RFB系列



惠隆液压

低压过滤器

流量	最大1300L/min
工作压力	最高1.6MPa

性能概述 DESCRIPTION

RFB系列直回自封式磁性回油过滤器用于液压系统回油精过滤，滤除液压系统中由于元件磨损产生的金属颗粒以及密封件的橡胶杂质等污染物，使流回油箱的油液保持清洁。

工作压力：最高压力1.6MPa　　工作温度：-25℃~120℃

发讯器发讯压力：0.15MPa　　旁通阀开启压差：0.175MPa

壳体材料：铸铝

工作介质：矿物油、乳化液、水-乙二醇、磷酸酯液压液

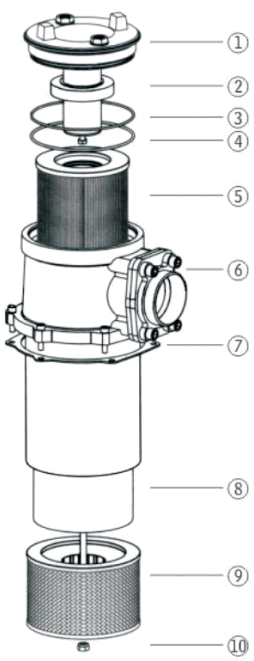
RAF Series return filter is designed for mounting on the top of the tank,It is used to separate solid particles from the hydraulic fluids returning to the tank and the element has excellent pressure drop through optimal flow design.

Operating pressure: Max1.6Mpa　　Operating temperature: -25℃~120℃

Setting pressure of clogging indicator:0.15bar　　Bypass valve cracking pressure: 0.175Mpa

Filter housing material: Cast aluminum

Working substance: mineral oil, emulsion, water-glycol, phosphate ester hydraulic oil (resin-impregnated paper only for mineral oil).





序号 Number	名称 Name	说明 Note
1	滤盖组件 Cap Components	
2	磁环 Mangnet ring	
3	O形密封圈 O-ring	易损件 Wearing parts
4	O形密封圈 O-ring	易损件 Wearing parts
5	滤芯 Element	易损件 Wearing parts
6	壳体 Housing	
7	密封垫 Seal	易损件 Wearing parts
8	接管 Connecting tube	
9	扩散器 Diffuser	
10	螺母 Nut	

▶系列型谱 ORDERING INFORMATION

过滤器型号Filter Assembly

RFB	160	FD	1	R1	1	B5

代号 Code	过滤器结构形式 Form of filter
RFB	单筒过滤器 Single cylinder filter
SRFB	双筒过滤器 Double cylinder filter

代号 Code	流量（L/min） Flow rate
060	60
110	110
160	160
240	240
330	330
420	420
500	500
660	660
950	950
1300	1300

代号Code	旁通阀Bypass valve
0	无旁通阀Without bypass valve
1	装旁通阀With bypass valve

代号Code	发讯器类型Indicator option
0	无压差发讯器 Without differential pressure indicator
E2	电式压力发讯器 Electrical pressure indicator
R3	压力表式发讯器 Electrical and visual pressure gauge

代号Code	工作介质 Working substance
1	矿物油、乳化液 Oil，emulsion
2	磷酸酯液压液 Phosphate ester
3	水-乙二醇 Water-glycol

代号Code	过滤材料及精度 Filtration material and filtration rating in μm
FT	无机纤维Inorganic fibers β3(c)≥200
FC	无机纤维Inorganic fibers β5(c)≥200
FD	无机纤维Inorganic fibers β10(c)≥200
FV	无机纤维Inorganic fibers β20(c)≥200
CD	滤纸 Paper 10μm
CV	滤纸 Paper 25μm
CP	滤纸 Paper 30μm
CE	滤纸 Paper 40μm
MD	不锈钢编织网 Stainless steel wire mesh 10μm
MV	不锈钢编织网 Stainless steel wire mesh 20μm
MP	不锈钢编织网 Stainless steel wire mesh 30μm
ME	不锈钢编织网 Stainless steel wire mesh 40μm

流量 Flow rate	代号 Code	接口尺寸 Port size
025 040 063 100 160	F5	2″SAE
250 400 500 630 800 1000 1300	F7	3″SAE

