RFA/SRFA系列

惠隆液压



回油过滤器

流量	最大1000L/min
工作压力	最高1.6MPa

性能概述 DESCRIPTION

RFA系列回油过滤器安装在油箱顶部，用于液压系统回油精过滤，滤除液压系统中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。

工作温度：-25℃~120℃　　发讯器发讯压力：0.35MPa

旁通阀开启压差：0.4MPa　　壳体材料：铸铝

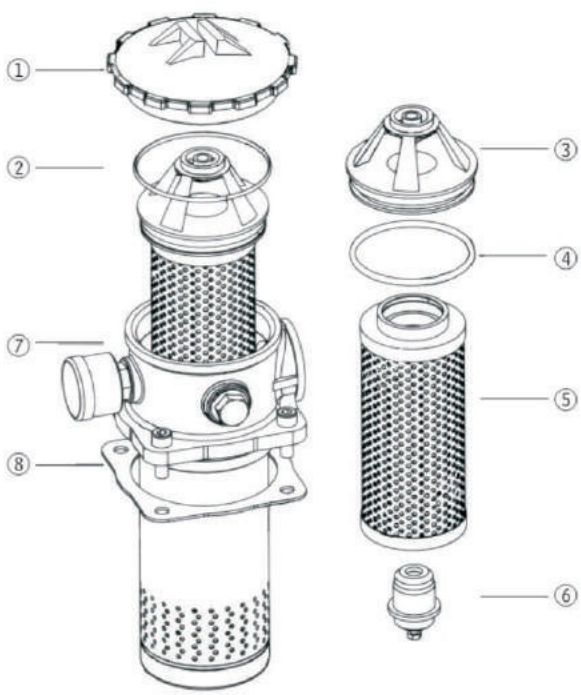
工作介质：矿物油、乳化液、水-乙二醇、磷酸酯液压液

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 temperature: -25℃~120℃　　etting pressure of clogging indicator: 3.5bar

Bypass valve cracking pressure:4bar　　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 Cap	
2	O形密封圈 O-ring	易损件 Wearing parts
3	滤芯定位座 Element locating seat	
4	O形密封圈 O-ring	易损件 Wearing parts
5	滤芯 Element	易损件 Wearing parts
6	旁通阀 By-pass valve	
7	壳体 Housing	
8	密封垫 Seal	易损件 Wearing parts

▶系列型谱 ORDERING INFORMATION

过滤器型号Filter Assembly

RFA	160	FD	R1	1	B5

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

代号Code	发讯器类型Indicator option
0	无发讯器 Without indicator
R1	压力表 Pressure gauge
R4	压力开关 Pressure switch

代号 Code	流量（L/min) Flow rate
025	25
040	40
063	63
100	100
160	160
250	250
400	400
500	500
630	630
800	800
1000	1000

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
MD	不锈钢编织网 Stainless steel wire mesh 10μm
MV	不锈钢编织网 Stainless steel wire mesh 20μm
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	M3	M22×1.5
040	M4	M27×2
063	M5	M33×2
100	M6	M42×2
160	M7	M48×2
250	M8	M18×1.5
400	F4	1 1/2″ SAE
500	F5	2″ SAE
630 800 1000	F7	3″ SAE

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

滤芯型号 Replacement Element

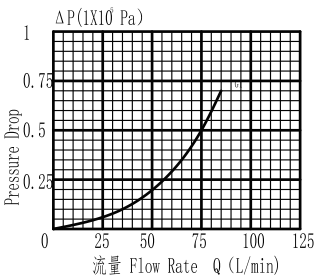
FAX	160	FD	1

▶ 压降流量曲线 PRESSURE DROP CURVES CHARACTERISTICS

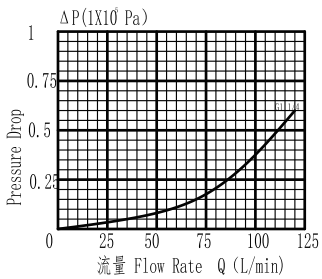
▶ （介质参数KINEMATIC VISCOSITY :30mm²/s DENDITY 0.86kg/dm³ ）

