YPL(RF)/YPD系列

惠隆液压



低压回油过滤器

流量	最大1300L/min
工作压力	最高1.6MPa

性能概述 DESCRIPTION

YPL/YPD系列回油过滤器安装在油箱顶部，在油液返回油箱之前滤除油液中的固体颗粒杂质。滤芯通过最佳的流量设计可以使阻力达到最小的效果。

工作压力：最高压力1.6MPa　　工作温度：-25℃~120℃

发讯器发讯压力：0.2MPa　　旁通阀开启压差：0.3MPa

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

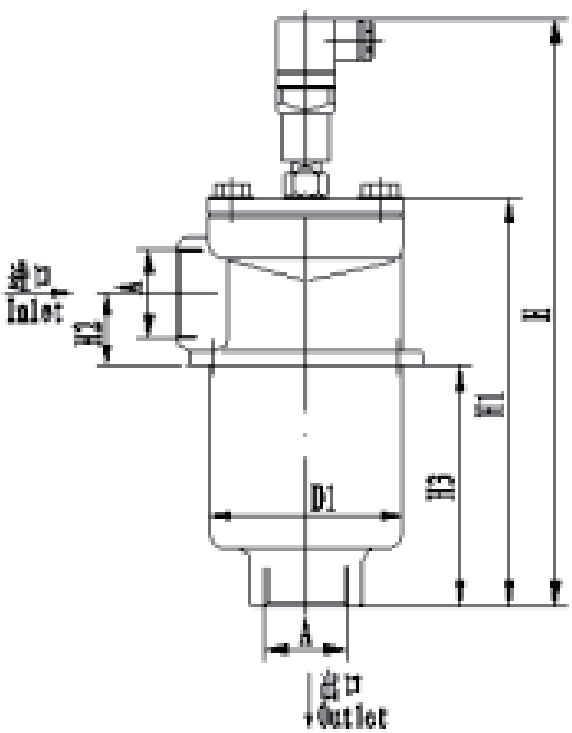
YPL(RF)/YPD Series are designed for mounting on the top of the tank,They are used to separate solid particles from the hydraulic fluids returning to the tanks and the elements have excellent pressure drop through optimal flow design.

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

Setting pressure of clogging indicator: 0.2MPa　　Bypass valve cracking pressure:0.3MPa

Filter housing material: Cast aluminum

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



▶系列型谱 ORDERING INFORMATION

过滤器型号Filter Assembly

YPL	160	FD	1	R3	1	B5

代号 Code	过滤器结构形式 Form of filter
YPL	单筒过滤器 Single cylinder filter
YPD	双筒切换过滤器 Double cylinder switch 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
060	B5	G1
110	M4	M27×2
	M5	M33×2
160	B7	G1 1/2
240	M7	M48×2
330	B8	G2
420	M8	M60×2
660	B10	G3
950	F	DN90
1300	F	DN100

