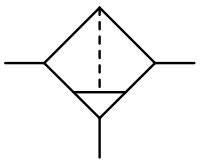
	pre-filter V	Fine filter Z
Description	Coarse filter for removing water and solid impurities.	Filters out oil, water and solid impurities. Resistant to mineral and synthetic oils.
Filter element	3 µm incoming flow from inside to outside.	1 µm incoming flow from inside to outside.
Filtration efficiency	99.99% based on 3 µm particle size	99.9999% at 1 µm particle size, residual oil content ≤ 0.5 mg/m³
Filter change	Cleaning required as from 0.35 bar differential pressure. Solid impurities removed by blowing from inside to outside. Oil to be cleaned in soap suds.	The filter must be changed as from 0.35 bar differential pressure or after one year at the latest.
Drainage	automatic drain as standard, optionally manual drain	
Temperature range	1 °C to 65 °C / 34 °F to 149 °F	
Operating pressure	max. 16 bar	
Material	Body/Bowl: chromated and powder-coated cast aluminium	



1 / 3 µm, up to G3
0.1 mg/m³ residual oil

Dimensions A mm	B mm	C mm	Bowl Design of / with	Capacity l	Flow rate m³/h*1	l/min*1	Filter element µm	Connection thread G	Order number
Micro pre-filter 3 µm									**FG. V**
69	194	173	aluminium /	0.2	30	500	3	G¼	**FG-02V**
89	293	269	automatic drain	0.8	60	1 000		G⅜	**FG-03V**
89	293	269		0.8	108	1 800		G½	**FG-04V**
89	293	269		0.8	132	2 200		G¾	**FG-A6V**
109	393	359		1.8	180	3 000		G¾	**FG-06V**
109	393	359		1.8	270	4 500		G1	**FG-08V**
109	540	506		2.7	372	6 200		G1¼	**FG-10V**
109	540	506		2.7	432	7 200		G1½	**FG-1AV**
150	576	535		4.9	732	12 200		G1½	**FG-12V**
150	954	913		8.0	1 050	17 500		G2	**FG-16V**
188	759	703		10.3	1 800	30 000		G2½	**FG-20V**
188	939	903		12.7	2 220	37 000		G3	**FG-24V**
Micro fine filter 1 µm									**FG. Z**
69	194	173	aluminium /	0.2	30	500	1	G¼	**FG-02Z**
89	293	269	automatic drain	0.8	60	1 000		G⅜	**FG-03Z**
89	293	269		0.8	108	1 800		G½	**FG-04Z**
89	293	269		0.8	132	2 200		G¾	**FG-A6Z**
109	393	359		1.8	180	3 000		G¾	**FG-06Z**
109	393	359		1.8	270	4 500		G1	**FG-08Z**
109	540	506		2.7	372	6 200		G1¼	**FG-10Z**
109	540	506		2.7	432	7 200		G1½	**FG-1AZ**
150	576	535		4.9	732	12 200		G1½	**FG-12Z**
150	954	913		8.0	1 050	17 500		G2	**FG-16Z**
188	759	703		10.3	1 800	30 000		G2½	**FG-20Z**
188	939	903		12.7	2 220	37 000		G3	**FG-24Z**

Micro pre-filter 3 µm — with automatic drain, 99,99% filtration efficiency, max. 16 bar

Micro fine filter 1 µm — with automatic drain, 99,9999% filtration efficiency residual oil ≤ 0.1 mg/m³, max. 16 bar

FG-04V

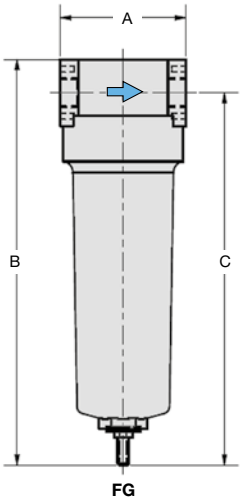
FG-04Z

Special options, add the appropriate letter

differential pressure gauge	FG-. . . **D**
replacement indicator	FG-. . . **E**
further sizes	

Accessories, enclosed

set of mounting brackets	made of steel	for G¼	**BW00-52**
		for G⅜ to G¾ (A6)	**BW00-53**
		for G¾ (06) to G1½	**BW00-54**
		for G1½ (12) and G2	**BW00-55**
		for G2½ and G3	**BW00-56**



FG

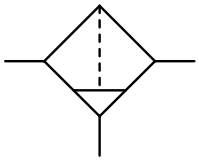
Flow rate conversion factor for other operating pressures																
operating pressure bar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
factor	0.25	0.38	0.5	0.65	0.75	0.88	1	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2	2.13

*1 at 7 bar operating pressure and open outlet. Pressure drop in new condition: **20 mbar** on pre-filter and **30 mbar** on universal filter. The maximum permissable flow rate is 10% higher than the indicated value.

