{nom} ~ 400V 50Hz (indicative) [A]	0,69		0,99	1,62		4,56	
I _{nom} ~ 440V / 480 60Hz (indicative) [A]	0,63 / 0,60		0,91 / 0,88	1,54 / 1,48		4,19 / 3,88	
I _{nom} ~ 575V 60Hz (indicative) [A]	0,49		0,68	1,16		3,17	
filter bag included (50 µm)	2 (one already placed in SDF filter housing upon delivery)						
diameter filter housing [mm]	114	114	195	195	195	2x 195	2x 195
height filter housing [mm]	362	518	590	980	980	2x 980	2x 98
2x system connection - PN16	DN32	DN40	DN50	DN65	DN80	DN100	DN125
max. capacity [m ³ /hour]	6	12	20	36	54	72	108
max. system press. [bar]	6 (by applied pressure gauges)						
max. temperature [°C.]	90						
max. system content [m ³]	138	276	460	828	1.242	1.656	2.484
net weight (indicative) [kg]	46	54	93	96	148	187	335
width s.s. tube frame [mm]	700	700	900	900	1.000	1.250	1.400
depth s.s. tube frame [mm]	400	400	700	700	1.050	1.400	1.600
height of the unit [mm]	1.030	1.150	1.335	1.540	1.595	1.540	1.595

(dimensions subject to change - weights indicative)