PLF/PLFD系列



惠隆液压

低压过滤器

流量	最大2000L/min
工作压力	最高4MPa

性能概述 DESCRIPTION

适用于中压管路系统液压油和润滑油的净化。过滤器上装有切换阀，直接安装在管路中为后面的系统元件提供持续的保护。

工作压力：最高压力4MPa　　工作温度：-25℃~120℃

发讯器发讯压差：0.35MPa　　旁通阀开启压差：0.5MPa

壳体材料：钢

工作介质：矿物油、乳化液、水-乙二醇、磷酸酯液压液

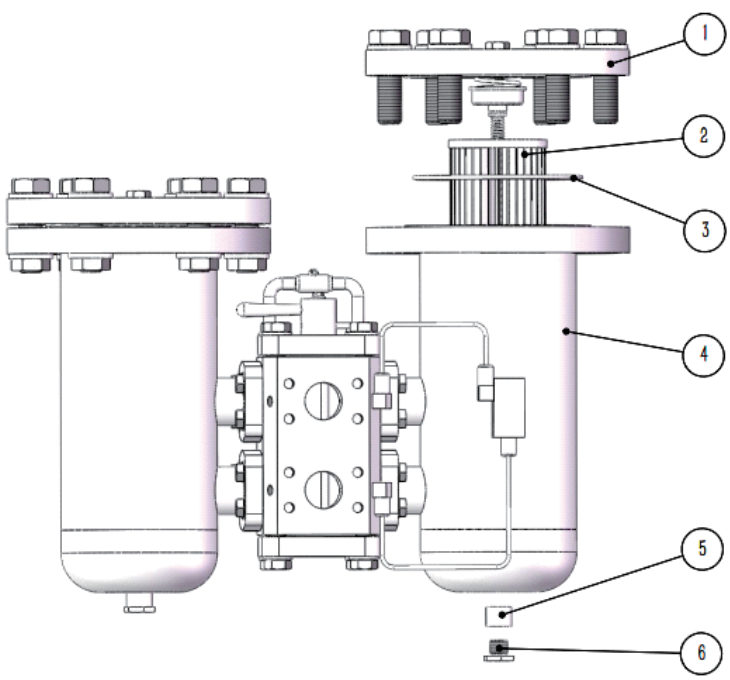
Being used in filtration of hydraulic oil and lubricants at medium pressure. T h e filter has a change-over valve and it can be directly installed in the pipelines to provide wear protection of subsequent components and systems.

Operating pressure: Max. 40 bar　　Operating temperature: -25℃~120℃

Setting pressure of clogging indicator: 3.5 bar　　Bypass valve cracking pressure: 5bar

Filter housing material:steel

Working substance: mineral oil, emulsion, water-glycol, phosphate ester hydraulic oil



序号 Number	名　称 Name	说　明 Note
1	滤盖 Cap	
2	滤芯 Element	易损件 Wearing Parts
3	O型密封圈 O-ring	易损件 Wearing Parts
4	壳体 Housing	
5	连接管 Connecting pipe	
6	螺塞 Screw	

▶ 系列型谱 ORDERING INFORMATION

过滤器型号Filter Assembly | PLF | 400 | FD | 1 | H4 | 1

代号 Code	过滤器结构形式 Form of filter
PLF	单筒过滤器 Single cylinder filter
PLFD	双筒切换过滤器 Double cylinder switch filter

代号 Code	流量（L/min) Flow rate
040	40
063	63
100	100
160	160
250	250
400	400
630	630
1000	1000
1500	1500
2000	2000

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	过滤材料及精度 Filtration material and filtration rating in μm
FB	无机纤维Inorganic fibers β1(c)≥200
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
CE	滤纸 Paper 30μm
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
MS	不锈钢编织网 Stainless steel wire mesh 60μm

代号Code	发讯器类型Indicator option
0	无压差发讯器Without differential pressure indicator
R2	压力表 Pressure gauge
S4	目视式压差发讯器Visual differential pressure indicator
H4	目/电式压差发讯器Visual-electrical differential pressure indicator

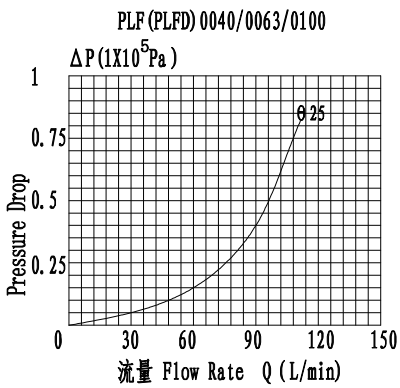
代号Code	工作介质 Working substance
1	矿物油、乳化液 oil, emulsion
2	磷酸酯液压液 Phosphate ester
3	水-乙二醇 Water-glycol

