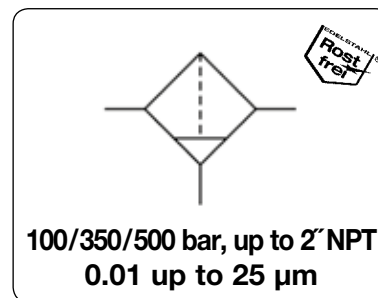


STAINLESS STEEL HIGH PRESSURE REGULATOR UP TO 500 BAR

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	Capacity	rate *2	number
mm	mm	mm	made of/with	l	m ³ /h	l/min

High pressure filter up to 100 bar				w/o manual drain, 99.99% at 25 µm residual oil content ≤ 10 mg/m ³		FB100		
60	117	17	stainless steel /	0.04	40	660	3/8" NPT	FB100-03C
79	140	21	w/o manual drain	0.10	100	1660	3/8" NPT	FB100-A3C
78	214	23		0.40	270	4500	1/2" NPT	FB100-04C
78	264	23		0.50	460	7660	1/2" NPT	FB100-A4C
114	270	30		1.20	680	11300	3/4" NPT	FB100-06C
114	420	30		1.90	1200	20000	1" NPT	FB100-08C
174	481	50		2.90	1700	28000	1 1/2" NPT	FB100-12C
174	784	50		5.40	3400	55000	2" NPT	FB100-16C



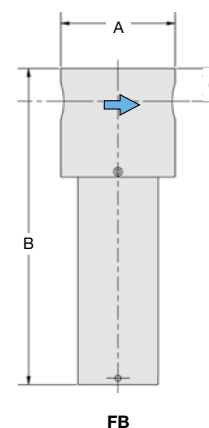
High pressure filter up to 350 bar				w/o manual drain, 99.99% at 25 µm residual oil content ≤ 10 mg/m ³		FB350		
60	117	17	stainless steel /	0.04	52	860	1/4" NPT	FB350-02C
79	140	21	w/o manual drain	0.10	130	2160	3/8" NPT	FB350-03C
78	214	23		0.40	351	5850	3/8" NPT	FB350-A3C
78	264	23		0.50	598	9960	1/2" NPT	FB350-04C
114	270	30		1.20	884	14730	3/4" NPT	FB350-06C
114	420	30		1.90	1560	26000	1" NPT	FB350-08C
174	481	50		2.90	2210	36830	1" NPT	FB350-A8C
174	784	50		5.40	4420	73660	1 1/2" NPT	FB350-12C



High pressure filter up to 500 bar				w/o manual drain, 99.99% at 25 µm residual oil content ≤ 10 mg/m ³		FB500		
60	117	17	stainless steel /	0.04	56	930	1/4" NPT	FB500-02C
79	140	21	w/o manual drain	0.10	140	2330	3/8" NPT	FB500-03C
113	221	25		0.40	378	6300	3/8" NPT	FB500-A3C
113	271	25		0.50	644	10730	1/2" NPT	FB500-04C

Special options, add the appropriate letter

diff. pressure gauge	without contact, up to 350 bar				FB...D
manual drain	needle valve		up to 350 bar		FB...H
	needle valve		up to 500 bar		FB...H
	Filtration efficiency	Residual oil content	Δp ¹		
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

SST
SST
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