过滤器壳体压降 Filter Housing Pressure Drop

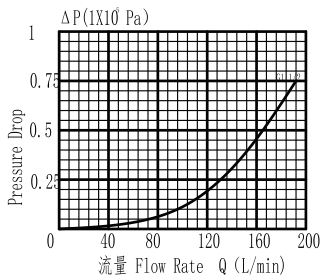
RFA(SRFA)063



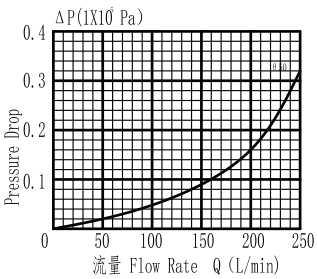
RFA(SRFA)100



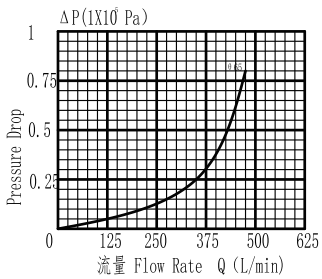
RFA(SRFA)160



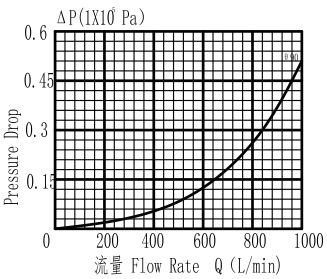
RFA(SRFA)250



RFA(SRFA)400

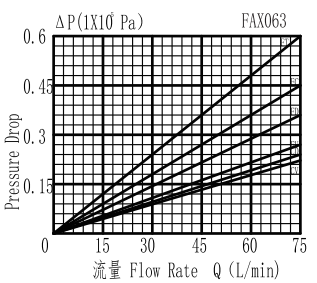


RFA(SRFA)500/630/800/1000

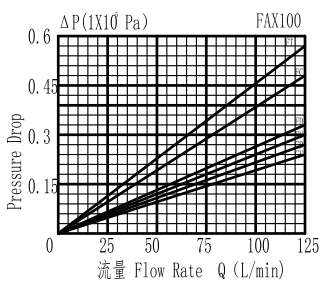


清洁滤芯压降Clean Pressure Drop

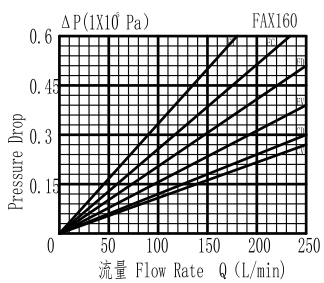
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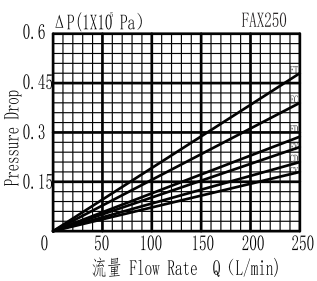
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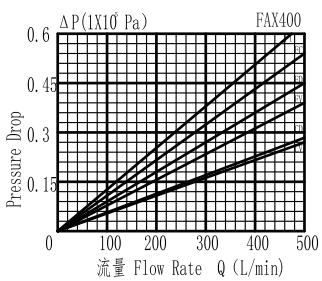
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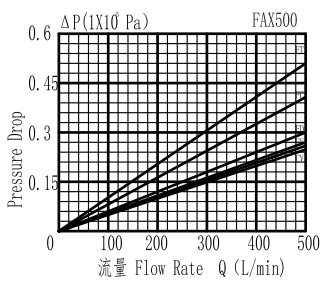
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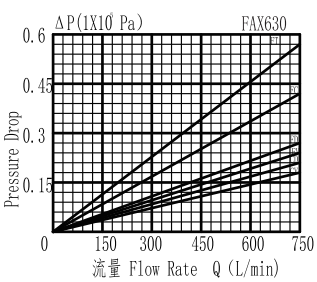
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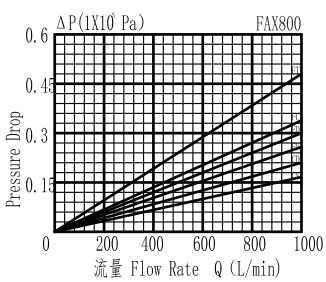
FAX500



