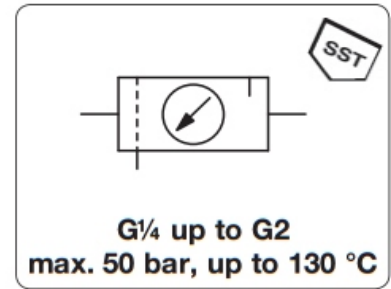


## C3003 - Ensemble FRL en acier inoxydable 316L - 50 bar - 130°C - G1/4" à G2"

### C3003 - FRL Service Unit, 3 parts, completely made of Stainless Steel, up to 50 bar

<b>Description</b>	FRL service unit completely made of stainless steel, very robust. Application examples are the chemistry, petroleum processing as well as food industry and medical technology.
<b>Media</b>	compressed air, gases or liquids
<b>Supply pressure</b>	max. 30 bar, optionally max. 50 bar (for pressure range up to 15 bar)
<b>Adjustment</b>	by hexagon socket screw <b>Relieving function</b> relieving, optionally non-relieving
<b>Gauge port</b>	G $\frac{1}{4}$ on both sides of the body, one screw plug supplied
<b>Filter element</b>	50 $\mu$ m, optionally 5 $\mu$ m, made of stainless steel <b>Bowl</b> stainless steel version without sight glass
<b>Drainage</b>	screw plug as standard, optionally manual drain (max. 30 bar) or automatic drain (max. 16 bar)
<b>Temperature range</b>	-20 °C to 80 °C / -4 °F to 176 °F for FKM or EPDM -20 °C to 130 °C / -4 °F to 266 °F for high temperature version, or low temperature version down to -40 °C / -40 °F
<b>Material</b>	Body / Bowl: stainless steel 316L, material no. 1.4404 Inner valve: stainless steel 316L / 1.4404 Diaphragm: NBR/Buna-N with PTFE coating, optionally EPDM or FKM O-rings: FKM, optionally EPDM



Dimensions			Combination existing of	Flow rate m <sup>3</sup> /h*1 l/min*1	Connection thread G	Order number
A mm	B mm	C mm				

FRL unit, 3-part			P <sub>1</sub> : max. 50 bar, screw plug, relieving, with gauge	P <sub>2</sub> : 0.5...8 bar, 50 $\mu$ m, with gauge	C3003		
212	168	130	F+R+L3000	42	700	G $\frac{1}{4}$	<b>C3003-02</b>
257	167	130		132	2200	G $\frac{1}{2}$	<b>C3003-04</b>
427	219	168		231	3850	G $\frac{3}{4}$	<b>C3003-06</b>
455	286	226		432	7200	G1	<b>C3003-08</b>
531	286	226		432	7200	G1 $\frac{1}{4}$	<b>C3003-10</b>
531	286	226		432	7200	G1 $\frac{1}{2}$	<b>C3003-1A</b>
553	390	262		720	12000	G1 $\frac{1}{2}$	<b>C3003-12</b>
553	390	262		780	13000	G2	<b>C3003-16</b>



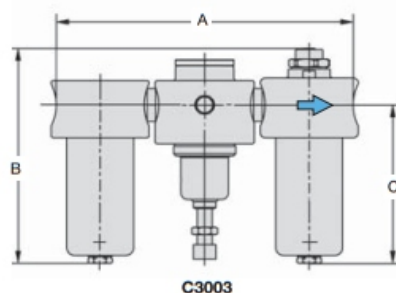
C3003-04

#### Special options, add the appropriate letter

<b>5 <math>\mu</math>m filter element</b>		for G $\frac{1}{4}$ and G $\frac{1}{2}$	C3003- .G
		for G $\frac{3}{4}$ to G1 $\frac{1}{2}$ (1A)	C3003- .G
		for G1 $\frac{1}{2}$ (12) and G2	C3003- .G
<b>NPT connection thread</b>		for G $\frac{1}{4}$ to G2	C3003- .N
<b>pressure range 0.2... 3 bar</b>			C3003- .B
<b>pressure range 1 ...15 bar</b>	P <sub>1</sub> max. 50 bar		C3003- .D
<b>manual drain</b>	max. 30 bar		C3003- .H
<b>automatic drain</b>	max. 16 bar	for G $\frac{1}{4}$ to G1	C3003- .R
<b>down to -40 °C / -40 °F</b>	low temperature version		C3003- .X51
<b>up to 130 °C / 266 °F</b>	high temperature version		C3003- .X54
<b>EPDM-elastomer</b>			C3003- .E
<b>flange connection</b>	see end of the chapter / flanges		C3003- .F.

#### Accessories

<b>mounting bracket</b>	for G $\frac{1}{4}$	<b>BW45-03S</b>
<b>mounting nut</b>		<b>M45x1,5S</b>
<b>mounting bracket</b>	for G $\frac{1}{2}$	<b>BW50-01S</b>
<b>mounting nut</b>		<b>M50x1,5S</b>
<b>mounting bracket</b>	for G $\frac{3}{4}$ to G1 $\frac{1}{2}$ (1A)	<b>BW00-59S</b>
<b>mounting bracket</b>	for G1 $\frac{1}{2}$ (12) and G2	<b>BW00-62S</b>



\*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop