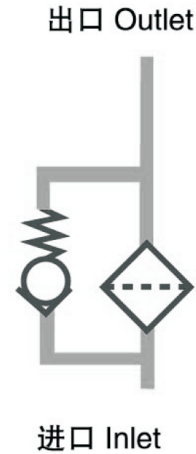




产品液压符号
Hydraulic symbol



压力过滤器
Pressure filter

性能参数 Specifications

结构形式：管路安装	Type of construction: Inline filter
安装方式：壳体顶部吊装	Mounting method: mounting holes in filter head
流动方向：同一水平线安装连接； 一边进，另一边出	Flow direction: Inlet to outlet: side connection at the same level, on opposite sides
工作压力：12bar	Operating pressure: 12 bar
工作温度：-30℃ ~+120℃	Operating temperature range: -30℃~ +120℃
密封：丁晴橡胶，氟橡胶	Seal material: NBR,Viton, EPDM on request
过滤材料：	Filtration media:
玻纤，滤纸和金属网	glass fibre, cellulose and wire mesh
滤芯爆破强度：10bar	Element collapse rating: 10 bar (ISO 2941)
旁通阀开启压差：	Bypass setting:
回油 1.7bar	Opening pressure 1.7 bar forreturn
吸油 -0.25bar	-0.25bar for suction
其它压差设置按用户需求	Other settings on request.
发讯器报警压力：压力/真空表或	Indicator options: - pressure(vacuum) gauge
压力开关：1.5bar	pressure switch: 1.5bar
真空开关：0.2bar	vacuum switch: 0.2bar
工作介质相容性：适用于矿物油、人工合成油	Fluid compatibility: Suitable for mineral oils,
其它介质请咨询公司技术部门	synthetic oils. For use with water, please contact our company.

订货代码 Ordering Code

过滤器 The Completed Filter

PSF 0110 P 010 N B12 V1

过滤器型号 Filter type _____

流量 Flow rate (L/min) _____

0060,0110, 0160,0240

滤芯材料 Element material _____

P: 滤纸 Celullose ($\beta x=2$), F: 玻纤 Glass fiber ($\beta x \geq 200$),
W: 金属网 Wire mesh

过滤精度 Filtration rating (μm) _____

(F): 002, 005, 010, 020 (P): 010, 025 (W): 050, 100,180

密封材料 Seals _____

N:丁晴橡胶NBR, V: 氟橡胶 Viton

接口形式/尺寸 Port type/Size _____

流量 Flow Rate	形式/尺寸 Type/Size			
	B(BSPP 管螺纹 thread)		M(公制螺纹 Metric thread)	
	12	20	M27	M42
0060	●		●	
0110	●		●	
0160		●		●
0240		●		●
B12=G ³ / ₄ , B20=G1- ¹ / ₄ ,				
M27=M27x2, M42=M42x2				

发讯器 Indicators _____

N: 无 NO
V1: 压力表 pressure gauge
V2: 真空表 vacuum gauge
E1: 压力开关 pressure switch (1.5bar)
E2: 真空开关 vacuum switch(0.2bar)



滤芯 The Replacement Element



过滤器主要参数 Filter Specification

过滤器 Filter	接口 Ports	滤芯 Element	流量 Flow(L/min)
PSF0060	G ³ / ₄ ,M27	PSE0060	60
PSF0110		PSE0110	110
PSF0160	G1- ¹ / ₄ , M42	PSE0160	160
PSF0240		PSE0240	240

压降曲线 Pressure Drop Curves

过滤器的压降是壳体的压降加上清洁滤芯的压降。推荐回油过滤器初始压降不大于0.5bar，吸油过滤器初始压降不大于0.03bar。

如果所使用的工作介质粘度不是32cSt，实际压降计算如下：

$$\Delta p = (\Delta p_{32} \times \text{工作介质粘度}) / 32\text{cSt}$$

过滤器压降数据是基于工作介质的动力粘度32cSt、密度0.87得到。

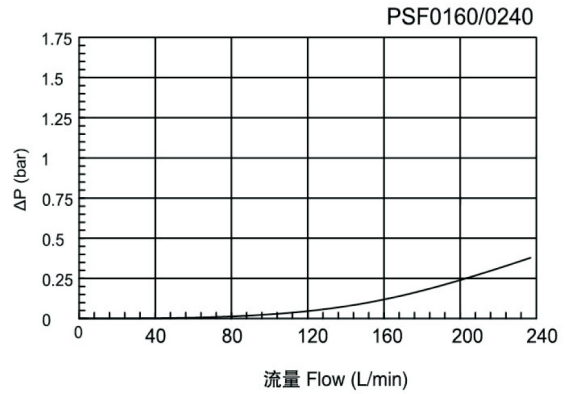
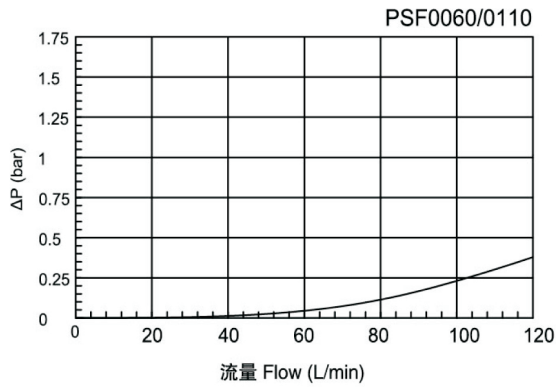
The “Assembly Pressure Drop (ΔP) is obtained by adding the pressure drop values of the filter housing and of the clean filter element and the recommended level of the initial pressure drop is max 0.5 bar for return filters and max 0.03 bar for suction filters .

