PHA系列



惠隆液压

高压过滤器

流量	最大660L/min
工作压力	最高42MPa

性能概述 DESCRIPTION

适用于高压管路系统液压油和润滑油的净化

工作压力：最高压力42MPa　　工作温度：-25℃~120℃

发讯器发讯压差：0.5MPa　　旁通阀开启压差：0.6MPa

壳体材料：球墨铸铁

工作介质：矿物油、乳化液、水-乙二醇、磷酸酯液压液

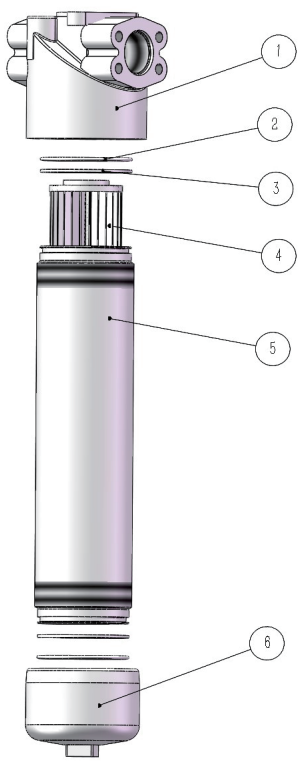
Being used in filtration of hydraulic oil and lubricants at high pressure.

Operating pressure: Max.420 bar　　Operating temperature :-25℃~120℃

Setting pressure of clogging indicator :5 bar　　Bypass valve cracking pressure :6 bar

Filter housing material :ductile iron

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	O型密封圈 O-ring	易损件 Wearing Parts
3	密封垫 Sesl	易损件 Wearing Parts
4	滤芯 Element	易损件 Wearing Parts
5	壳体 Housing	
6	封头 Seal head	

▶ 系列型谱 ORDERING INFORMATION

过滤器型号Filter Assembly

PHA	240	FD	1	H1	1	1	B5

代号 Code	流量（L/min) Flow rate
020	20
030	30
060	060
110	110
160	160
240	240
330	330
420	420
660	660

代号Code	发讯器类型Indicator option
0	无压差发讯器 Without differential pressure dicator
S1	目视式压差发讯器 Visual differential pressure indicator
H1	目/电式压差发讯器Visual-electrical differential pressure indicator

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	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	滤芯压差 Element pressure drop (MPa)
无标记 No sign	2.1
1	21

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
020	M3	M22×1.5
	M4	M27×2
030	B3	G1/2
060	B4	G3/4
	N3	NPT1/2
	N4	NPT3/4
110	M4	M27×2
	M5	M33×2
	B4	G3/4
	B5	G1
160	N4	NPT3/4
	N5	NPT1
	F1	3/4SAE
	F2	1SAE
240	M5	M33×2
	M6	M42×2
	M7	M48×2
	B5	G1
330	B6	G1 1/4
420	B7	G1 1/2
660	N5	NPT1
	N6	NPT1 1/4
	N7	NPT1 1/2
	F3	1 1/4SAE
	F4	1 1/2SAE

滤芯型号 Replacement Element

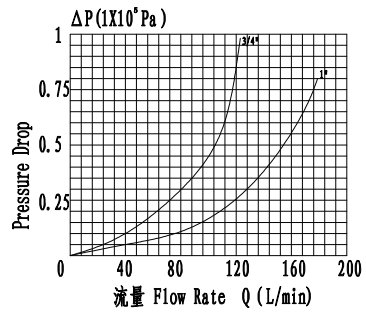
HAX	240	FD	1	1

▶ 压降流量曲线 PRESSURE DROP CURVES CHARACTERISTICS

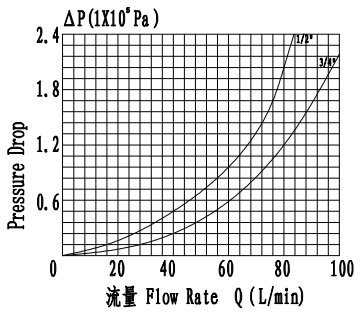
▶ (介质参数KINEMATIC VISCOSITY :30mm²/s DENDITY 0.86kg/dm³)