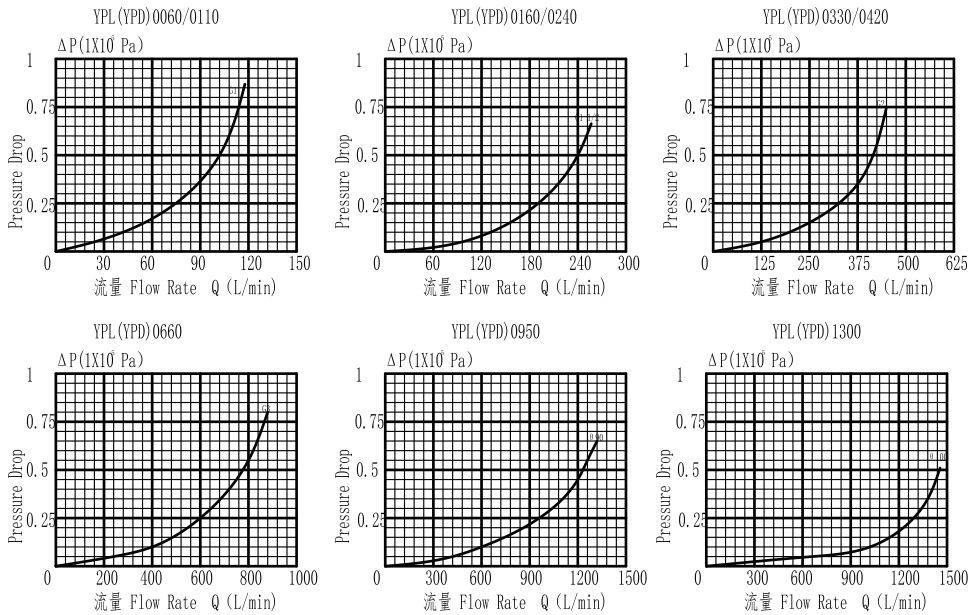
滤芯型号 Replacement Element

160	L	FD	1

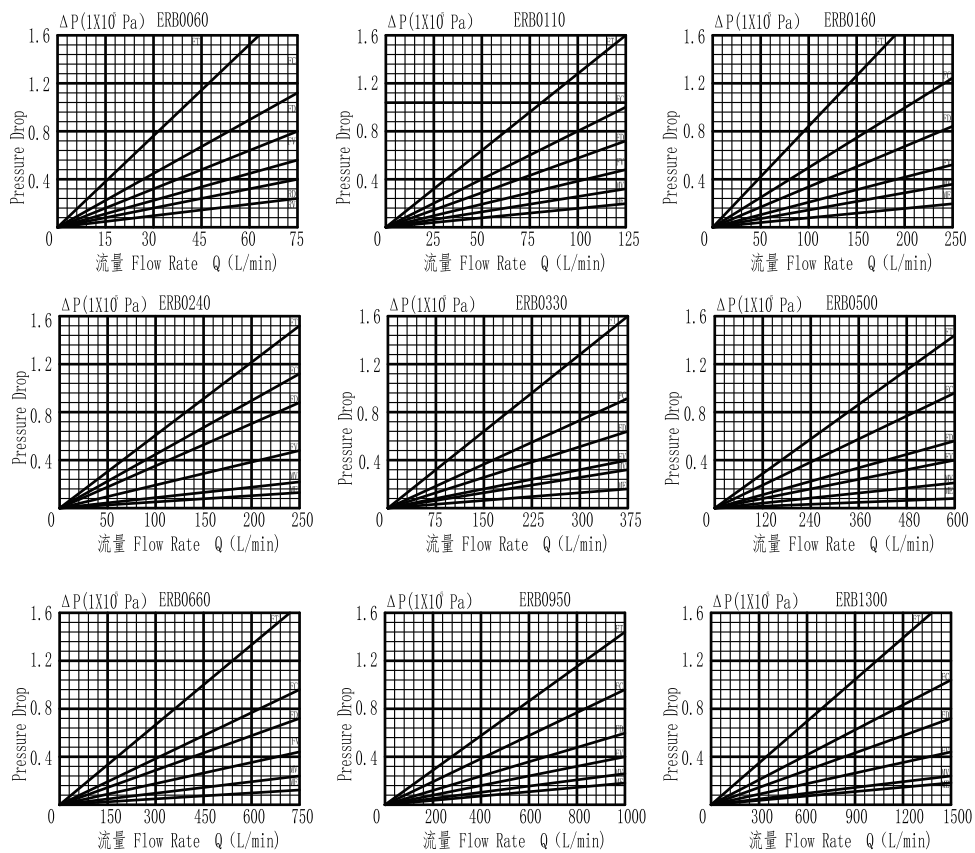
▶ 压降流量曲线 PRESSURE DROP CURVES CHARACTERISTICS