If the medium used has a viscosity different from 32cSt, pressure drop over the filter can be estimated as follows:

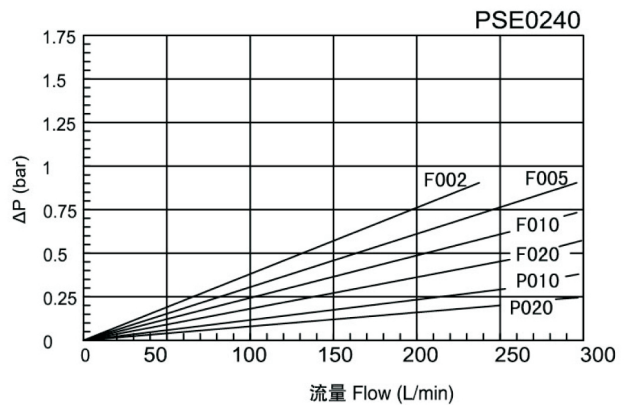
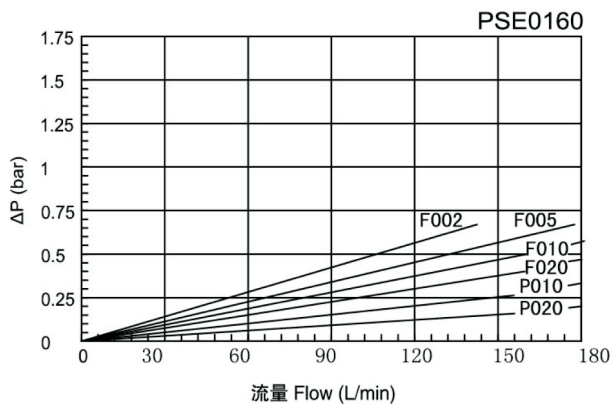
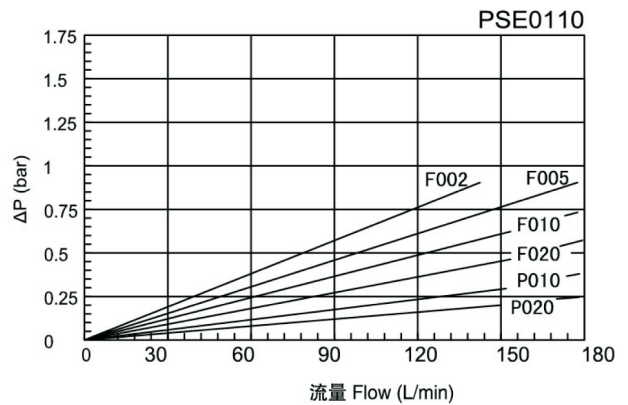
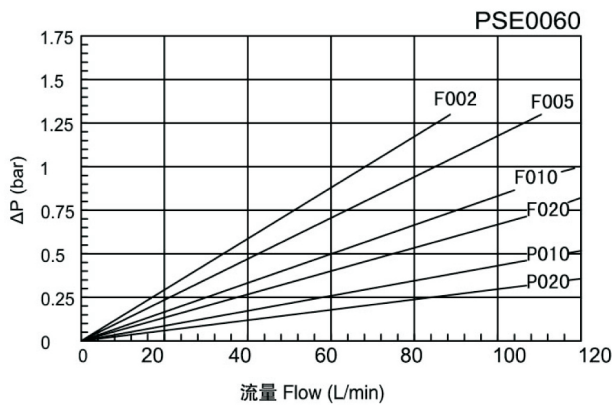
$$\Delta p = (\Delta p_{32} \times \text{viscosity of medium used}) / 32\text{cSt}$$

Filter pressure drop based on 32cSt fluid viscosity and 0.87 density.

