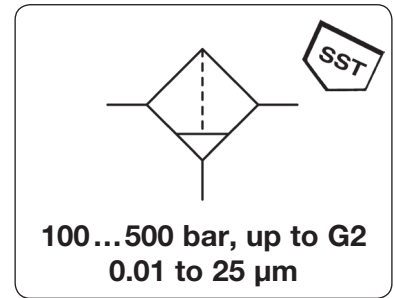


Stainless Steel High Pressure Regulator up to 500 bar

FB

Description	The filter separates oil, water and solid impurities from compressed air, gases and many media used in chemistry, petroleum processing, food industry and medical technology.		
Filter element	Fabric of borosilicate fibre A 901 with high-volume fiberglass bed. Coalescing effect based on Brownian motion. With stainless steel jacket and internal draining layer. An arrow indicates flow from inside to outside.		
Filtration efficiency	99.99% based on 25 µm particle size, residual oil content ≤ 10 mg/m ³ , Δp= 0.03		
Service life	Large filter volume through folding makes for exceptionally long service life and high capacity for collection of solid particles with low differential pressure.		
Filter change	The filter must be changed a differential pressure of 0.35 bar on, or after one year at the latest.		
Drainage	without drain as standard, optionally with manual drain		
Operating pressure	max. 500 bar		
Temperature range	1 °C to 60 °C / 34 °F to 140 °F at coalescing filter and filter element X1 1 °C to 40 °C / 34 °F to 104 °F at filter element XA 1 °C to 25 °C / 34 °F to 77 °F at filter element AC		
Material	Body: stainless steel 304, material no. 1.4301	Elastomer:	NBR/Buna-N



Dimensions			Bowl	Flow	Connection	Order
A	B	C	Design	rate ^{*2}	thread	number
mm	mm	mm	made of / with	m ³ /h	G	

High pressure filter up to 100 bar w/o manual drain, 99.99% at 25 µm residual oil content ≤ 10 mg/m³ **FB100**

60	117	17	stainless steel /	0.04	40	660	G ³ / ₈	FB100-03C
79	140	21	w/o manual drain	0.10	100	1 660	G ³ / ₈	FB100-A3C
78	214	23		0.40	270	4 500	G ¹ / ₂	FB100-04C
78	264	23		0.50	460	7 660	G ¹ / ₂	FB100-A4C
114	270	30		1.20	680	11 300	G ³ / ₄	FB100-06C
114	420	30		1.90	1 200	20 000	G1	FB100-08C
174	481	50		2.90	1 700	28 000	G1 ¹ / ₂	FB100-12C
174	784	50		5.40	3 400	55 000	G2	FB100-16C



High pressure filter up to 350 bar w/o manual drain, 99.99% at 25 µm residual oil content ≤ 10 mg/m³ **FB350**

60	117	17	stainless steel /	0.04	52	860	G ¹ / ₄	FB350-02C
79	140	21	w/o manual drain	0.10	130	2 160	G ³ / ₈	FB350-03C
78	214	23		0.40	351	5 850	G ³ / ₈	FB350-A3C
78	264	23		0.50	598	9 960	G ¹ / ₂	FB350-04C
114	270	30		1.20	884	14 730	G ³ / ₄	FB350-06C
114	420	30		1.90	1 560	26 000	G1	FB350-08C
174	481	50		2.90	2 210	36 830	G1	FB350-A8C
174	784	50		5.40	4 420	73 660	G1 ¹ / ₂	FB350-12C

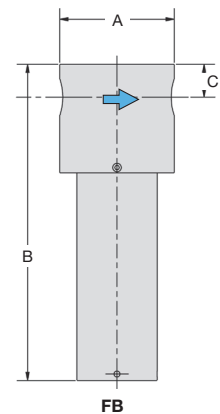


High pressure filter up to 500 bar **FB500**

60	117	17	stainless steel /	0,04	56	930	G ¹ / ₄	FB500-02C
79	140	21	w/o manual drain	0,10	140	2 330	G ³ / ₈	FB500-03C
113	221	25		0,40	378	6 300	G ³ / ₈	FB500-A3C
113	271	25		0,50	644	10 730	G ¹ / ₂	FB500-04C

Special options, add the appropriate letter

diff. pressure gauge	without contact, up to 250 bar	FB... . . . D		
diff. pressure gauge	without contact, up to 350 bar	FB... . . . D		
manual drain	needle valve	FB... . . . H		
	needle valve	FB... . . . H		
	Filtration efficiency	Residual oil content		
5 µm filter element	99.99 %,	< 5 mg/m ³ ,	0.04 bar	FB... . . . X5
1 µm filter element	99.9999 %,	< 0.1 mg/m ³ ,	0.04 bar	FB... . . . X1
0.01 µm filter element	99.99999%,	< 0.01 mg/m ³ ,	0.08 bar	FB... . . . XA
0.01 µm filter element	99.99999%,	< 0.003 mg/m ³ ,	0.04 bar	FB... . . . AC



*1 initial pressure drop

*2 at max. operating pressure

Spare parts: see separate spare parts list

PDF CAD
www.aircom.net



Order example:
FB100-03C