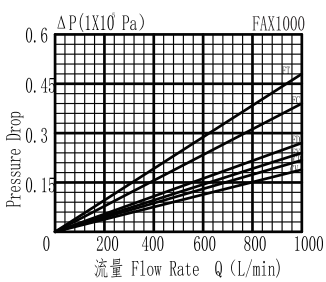
FAX630



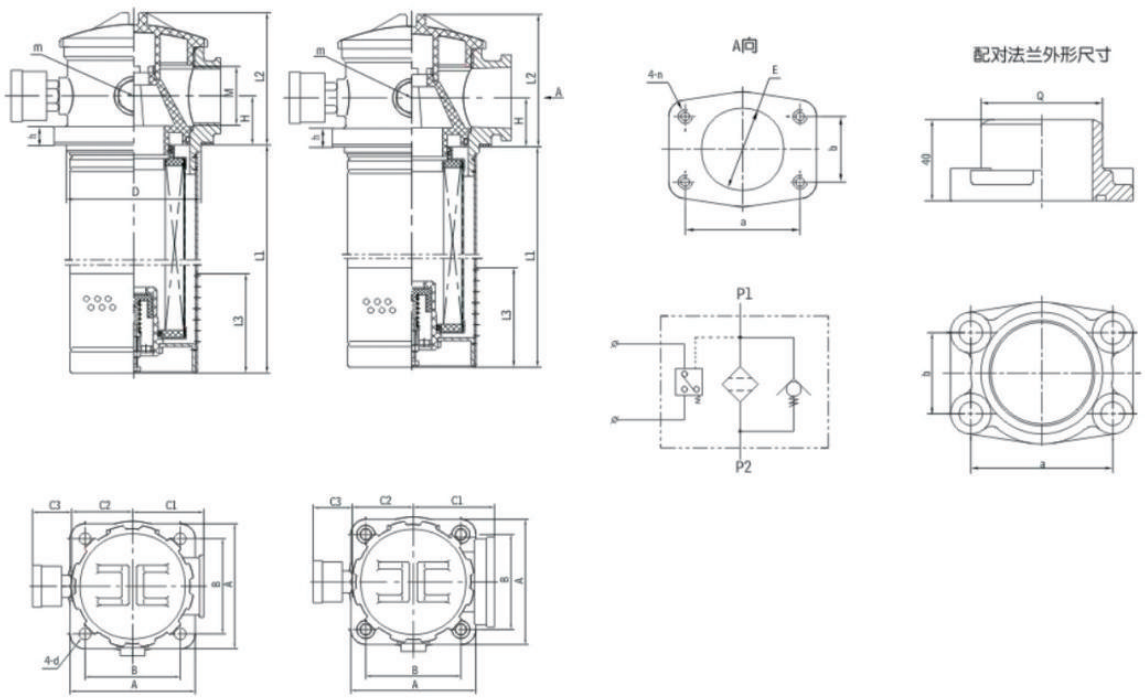
FAX800



FAX1000



▶ 图示尺寸 DIMENSIONS



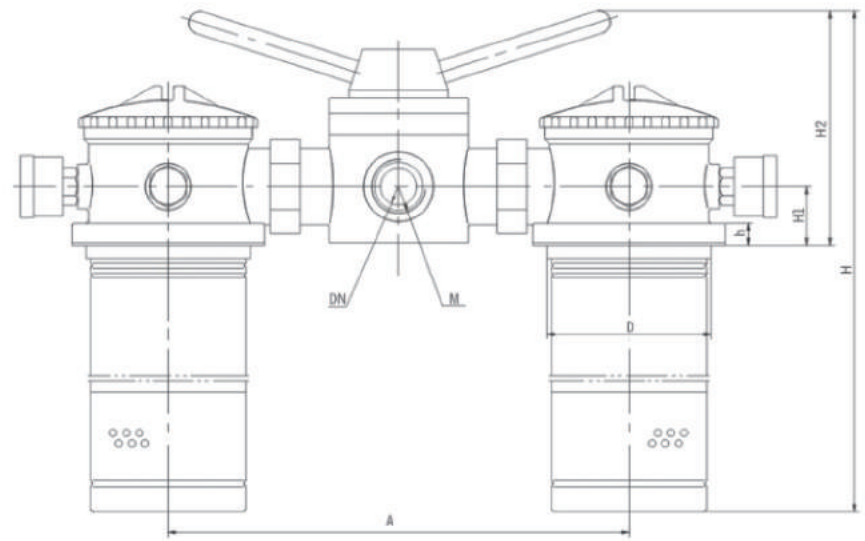
表一：RFA-25~160管式连接尺寸Table 1:RFA-25~160 threaded connection

