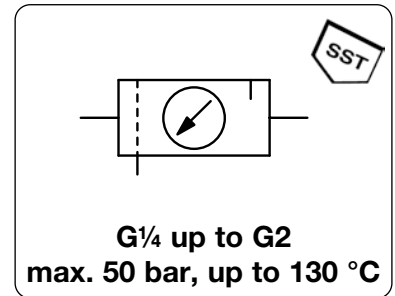


# FRL SERVICE UNITS, 3-PART, COMPLETELY MADE OF STAINLESS STEEL, UP TO 50 BAR C3003

<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>	see chart, max. 50 bar
<b>Adjustment</b>	by hexagon socket screw
<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	P1 max. bar	Connection thread G	Order number
A mm	B mm	C mm					

FRL unit, 3-part			P <sub>1</sub> : max. 30/50 bar, screw plug,	P <sub>2</sub> : 0.5...8 bar*2, relieving,	50 $\mu$ m, with gauge	C3003		
212	168	130	F+R+L3000	42	700	30	G $\frac{1}{4}$	C3003-02
257	167	130		132	2200	50	G $\frac{1}{2}$	C3003-04
427	219	168		231	3850	50	G $\frac{3}{4}$	C3003-06
455	286	226		432	7200	50	G1	C3003-08
531	286	226		432	7200	50	G1 $\frac{1}{4}$	C3003-10
531	286	226		432	7200	50	G1 $\frac{1}{2}$	C3003-1A
553	390	262		720	12000	50	G1 $\frac{1}{2}$	C3003-12
553	390	262		780	13000	50	G2	C3003-16



C3003-04

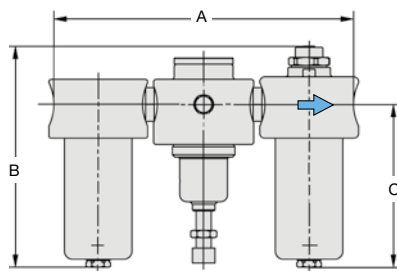


## Special options, add the appropriate letter

5 $\mu$ m filter element		C3003- . . G
NPT connection thread		C3003- . . N
pressure range 0.2... 3 bar <sup>2</sup> P <sub>1</sub> max. 50 bar, max. 30 bar by G $\frac{1}{4}$		C3003- . . B
pressure range 1 ...15 bar <sup>2</sup> P <sub>1</sub> max. 50 bar		C3003- . . D
manual drain max. 30 bar		C3003- . . H
automatic drain max. 16 bar	for G $\frac{1}{4}$ to G1	C3003- . . R
down to -40 °C / -40 °F low temperature version		C3003- . . X51
up to 130 °C / 266 °F high temperature version		C3003- . . X54
EPDM-elastomer		C3003- . . E
flange connection according to EN-1092-1 or ASME B16.5 on request		C3003- . . F.

## Accessories, enclosed

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



C3003

\*1 at 8 bar supply pressure, 6 bar outlet pressure and 1 bar pressure drop  
\*2 more pressure ranges possible (0,1...1,5 bar; 2...30 bar, 3...50 bar)

Further details: see chapter for single devices

PDF CAD  
www.aircom.net



Order example:  
C3003-02