PDF CAD
www.aircom.net

Order example:
FG-02V

	Super fine filter X	Activated Carbon Filter A
Description	The filter separates oil, water and solid impurities from compressed air or non-corrosive gases. It is resistant to mineral and synthetic oils.	Air filtered with this combination is virtually free from oil and odours.
Filter element	0.01 µm incoming flow from inside to outside	0.01 µm incoming flow from inside to outside
Filtration efficiency	99.99999% based on 0.01 µm particle size residual oil content ≤ 0.01 mg/m³ at 7 bar and 20 °C/68 °F	residual oil content ≤ 0.03 mg/m³ bei 7 bar and 20 °C/68 °F
Filter change	Cleaning required as from 0.35 bar differential pressure, at the latest after 3 months.	Cleaning required as from 0.35 bar differential pressure, at the latest after 3 months.
Drainage	automatic drain as standard, optionally manual drain	manual drain as standard
Temperature range	1 °C to 65 °C / 34 °F to 149 °F	1 °C to 30 °C / 34 °F to 86°F
Operating pressure	max. 16 bar	
Material	Body/Bowl: chromated and powder-coated cast aluminium	



0.01 µm, up to G3
0.003 mg/m³ residual oil

Dimensions A mm	B mm	C mm	Bowl Design of / with	Capacity l	Flow rate m³/h*1	l/min*1	Filter element µm	Connection thread G	Order number
Super fine filter 0.01 mg/m³ residual oil				with automatic drain, max. 16 bar 99,99999%, at 0.01 µm					**FG. X**
69	194	173	aluminium /	0.2	30	500	0.01	G¼	**FG-02X**
89	293	269	manual drain	0.8	60	1 000		G⅜	**FG-03X**
89	293	269		0.8	108	1 800		G½	**FG-04X**
89	293	269		0.8	132	2 200		G¾	**FG-A6X**
109	393	359		1.8	180	3 000		G¾	**FG-06X**
109	393	359		1.8	270	4 500		G1	**FG-08X**
109	540	506		2.7	372	6 200		G1¼	**FG-10X**
109	540	506		2.7	432	7 200		G1½	**FG-1AX**
150	576	535		4.9	732	12 200		G1½	**FG-12X**
150	954	913		8.0	1 050	17 500		G2	**FG-16X**
188	759	703		10.3	1 800	30 000		G2½	**FG-20X**
188	939	903		12.7	2 220	37 000		G3	**FG-24X**
Activated carbon filter 0.003 mg/m³ residual oil				with manual drain, max. 16 bar					**FG. A**
69	185	164	aluminium /	0.2	30	500	activated carbon	G¼	**FG-02A**
89	284	260	manual drain	0.8	60	1 000		G⅜	**FG-03A**
89	284	260		0.8	108	1 800		G½	**FG-04A**
89	284	260		0.8	132	2 200		G¾	**FG-A6A**
109	384	350		1.8	180	3 000		G¾	**FG-06A**
109	384	350		1.8	270	4 500		G1	**FG-08A**
109	531	497		2.7	372	6 200		G1¼	**FG-10A**
109	531	497		2.7	432	7 200		G1½	**FG-1AA**
150	567	526		4.9	732	12 200		G1½	**FG-12A**
150	945	904		8.0	1 050	17 500		G2	**FG-16A**
188	748	694		10.3	1 800	30 000		G2½	**FG-20A**
188	930	894		12.7	2 220	37 000		G3	**FG-24A**

FG-04X

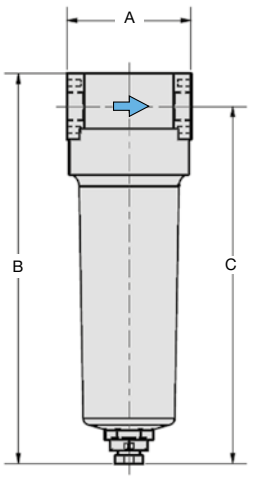
FG-04AD
with differential pressure gauge

Special options, add the appropriate letter

differential pressure gauge	FG-. . . **D**
replacement indicator	FG-. . . **E**
further sizes	

Accessories, enclosed

set of mounting brackets	made of steel	for G¼	**BW00-52**
		for G⅜ to G¾ (A6)	**BW00-53**
		for G¾ (06) to G1½	**BW00-54**
		for G1½ (12) and G2	**BW00-55**
		for G2½ and G3	**BW00-56**



FG

Flow rate conversion factor for other operating pressures																
operating pressure bar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
factor	0.25	0.38	0.5	0.65	0.75	0.88	1	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2	2.13

*1 at 7 bar operating pressure and open outlet. Pressure drop in new condition: **50 mbar** on fine filter and **90 mbar** on super fine filter. The maximum permissable flow rate is 10% higher than the indicated value.

PDF CAD
www.aircom.net

Order example:
FG-02X