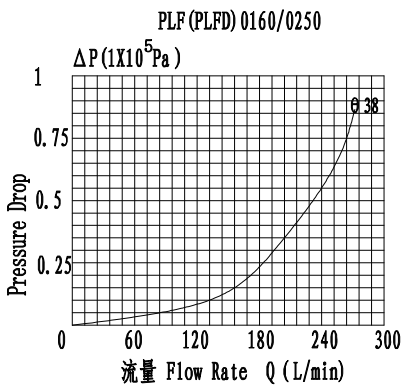
滤芯型号 Replacement Element | LFX | 400 | FD | 1

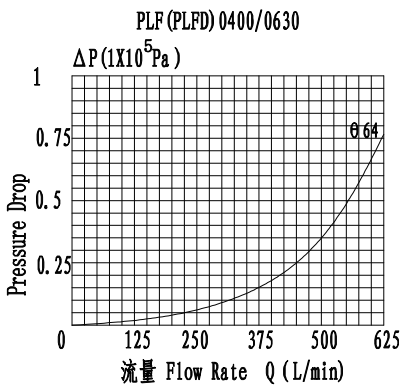
▶ 压降流量曲线 PRESSURE DROP CURVES CHARACTERISTICS

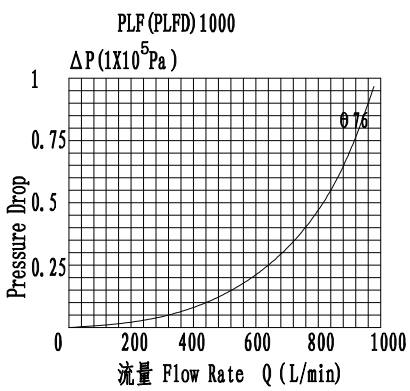
▶ (介质参数KINEMATIC VISCOSITY :30mm²/s DENDITY 0.86kg/dm³)

