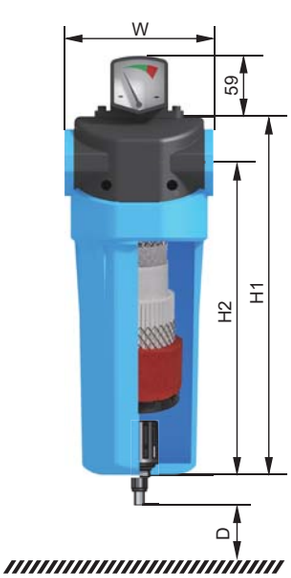
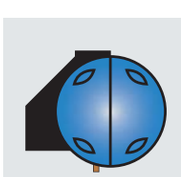
Filter

Floeriner's filters are designed for protection of the downstream compressed air system, equipment against defects and other failures. They ensure high efficient removal of solid particles, water, oil aerosols, hydrocarbons, odour and vapours from compressed air systems up to 16 bar. Required compressed air quality according to standard ISO 8573-1 can be achieved with 5 different grades of filter elements(P, R, M, S, A). Optional internal and external condensate drains should be used for efficient condensate draining from filter housing.

FILTER HOUSING DATA								FILTER ELEMENTS				
Filter housing size	Pipe size	Max. oper. Press.	Flow rate at 7 bar(g) 20 °C	Dimensions [mm]				P prefilter 3 µm	R prefilter 1 µm	M microfilter 0,1 µm	S microfilter 0,01 µm	A activated carbon
	inch	[bar]	Nm^3/h	W	H1	H2	D					
UF0060	G 1/2"	16	60	95	220	197	95	0060 P	0060 R	0060 M	0060 S	0060 A
UF0078	G 1/2"	16	78	95	220	197	110	0078 P	0078 R	0078 M	0078 S	0078 A
UF0120	G 3/4"	16	120	95	280	257	145	0120 P	0120 R	0120 M	0120 S	0120 A
UF0198	G 1"	16	198	125	320	290	185	0198 P	0198 R	0198 M	0198 S	0198 A
UF0335	G 1"	16	335	125	320	290	185	0335 P	0335 R	0335 M	0335 S	0335 A
UF0510	G 1 1/2"	16	510	125	400	370	230	0510 P	0510 R	0510 M	0510 S	0510 A
UF0780	G 2"	16	780	170	520	478	390	0780 P	0780 R	0780 M	0780 S	0780 A
UF1000	G 2"	16	1000	170	700	658	570	1000 P	1000 R	1000 M	1000 S	1000 A
UF1500	G 3"	16	1500	200	995	938	570	1500 P	1500 R	1500 M	1500 S	1500 A
UF1680	G 3"	16	1680	200	995	938	630	1680 P	1680 R	1680 M	1680 S	1680 A
UF2160	G 3"	16	2160	200	995	938	700	2160 P	2160 R	2160 M	2160 S	2160 A
UF2760	G 3"	16	2760	200	995	938	700	2760 P	2760 R	2760 M	2760 S	2760 A
							quality class - solids (ISO 8573-1)	6	3	2	1	1
							quality class - oils (ISO 8573-1)	——	——	2	1	——
							pressure drop - new element [mbar]	10	20	50	80	60
							change filter cartridge at pressure drop [mbar]	350	350	350	350	6 mouths





Specification	Value
operating pressure	2 to 16 bar
connections	1/2" to 3"
volume flow rate	60 to 2760 Nm³/h
operating temperature range	1.5 to 65°C
standard colour:	RAL 5015

CORRECTION FACTORS															
Operating pressure [bar]	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Operating pressure [psi]	29	44	58	72	87	100	115	130	145	160	174	189	203	218	232
Correction factor	0.38	0.5	0.63	0.75	0.88	1	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2	2.13

Outlet flow 7 bar(g) x Correction factor at different operating pressure = Outlet flow at different operating pressure.