过滤器壳体压降 Filter Housing Pressure Drop

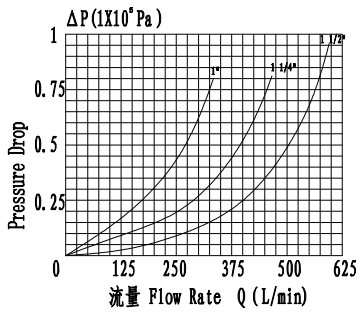
PHA110/160



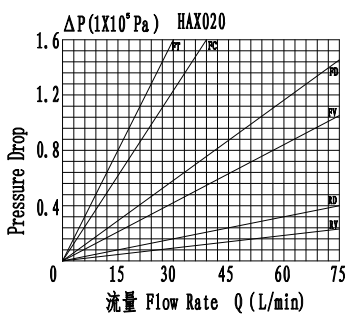
PHA020/030/060

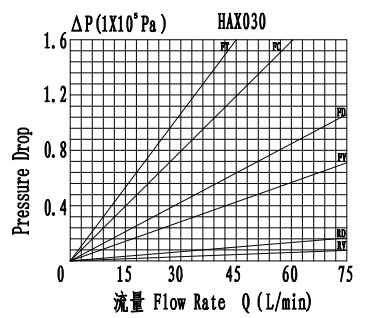


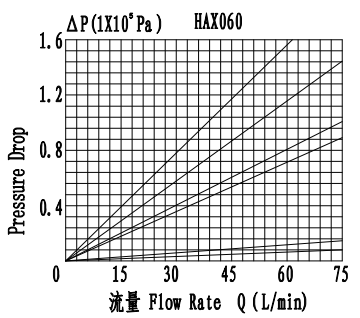
PHA240/330/420/660

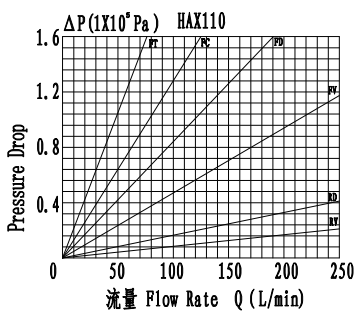


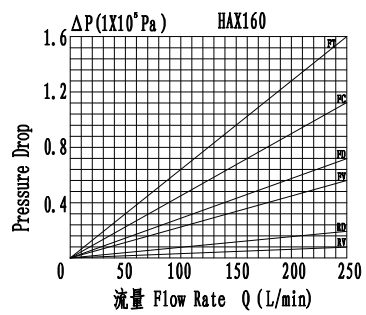
清洁滤芯压降Clean Pressure Drop

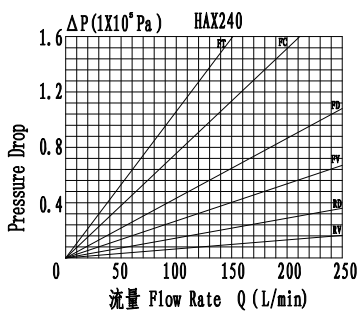


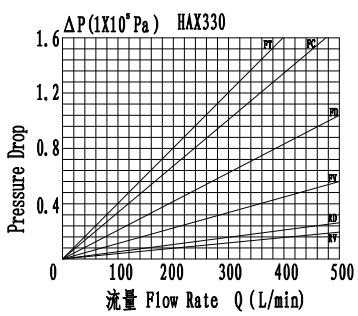


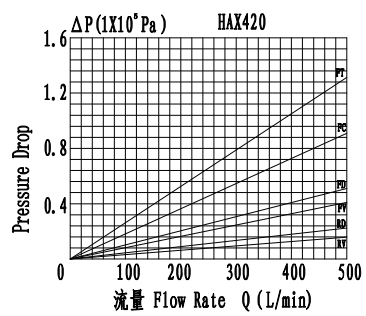


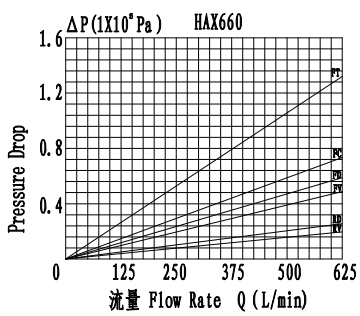




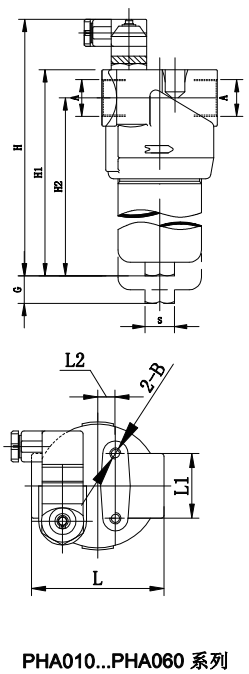




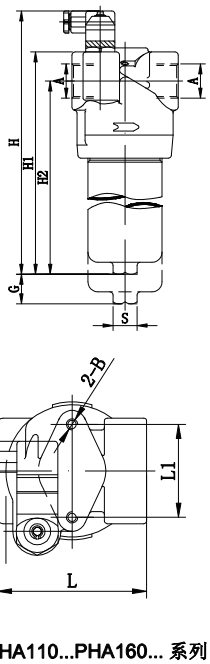




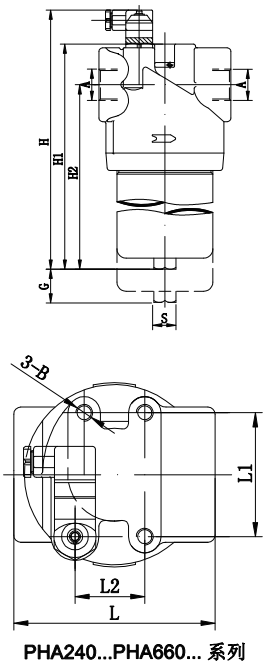
图示尺寸 DIMENSIONS



PHA010...PHA060 系列



PHA110...PHA160... 系列



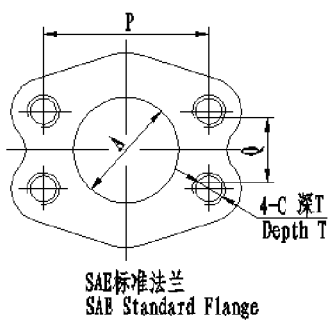
PHA240...PHA660... 系列

过滤器型号 Filter Type	A	H	H1	H2	L	L1	L2	B	G	重量 Weight(kg)