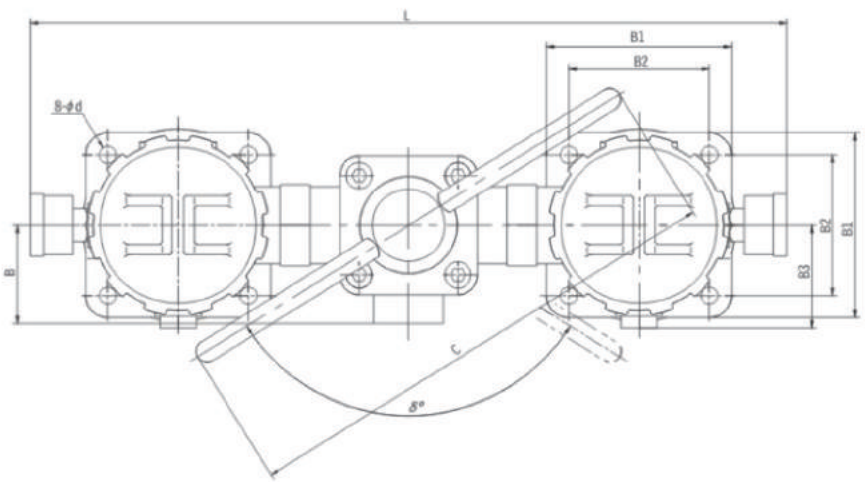
型号 Modle	尺寸 Size（mm）													
	L1	L2	L3	H	D	M	m	A	B	C1	C2	C3	d	h
RFA-25×L*$^{C}_{Y}$	127	74	45	25	Φ75	M22×1.5	M18×1.5	90	70	53	45	39	Φ9	10
RFA-40×L*$^{C}_{Y}$	158					M27×2								
RFA-63×L*$^{C}_{Y}$	185	93	60	33	Φ95	M33×2		110	85	60	53			12
RFA-100×L*$^{C}_{Y}$	245					M42×2								
RFA-160×L*$^{C}_{Y}$	322	108	80	40	Φ115	M48×2		125	95	71	61		Φ13	15

表二：RFA-250~1000法兰式连接尺寸Table 2:RFA-250~1000 flanged connection

型号 Modle	尺寸 Size（mm）																	
	L1	L2	L3	H	D	E	m	a	b	n	A	B	C1	C2	C3	d	Q	h
RFA-250×L*$^{C}_{Y}$	422	108	80	40	Φ110	Φ50	M18×1.5	70	40	M10	125	95	81	61	39	Φ13	60	15
RFA-400×L*$^{C}_{Y}$	467	135	100	55	Φ130	Φ65		90	50		140	110	90	68			73	15
RFA-630×L*$^{C}_{Y}$	494	175	118	70	Φ160	Φ90		120	70		170	140	110	85			102	18
RFA-800×L*$^{C}_{Y}$	606																	
RFA-1000×L*$^{C}_{Y}$	786																	