滤芯型号 Replacement Element

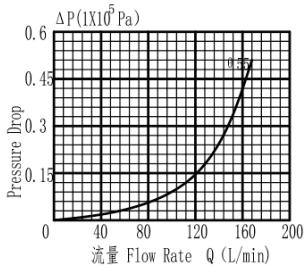
FBX	160	L	FD	1

▶ 压降流量曲线 PRESSURE DROP CURVES CHARACTERISTICS

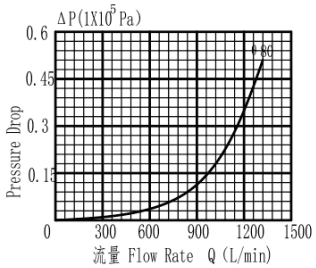
▶ （介质参数KINEMATIC VISCOSITY :30mm²/s DENDITY 0.86kg/dm³ ）

过滤器壳体压降 Filter Housing Pressure Drop

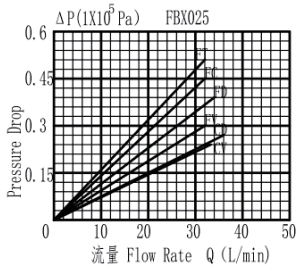
RFB025/040/063/100/160

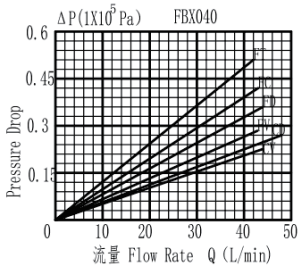


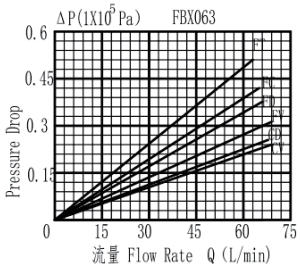
RFB250/400/630/800/1000

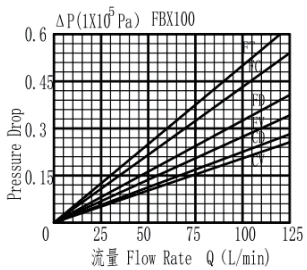


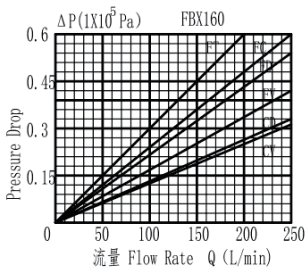
清洁滤芯压降Clean Pressure Drop

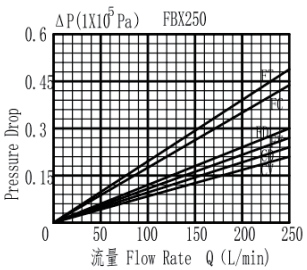


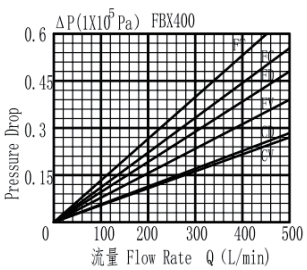


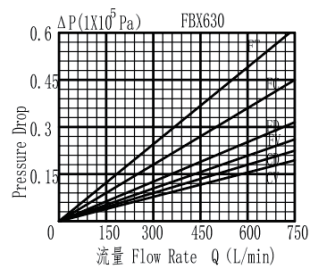


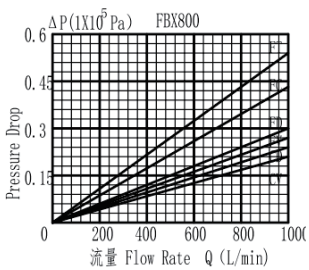


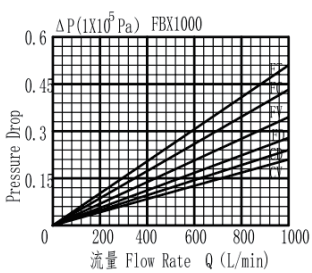


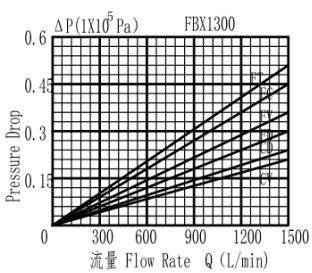




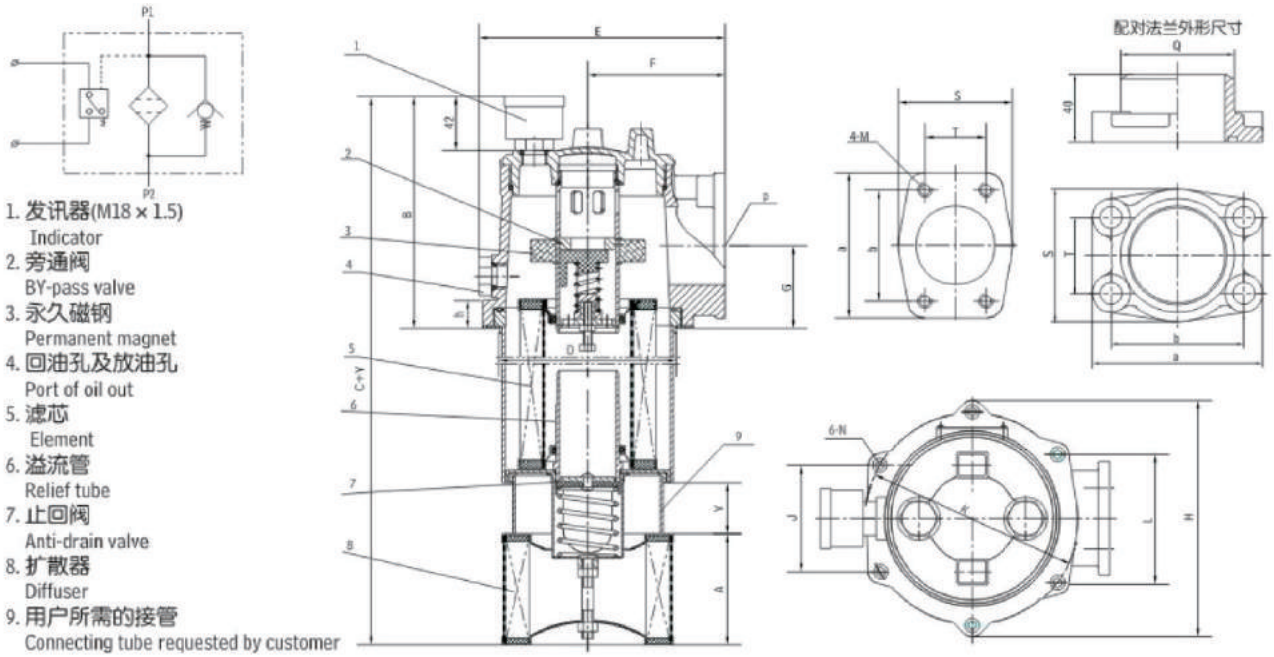