壳体压降 Filter Housing Pressure Drop



玻纤和滤纸滤芯初始压降 Clean Element Pressure Drop With Media F & P

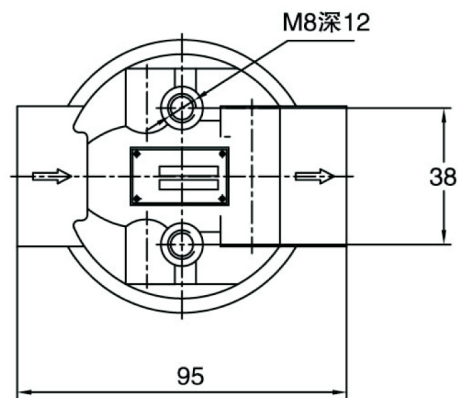
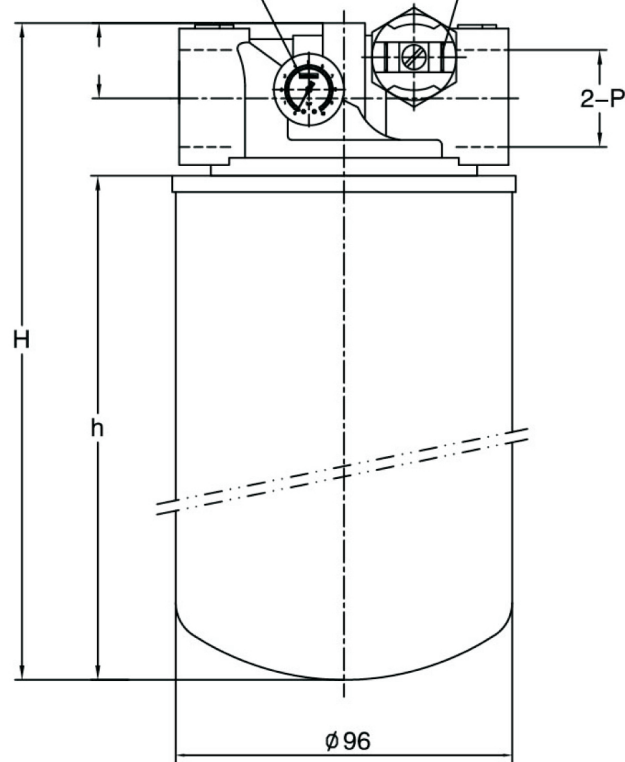


外形安装尺寸 Dimensions

PSF0060-0110

压力(回油)发讯器安装位置
port for indicator (pressure,return)

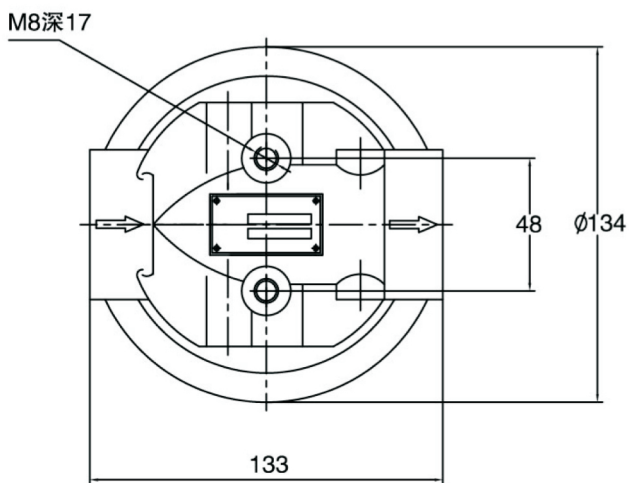
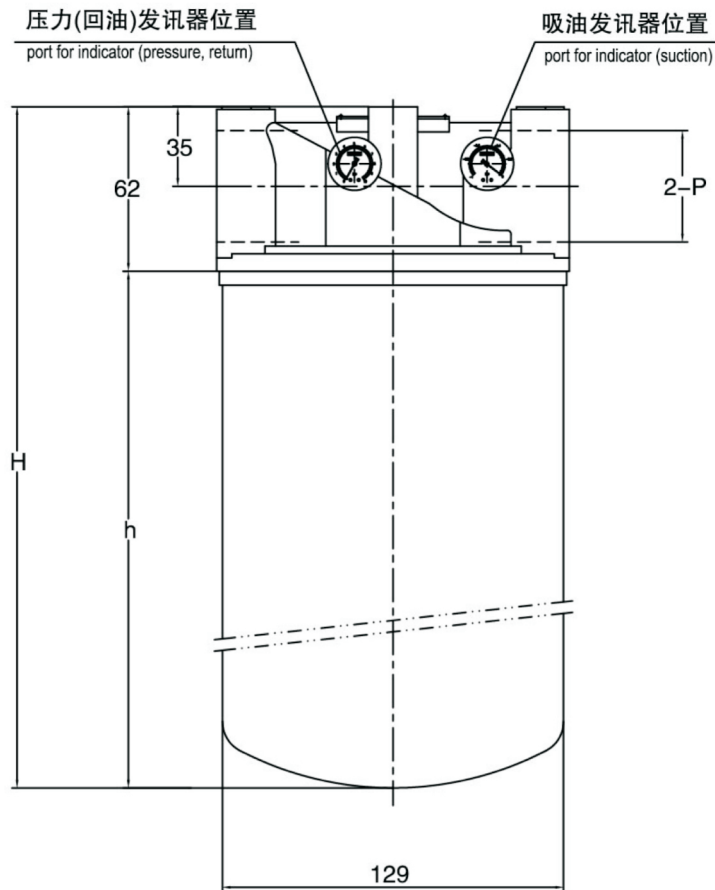
吸油发讯器安装位置
port for indicator (suction)



Type	P	h	H
0060	G ³ / ₄ ,	145	188
0110	M27x2	191	234

外形安装尺寸 Dimensions

PSF0160-0240



Type	P	H	h
0160	G1-1/4	241	175
0240	M42x2	335	270