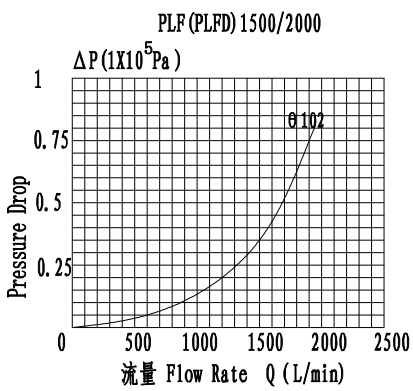
过滤器壳体压降 Filter Housing Pressure Drop



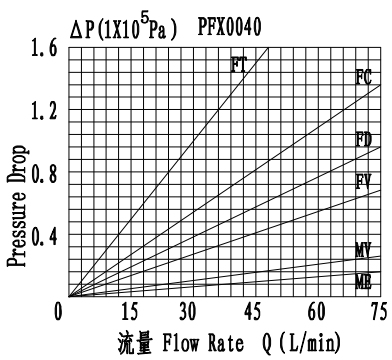


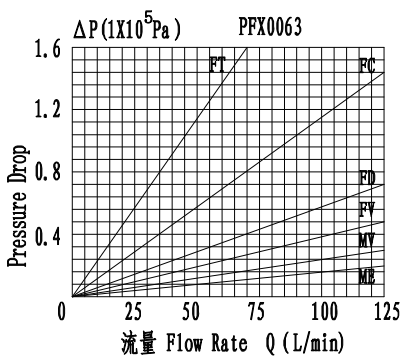


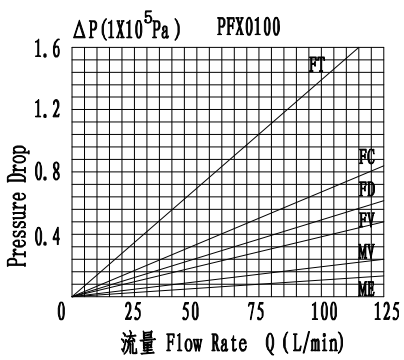




清洁滤芯压降Clean Pressure Drop

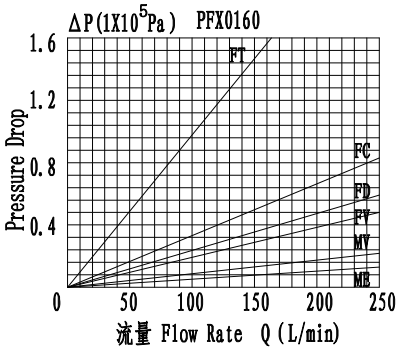


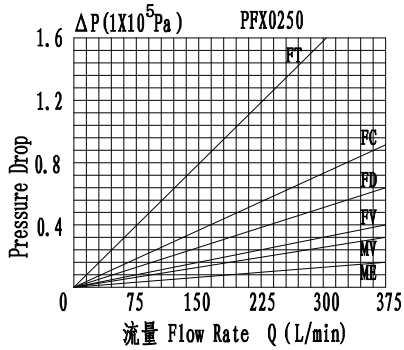


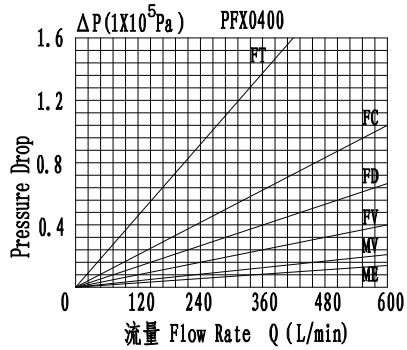


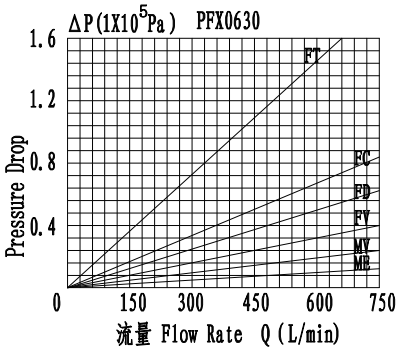
▶ 压降流量曲线 PRESSURE DROP CURVES CHARACTERISTICS

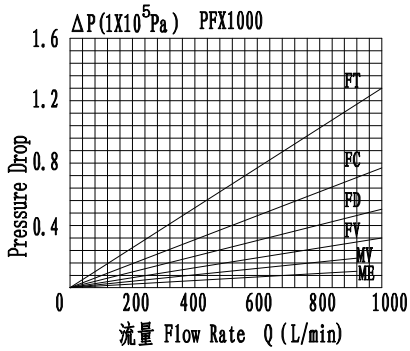
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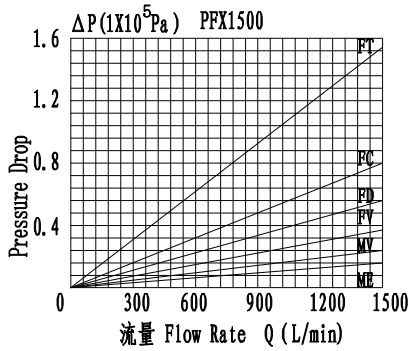