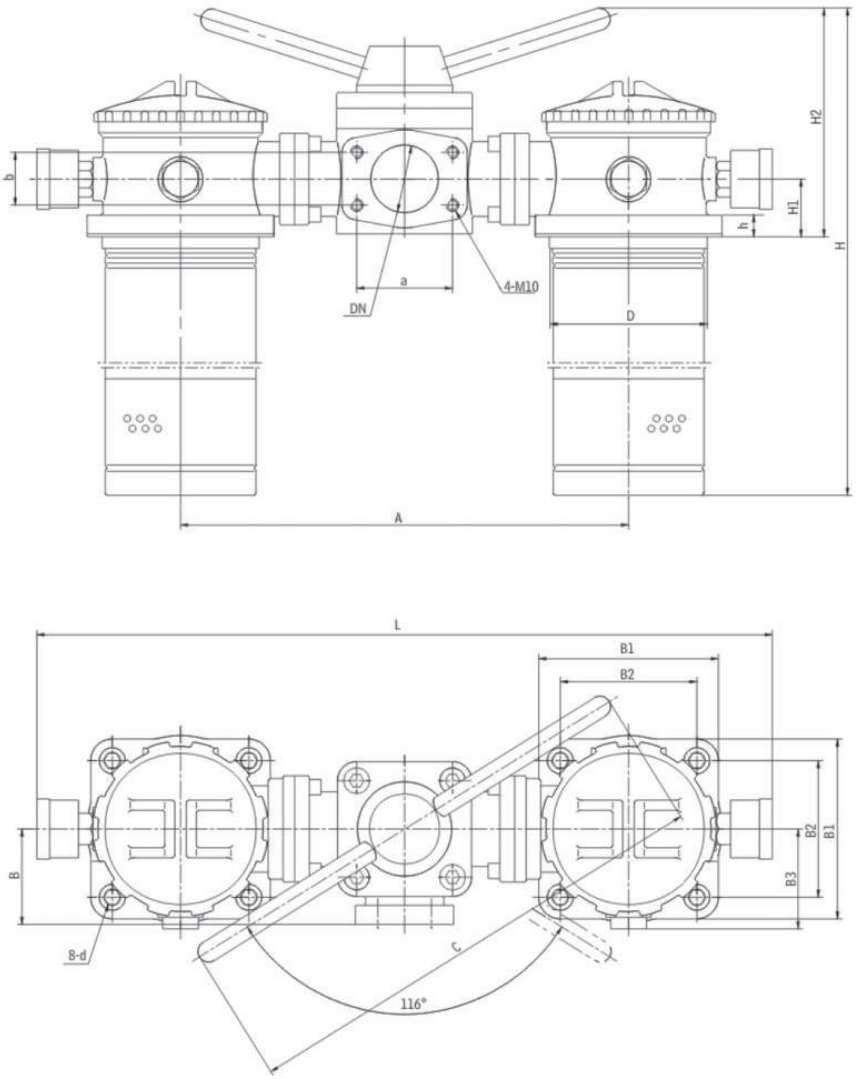
▶ 图示尺寸 DIMENSIONS





型号 Modle	尺寸 Size（mm）															
	DN	M	H1	B	B1	B2	B3	d	A	D	L	H	H2	C	h	δ
SRFA-25×L*$^{C}_{Y}$	20	M27×2	25	53	90	70	53	9	224	75	388	249	122	265	10	135
SRFA-40×L*$^{C}_{Y}$												280				
SRFA-63×L*$^{C}_{Y}$	32	M42×2	33	60	110	85	61	9	250	95	430	288	138	275	12	124
SRFA-100×L*$^{C}_{Y}$												348				

▶ 图示尺寸 DIMENSIONS



型号 Modle	尺寸 Size（mm）																
	DN	a	b	H1	B	B1	B2	B3	d	A	D	L	H	H2	C	h	Q
SRFA-160×L*$^{C}_{Y}$	50	70	40	40	81	125	95	67	Φ13	320	110	566	482	160	350	15	60
SRFA-250×L*$^{C}_{Y}$													582				
SRFA-400×L*$^{C}_{Y}$	65	90	50	55	90	140	110	76	Φ13	370	130	580	664	197	400	15	73
SRFA-630×L*$^{C}_{Y}$	90	120	70	70	115	170	140	93	Φ13	450	160	694	743	248	545	18	102
SRFA-800×L*$^{C}_{Y}$													853				
SRFA-1000×L*$^{C}_{Y}$													1033				