

micro filter series FI04



design	micro filter, filter element aluminum borosilicate design plastic bowl respectively with protection cage - semi-automatic drain valve respectively automatic valve for drainage of condensate design metal bowl - manual drain valve respectively automatic valve for drainage of condensate
function	filtering of the compressed air, to filter small oil particles
filter element	0,01 µm, rest content of oil 0,01ppm, efficiency factor 99,9999%
connection	G1/4"...G1" according to ISO228/1
materials	body zinc die casting, condensate bowl polycarbonat or metal, seal NBR
medium	compressed air
medium temperature	with plastic bowl 0...+60°C, with metal bowl 0...+60°C (with appropriately conditioned compressed air -10...+60°C)
ambient temperature	with plastic bowl 0...60°C, with metal bowl -10...60°C
inlet pressure	1,5...16bar respectively 1,5...25bar according to table, with automatic drainage valve 4...12bar
flow direction	is marked by an arrow
type of fixing	installation in a pipe system or wall mounting with mounting bracket
mounting position	vertical, drain screw below
direction for use	to protect the filter elements a standard filter or preliminary filter must be connected upstream. when starting up the equipment the pressure should be increases slowly. recommended changing of the filter element when the pressure drop = 0,35bar

connection	flow at 6bar* [Nl/min]	maximum inlet pressure [bar]	weight [kg]	type
G1/4"	380	16	0,40	FI04-14-F0,01
G1/4"	380	16	0,45	FI04-14-P-F0,01
G1/4"	380	25	0,46	FI04-14-M-F0,01
G3/8"	380	16	0,37	FI04-38-F0,01
G3/8"	380	16	0,42	FI04-38-P-F0,01
G3/8"	380	25	0,43	FI04-38-M-F0,01
G3/8"	380	16	0,6	FI04-38H-F0,01
G3/8"	380	16	0,7	FI04-38H-P-F0,01
G3/8"	380	25	0,7	FI04-38H-M-F0,01
G1/2"	850	16	0,9	FI04-12-F0,01
G1/2"	850	16	1,1	FI04-12-P-F0,01
G1/2"	850	25	1,1	FI04-12-M-F0,01
G3/4"	4000	16	2,0	FI04-34-F0,01
G3/4"	4000	25	2,7	FI04-34-M-F0,01
G1"	4000	16	1,8	FI04-10-F0,01
G1"	4000	25	2,5	FI04-10-M-F0,01

*flow rate at input pressure of 6bar and 0,2bar pressure drop - 6bar/ $\Delta p=0,2bar$

accessories

designation	type
mounting bracket (completely) for G1/4" and G3/8" (type FI04-38)	MMB04-14/38-F0,01
mounting bracket (completely) for G3/8" (type FI04-38H) and G1/2"	MMB04-38H/12-F0,01
mounting bracket (completely) for G3/4" and G1"	MMB04-34/10-F0,01

illustrations are non-binding

all designs, configurations, measurements and materials are subject to change without prior notice