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

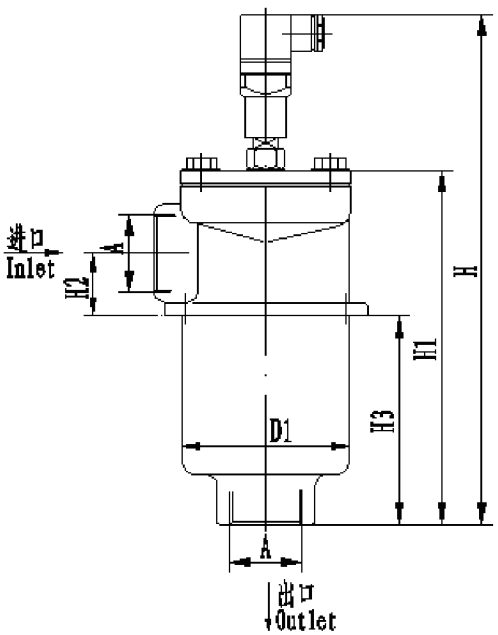
过滤器壳体压降 Filter Housing Pressure Drop

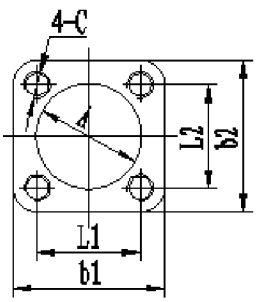


清洁滤芯压降Clean Pressure Drop

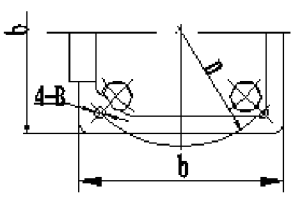


▶ 图示尺寸 DIMENSIONS



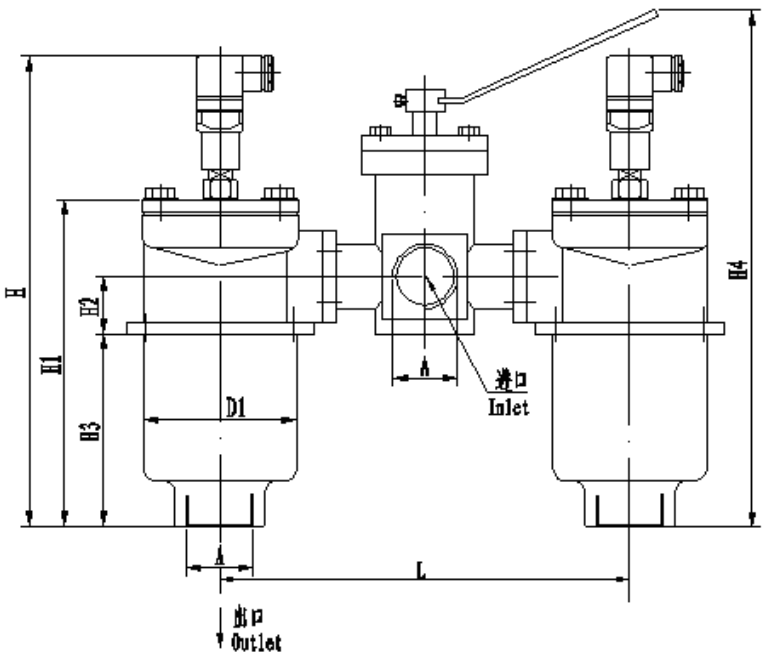


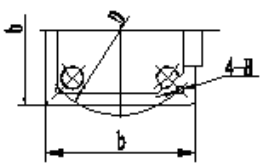
YPL950、1300...进出口法兰尺寸图
Inlet/Outlet flange dimension

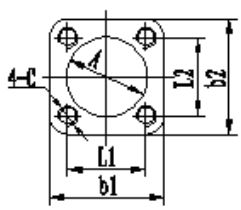


过滤器型号 Filter Type	A	H	H1	H2	H3	D	D1	b	B	b1	b2	L1	L2	C	重量 Weight (kg)
YPL060...	G1	260	165.5	30.5	94.5	Φ100	Φ72	90	Φ5.5						1.1
YPL110...		328	233	30.5	163										1.3
YPL160...	G1 1/2	304	209	37	123	Φ135	Φ98	120	Φ6.5						2.0
YPL240...		364	268	37	182										2.5
YPL330...	G2	366	271	60	141	Φ170	Φ128	152	Φ9						6.6
YPL420...		450	355	60	225										8.8
YPL660...	G3	506	411	80	246	Φ220	Φ167	196	Φ14						15.3
YPL950...	Φ90	544	449	92	254	Φ290	Φ200	255	Φ18	164	168	70	120	M16	28.3
YPL1300...	Φ100	668	573	118	335					164	168	78	130	M16	32.6

▶ 图示尺寸 DIMENSIONS







YPL950、1300...进出口法兰尺寸图
Inlet/Outlet flange dimension

过滤器型号 Filter Type	A	H	H1	H2	H3	D	D1	b	B	L	b1	b2	L1	L2	C	重量 Weight (kg)
YPD060...	G1	260	165.5	30.5	94.5	Φ100	Φ72	90	Φ5.5	196						3.5
YPD110...	NPT1	328	233	30.5	163											3.9
YPD160...	G1 1/2	304	209	37	123	Φ135	Φ98	120	Φ6.5	262						5.8
YPD240...	NPT1 1/2	364	268	37	182											7.7
YPD330...	G2	366	271	60	141	Φ170	Φ128	152	Φ9	330						17.6
YPD420...	NPT2	450	355	60	225											22.1
YPD660...	G3 NPT3	506	411	80	246	Φ220	Φ167	196	Φ14	419						38.2
YPD950...	Φ90	544	449	92	254	Φ290	Φ200	255	Φ18	586	164	168	70	120	M16	76.4
YPD1300...	Φ100	668	573	118	335					646	164	168	78	130	M16	83.2