图示尺寸 DIMENSIONS

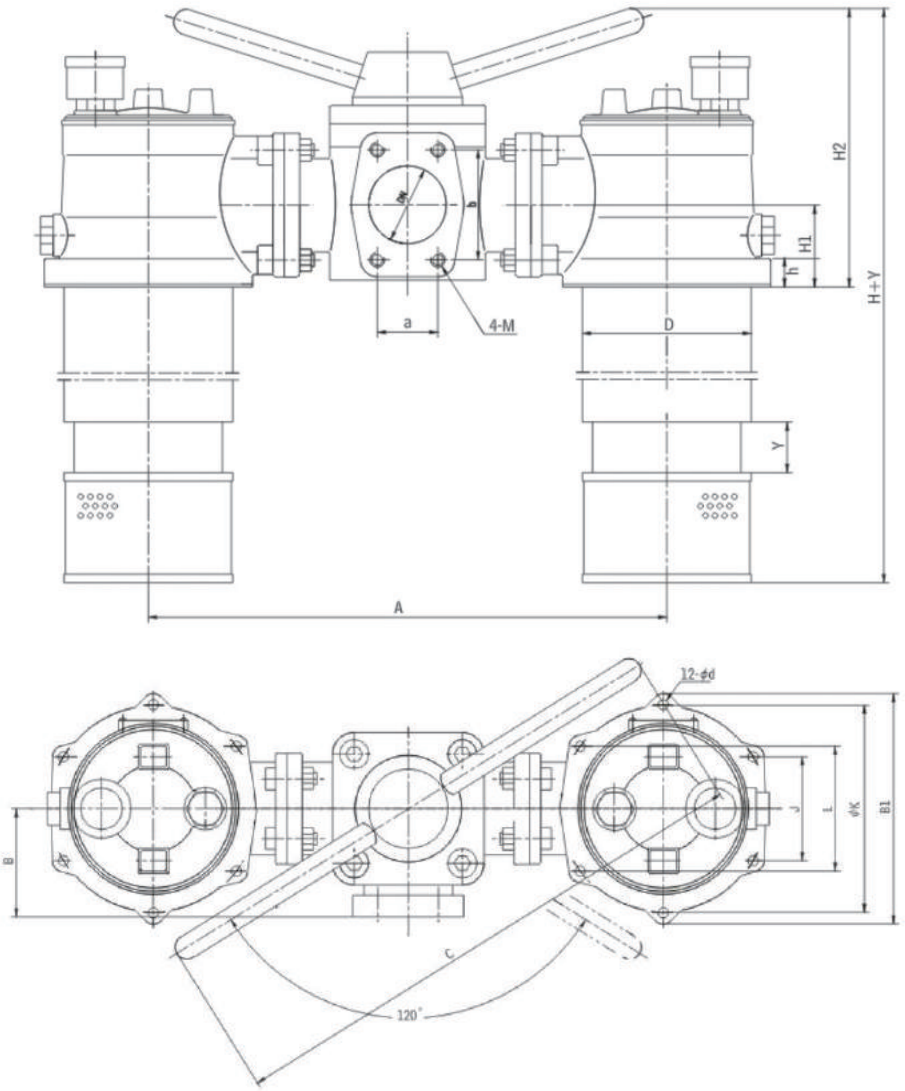


1. 发讯器(M18 × 1.5)
   Indicator
2. 旁通阀
   BY-pass valve
3. 永久磁钢
   Permanent magnet
4. 回油孔及放油孔
   Port of oil out
5. 滤芯
   Element
6. 溢流管
   Relief tube
7. 止回阀
   Anti-drain valve
8. 扩散器
   Diffuser
9. 用户所需的接管
   Connecting tube requested by customer

型号 Modle	公称流量 Flow rate (L/min)	过滤精度 Filter (μm)	公称压力 Press (Mpa)	压力损失 pressure loss (Mpa)		发讯装置 Indicator		重量 Weight (Kg)	滤芯型号 Mode of element
				Initial	Max	(v)	(A)		
RFB-25×*C/Y	25	1	1.6	≤0.075	0.35	12	2.5	4.6	RFB-25×*
RFB-40×*C/Y	40	3						4.8	RFB-40×*
RFB-63×*C/Y	62							5.3	RFB-63×*
RFB-100×*C/Y	100	5				24	2	6	RFB-100×*
RFB-160×*C/Y	160							6.7	RFB-160×*
RFB-250×*C/Y	250	10				63	1.5	12.3	RFB-250×*
RFB-400×*C/Y	400							14.7	RFB-400×*
RFB-630×*C/Y	630	20				220	0.25	17.3	RFB-630×*
RFB-800×*C/Y	800							18.6	RFB-800×*
RFB-1000×*C/Y	1000	30						21.3	RFB-1000×*
RFB-1300×*C/Y	1300							27.8	RFB-1300×*

型号Model	A	B	C	D	E	F	G	H	J	K	L	N	P	M	a	b	S	T	Q	h
RFB-25×*	78	167	348	φ124	175	96.5	58	168	75	φ150	90	φ7	φ55	M10	102	78	80	43	60	20
RFB-40×*			374																	
RFB-63×*			411																	
RFB-100×*			473																	
RFB-160×*			548																	
RFB-250×*	120	210	558	φ186	250	132	74	245	112	φ225	132	φ9	φ80	M12	140	106	110	62	90	22
RFB-400×*			708																	
RFB-630×*			877																	
RFB-800×*			948																	
RFB-1000×*			1114																	
RFB-1300×*			1454																	

▶ 图示尺寸 DIMENSIONS



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RFB-25×*	78	167	348	φ124	175	96.5	58	168	75	φ150	90	φ7	φ55	M10	102	78	80	43	60	20
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RFB-1300×*			1454																	