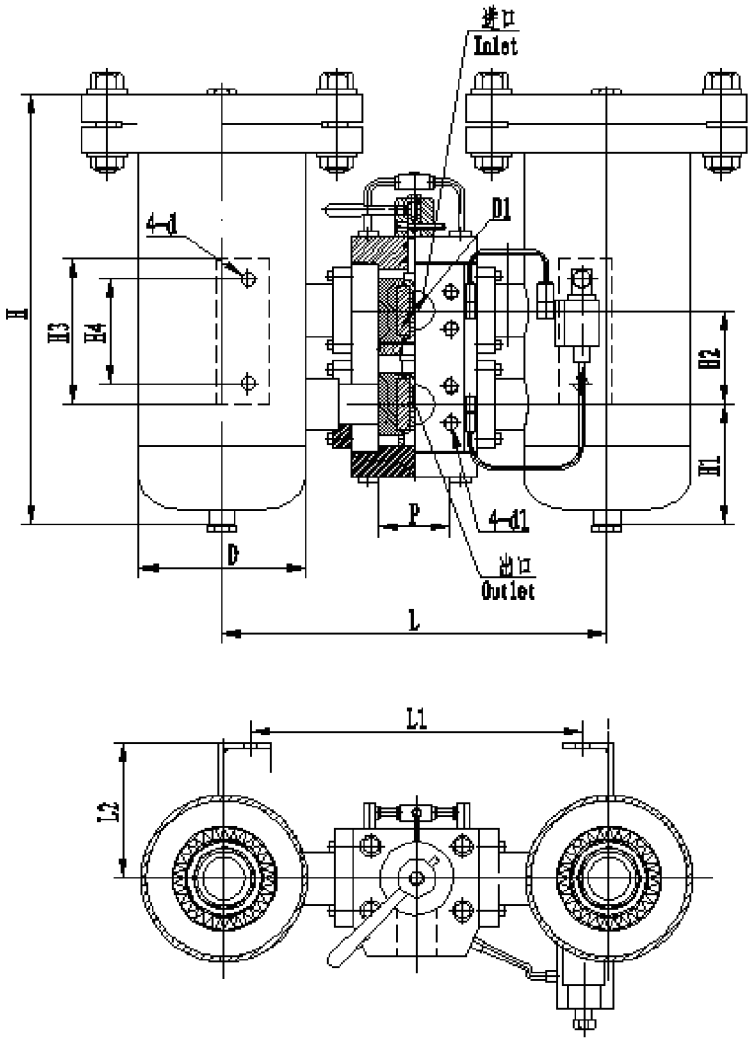






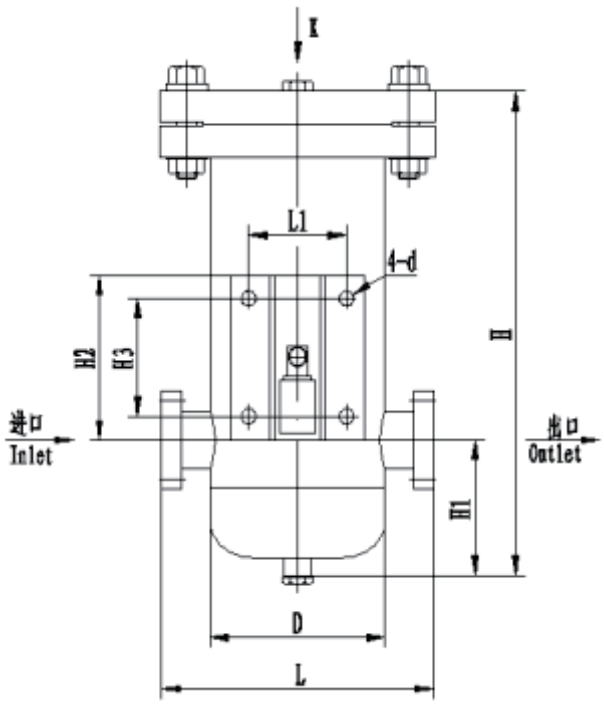


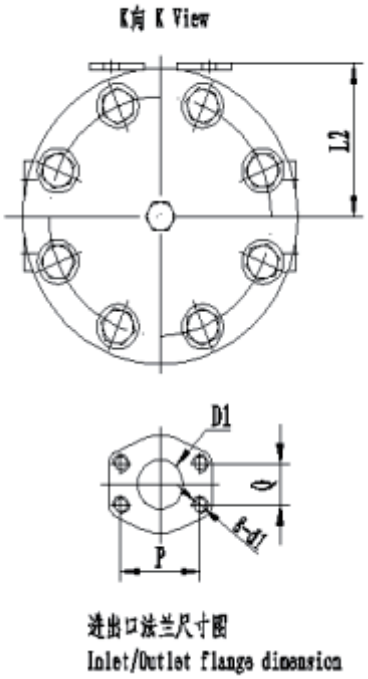
▶ 图示尺寸 DIMENSIONS



过滤器型号 Filter Type	H	H1	H2	H3	H4	L	L1	L2	D	D1	P	Q	d	C
PLFD0040	266	86	75	114	90	270	240	78	Φ95	Φ25	52.4	26.2	Φ9	M10
PLFD0063	326													
PLFD0100	416													
PLFD0160	396	122	90	140	100	368	318	130	Φ159	Φ38	69.9	35.7	Φ13	M12
PLFD0250	486													
PLFD0400	525													
PLFD0630	675	140	130	200	160	450	400	147	Φ194	Φ64	88.9	50.8	Φ17	M12
PLFD1000	695													
PLFD1500	895	150	170	300	250	514	464	160	Φ219	Φ76	106.4	61.9	Φ17	M16
PLFD2000	1095									Φ102	130.2	77.8		

▶ 图示尺寸 DIMENSIONS





进出口法兰尺寸图
Inlet/Outlet flange dimension

过滤器型号 Filter Type	H	H1	H2	H3	L	L1	L2	D	D1	P	Q	d	d1
PLF0040	266	86	84	60	190	70	74	Φ95	Φ25	52.4	26.2	Φ9	M10
PLF0063	326												
PLF0100	416												
PLF0160	396	122	140	100	260	100	126	Φ159	Φ38	69.9	35.7	Φ13	M12
PLF0250	486												
PLF0400	525												
PLF0630	675	140	200	160	310	130	140	Φ194	Φ64	88.9	50.8	Φ17	M12
PLF1000	695												
PLF1500	895	150	300	250	340	160	148	Φ219	Φ76	106.4	61.9	Φ17	M16
PLF2000	1095								Φ102	130.2	77.8		