PHA020...	G1/2 NPT1/2 M22×1.5	208	165	142	85	46	12.5	M8		4.4
PHA030...		238	195	172						4.6
PHA060...	G3/4 NPT3/4 M27×2	338	295	272						5.2
PHA110...	G3/4 NPT3/4 M27×2	269	226	193	107	65	—	M8		6.6
PHA160...	G1 NPT1 M33×2	360	317	284						8.2
PHA240...	G1 NPT1 M33×2	287	244	200	143	77	43	M10		11
PHA330...	G1 1/4 NPT1/4 M33×2	379	336	292						13.9
PHA420...		499	456	412						18.4
PHA660...	G1 1/2 NPT1 1/2 M33×2	600	557	513						22.1

进出口法兰连接尺寸（对于PHA110...~PHA660...）

Dimensions of inlet /outlet connection flange (For PHA110...~PHA660...)

过滤器型号 Filter Type		A	P	Q	C	T	最大压力 Max pressure
PHA110...	F1	3/4”	50.8	23.8	M10	15	42MPa
PHA160...	F2	1”	52.4	26.2	M10	15	42MPa
PHA240...	F3	1 1/4”	66.7	31.8	M14	20	42MPa
PHA330...							
PHA420...	F4	1 1/2”	70	35.7	M12	20	42MPa
PHA660...							



SAE标准法兰
SAE Standard Flange