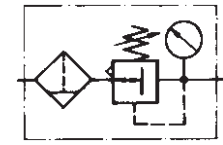


<b>Description</b>	Modular pressure filter/regulator which can be connected to all other instruments in the same series.	
<b>Supply pressure</b>	max. 13 bar	
<b>Outlet pressure</b>	0 - 8 bar	0 - 4 bar or 0 - 12 bar as option
<b>Gauge port</b>	G <sup>1</sup> / <sub>8</sub> on both sides	G <sup>1</sup> / <sub>4</sub> on FR 095
<b>Relieving</b>	Relieving as standard	non-relieving as option
<b>Filter element</b>	20 µm as standard	5 µm as option
<b>Drain</b>	Manual drain with semi-automatic drainage i.e. the system is drained automatically when de-pressurized.	Float-type autodrain as option
<b>Bowl design</b>	with bayonett catch	Screw-in thread only on series 042
<b>Setting knob</b>	with tamper-proof snap lock	
<b>Temperature</b>	0 °C to 50 °C / 32 °F to 120 °F	Storage temperature: -20 °C to 90 °C / -4 °F to 190 °F
<b>Materials</b>	Body: POM on series 035 + 042, all others of nylon Bowl: polyamide Internal parts: piston of brass, re-adjusting spring of stainless steel, setting spring of spring steel	Connection thread: brass



G<sup>1</sup>/<sub>4</sub> to G1

Plastic  
1

Dimensions			Bowl of / with	Bowl volume cl	Flow rate		Connection thread G	Order number
B mm	H mm	C mm			m <sup>3</sup> /h*	l/min*		

Filter pressure regulator	0 - 8 bar, manual + semi-automatic drain, relieving, P <sub>1</sub> max. 13 bar, filter 20 µm	FR0
42 198 126	plastic	22 51 850 G <sup>1</sup> / <sub>4</sub> <b>FR042 - 02HC</b>
63 239 148	protecting cage	42 90 1500 G <sup>3</sup> / <sub>8</sub> <b>FR050 - 03HC</b>
63 239 148	protecting cage	42 96 1600 G <sup>1</sup> / <sub>2</sub> <b>FR052 - 04HC</b>
75 276 173	protecting cage	100 132 2300 G <sup>1</sup> / <sub>2</sub> <b>FR075 - 04HC</b>
137 276 173	protecting cage	100 144 2400 G <sup>3</sup> / <sub>4</sub> <b>FR080 - 06HC</b>
115 411 237	protecting cage	200 840 14000 G1 <b>FR095 - 08HC</b>



FR042



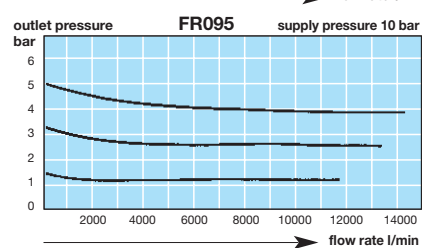
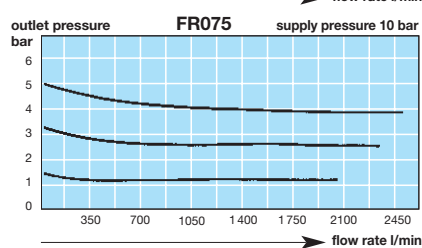
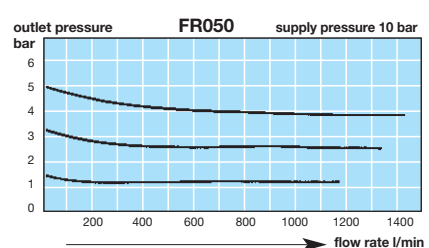
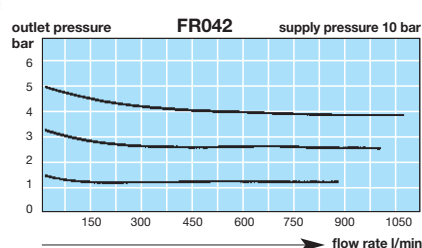
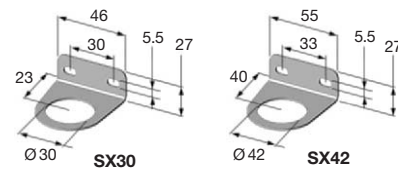
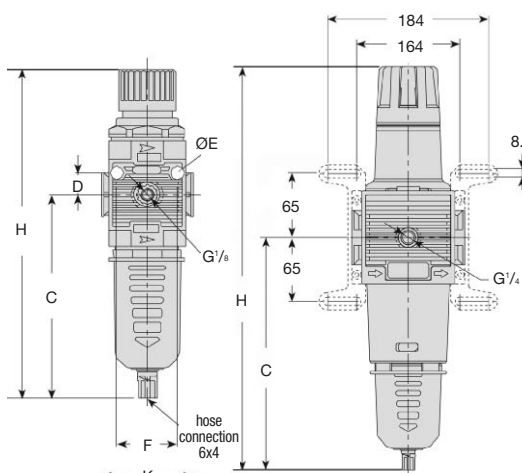
FR050



FR095

### Special options add the appropriate letter

filter 5 µm	for FR042/080	for FR095	<b>G</b>	FR0...-0.G
range 0 - 4 bar	for FR042/080	for FR095	<b>B</b>	FR0...-0...B
range 0 - 12 bar	for FR042/080	for FR095	<b>D</b>	FR0...-0...D
non-relieving	without relieving		<b>K</b>	FR0...-0...K
autodrain	C40.02.001.30,	float type	<b>R</b>	FR0...-0...R
protecting cage	as required	for FR042	<b>B</b>	FR042-0...B
pressure gauge	Ø40 für FR042,	Ø50 for FR050/080	<b>G</b>	FR0...-0...G
pressure gauge	Ø63	for FR095	<b>G</b>	FR0...-0...G
mounting bracket	SX30	for G <sup>1</sup> / <sub>4</sub>	<b>X</b>	FR042-02...X
mounting bracket	SX42	for G <sup>3</sup> / <sub>8</sub> - G <sup>3</sup> / <sub>4</sub>	<b>X</b>	FR0...-0...X
wall mounting	C42.05.000.01	for G <sup>1</sup> / <sub>4</sub>	<b>Y</b>	FR042-02...Y
wall mounting	C95.01.000.15/18	for G1	<b>Y</b>	FR095-08...Y



Series	D	E	F	K	L
FR042	10.5	4.5	31	-	42
FR050/52	16	5.5	41	63	52
FR075	17.5	5.5	45	75	63
FR080	17.5	5.5	45	-	63
FR095	65	8.5	174	115	95

\* at 10 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop

<b>For your information:</b>	1 bar: 14.5 psi 1 psi: 0.069 bar	1 l/min: 0.035 scfm 1 scfm: 28.3 l/min	1 mm: 0.039 inch 1 inch: 25.4 mm
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Order example: **FR042-02HC**