

Microfilters/Sub-microfilters

Field of application: These filters are used to separate the finest oil and water aerosols and hard contaminants having particle sizes up to 0.05 µm (MF), 0.01 µm (SMF) µm. Multi-layer 3 dimensional fibre fleece with nano fibre technology.

Applications: These deep-bed filters are used in instrumental air and control air in the chemical, petrochemical and pharmaceutical industries and also in plastic, food, beverage and process industries including general mechanical engineering, painting companies and air conditioning. We recommend the upstream connection of a prefilter to increase the service life.

Materials: Housing: Aluminium with blue polyester resin coating, filter medium: Free of binding agents borosilicate glass with aluminium end caps, O-rings: NBR (silicone and free of releasing agent), support casing: Stainless steel

Temperature range: Max. +80°C

Input pressure: 1 - 16 bar

Condensate drain: Hose nozzle for internal hose Ø 8 (steam trap is mounted in a condensate borehole G 1/2")

Supply volume: Filter housing, filter element, differential pressure gauge and automatic steam trap

Microfilters - MF

0.03 mg/m³

Residual oil content (with inlet concentration of 3 mg/m³): = 0.03 mg/m³

Separation efficiency (relating to particle 0.01 µm): 99.99998%

Type complete filter	Connection	Max. flow*	Replace. elements
MF 0002	G 1/4" (FT)	40 m³/h	MF 02/05
MF 0004	G 3/8" (FT)	60 m³/h	MF 03/05
MF 0006	G 3/8" (FT)	90 m³/h	MF 03/10
MF 0009	G 1/2" (FT)	120 m³/h	MF 04/10
MF 0012	G 1/2" (FT)	180 m³/h	MF 04/20
MF 0018	G 3/4" (FT)	270 m³/h	MF 05/20
MF 0027	G 1" (FT)	360 m³/h	MF 05/25
MF 0036	G 1 1/4" (FT)	480 m³/h	MF 07/25
MF 0048	G 1 1/2" (FT)	720 m³/h	MF 07/30
MF 0072	G 2" (FT)	1080 m³/h	MF 10/30
MF 0108	G 2" (FT)	1440 m³/h	MF 15/30
MF 0144	G 2 1/2" (FT)	1920 m³/h	MF 20/30
MF 0192	G 3" (FT)	2880 m³/h	MF 30/30
MF 0288	G 3" (FT)	4320 m³/h	MF 30/50

Replacement part: steam trap standard, with float, 8 mm hose nozzle

KAU 12	G 1/2" (MT)	Used type PE/MF/SMF 0002 - 0108
UFM 12	G 1/2" (MT)	Used type PE/MF/SMF 0144 - 0288

* for +20°C and 7 bar overpressure, for other pressures refer to conversion table below

Wall bracket
WH 2
WH 2
WH 2
WH 12
WH 12
WH 12
WH 12
WH 12
WH 48
WH 48
WH 48
WH 144
WH 144



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Sub-microfilters - SMF

< 0.01 mg/m³

Residual oil content (with inlet concentration of 3 mg/m³): < 0.01 mg/m³

Separation efficiency (relating to particle 0.01 µm): 99.99999 %

Type complete filter	Connection	Max. flow*	Replace. elements
SMF 0002	G 1/4" (FT)	40 m³/h	SMF 02/05
SMF 0004	G 3/8" (FT)	60 m³/h	SMF 03/05
SMF 0006	G 3/8" (FT)	90 m³/h	SMF 03/10
SMF 0009	G 1/2" (FT)	120 m³/h	SMF 04/10
SMF 0012	G 1/2" (FT)	180 m³/h	SMF 04/20
SMF 0018	G 3/4" (FT)	270 m³/h	SMF 05/20
SMF 0027	G 1" (FT)	360 m³/h	SMF 05/25
SMF 0036	G 1 1/4" (FT)	480 m³/h	SMF 07/25
SMF 0048	G 1 1/2" (FT)	720 m³/h	SMF 07/30
SMF 0072	G 2" (FT)	1080 m³/h	SMF 10/30
SMF 0108	G 2" (FT)	1440 m³/h	SMF 15/30
SMF 0144	G 2 1/2" (FT)	1920 m³/h	SMF 20/30
SMF 0192	G 3" (FT)	2880 m³/h	SMF 30/30
SMF 0288	G 3" (FT)	4320 m³/h	SMF 30/50

Replacement part: steam trap standard, with float, 8 mm hose nozzle

KAU 12	G 1/2" (MT)	Used type PE/MF/SMF 0002 - 0108
UFM 12	G 1/2" (MT)	Used type PE/MF/SMF 0144 - 0288

* for +20°C and 7 bar overpressure, for other pressures refer to conversion table below

Wall bracket
WH 2
WH 2
WH 2
WH 12
WH 12
WH 12
WH 12
WH 12
WH 48
WH 48
WH 48
WH 144
WH 144

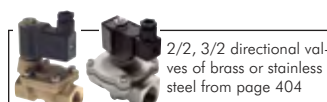


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Conversion tables for flow volumes

Operating pressure bar	1	2	3	4	5	6	7*	8	9	10	11	12	13	14	15	16
Conversion factor	0.25	0.36	0.5	0.6	0.75	0.9	1*	1.1	1.2	1.4	1.5	1.6	1.75	1.9	2	2.1

* standard



All data are considered to be unbinding reference values. We accept no liability for data selection that is not confirmed in writing. Pressure data refer, if not otherwise indicated, to liquids of Group II at +20°C.