

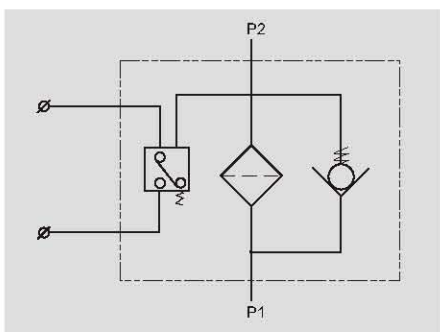
自封型磁性吸油过滤器SCF

Self-Sealing Magnetic Oil-Suction Filter SCF

- 流量至 800L/min
Maximum Flow Rate 800L/min

液压符号

Hydraulic Symbols



1 技术说明

Technical States

1.1 过滤器壳体

Filter Shell

结构

Structure

自封型吸油过滤器由滤盖、滤筒、磁铁、自封阀组成，出油口对面有污染发讯器接孔。

Self-Sealing Oil-Suction Filter consists of Filter Cover, Filter Barrel, Magnet and Self-Sealing Valve. Opposite the Oil-Outlet there are mounting holes for Clogging Indicator.

1.2 滤芯器维护

Filter Maintenance

- 在超声波池中清洗数分钟。或者将滤芯放入清洗剂中约15分钟，然后用刷子将外部的污染物清除。
- 然后用洁净的油液从外到内冲洗
- 用压缩空气从外到内吹干。

注意：在任何情况下，不要让污染物进入滤芯外侧（净化油侧）

- Cleaning several minutes in the ultrasonic pool. Or put it into the detergent about 15 minutes, then remove external pollutants by the brush.
- Then douche it with clear oil fluids from inner to outer.
- Blow-dry it with compressed air from inner to outer.

Attention: Don't get any pollutant into the inner side of the filter (the oil purifying side).

1.3 介质的相容性

Compatibility of Medium

适用于矿物油、润滑油、抗燃油、以及可迅速分解的生物油。用于水介质时请咨询我们技术部门。

Suitable for mineral oils, lubrication oils, non-flam oils and rapidly biodegradable oils.

Please inquire for aqueous medium if needed.

2 概述
General

安装
Mounting
安装在油泵吸油口处
Mounted on the suction port of the hydraulic pump
流向 Flow Direction
入口：垂直向下
Inlet: Vertically Downward

出口：侧面
Outlet: Side
温度范围
Temperature Range
-10℃~+100℃
其他温度范围请咨询。
Please inquire for other temperature range if needed.

污染发讯器设定压力
Pressure Setting of Clogging Indicator
ΔPa =-0.18bar
压力损失
Pressure Loss
ΔP≤0.1bar

3 型号说明（订货示例）
Model Code（Order Example）

3.1 过滤器

Filter
SCF W/HC 300 F 80 B 1 .X /-V
过滤器型式 Filter Type
滤芯材料 Material of Element
W/HC 不锈钢金属网 Stainless Steel Net
壳体规格/材料 Shell Spec/Material
铝Al: 120、300、400、630
连接形式/连接尺寸 Connection Type/ConnectionSize
代号 Code 连接类型 Connecting 过滤器型号 Filter Model
120 300 400 630
F Ø38
F Ø64
F Ø74
F Ø101
Z 根据用户需要定制 According to customer specification
过滤精度 (μm) Filtration Precision (μm)
W/HC: 80、100、180
污染发讯器形式 Type of Indicator
A 发讯器接口带钢制螺塞 with plug screw for indicator connecting
B 电气发讯器 Electrical Indicator
C 目视/电气发讯器 Visual/Electrical Indicator
型式代号 Type Number
1 标准连接 Standard Connection
改型代号 Modification Number
X 提供最新版本 Newest Version Provided
补充说明 Supplemental Instruction
V 氟橡胶密封, 过滤器适用于易迅速生物分解的油和磷酸酯
FPM (Viton) seal, filter suitable for rapidly biodegradable oil and organic phosphate
L 相应电压 (24V、220V) with corresponding voltage (24V、220V)

3.2 滤芯

Filter Element
0300 C 080 W/HC
规格 Spec
0120、0300、0400、0630
型式 Type
C
过滤精度 (μm) Filtration Precision (μm)
W/HC: 80、100、180
过滤材料 Material of Element
W/HC

4 过滤器技术参数

Filter-Technical Parameters

过滤器型号 Filter Model	公称流量 FLOW (L/min)	过滤精度 Filtr (μm)	通径 Dia (mm)	原始压力损失 Initial ΔP (MPa)	连接方式 Connecting	重量 Weight (kg)	滤芯型号 Model of Element
SCF W/HC 120...	120	80 100 180	Φ38	<0.01	法兰式 Flange	4 6.5	0120 C W/HC...
SCF W/HC 300...	300		Φ64				0300 C W/HC...
SCF W/HC 400...	400		Φ74				0400 C W/HC...
SCF W/HC 630...	630		Φ101				0630 C W/HC...

5 压差流量曲线图

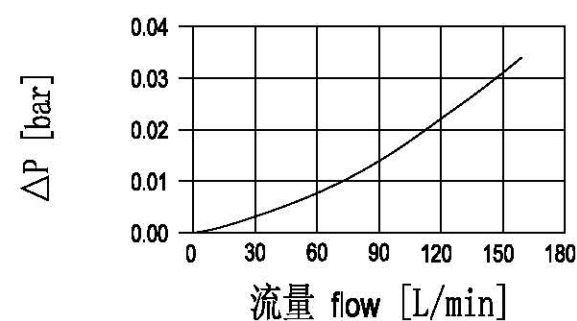
Pressure Differential Flow Curve Chart
特性曲线适用于密度为 0.86Kg/dm^3 且运动粘度为 $30\text{mm}^2/\text{s}$ 的矿物油。

Characteristic Curve is suitable for the mineral oil with density 0.86Kg/dm^3 & kinematic viscosity $30\text{mm}^2/\text{s}$.

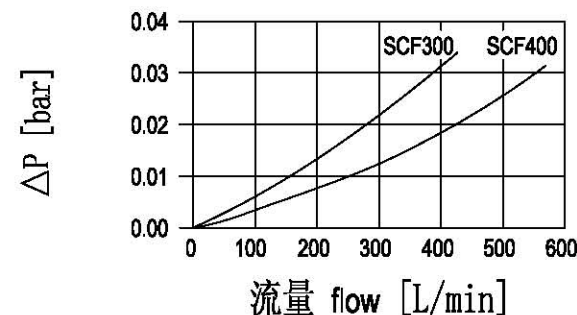
5.1 壳体压降流量特性曲线，按ISO3968

Filter Shell--Pressure Drop Flow Rate
Characteristic Curve, according to
ISO3968

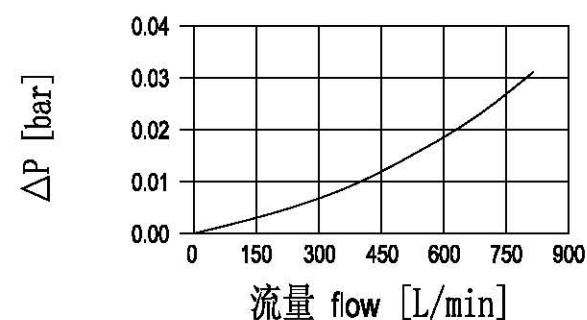
SCF 120



SCF 300/400

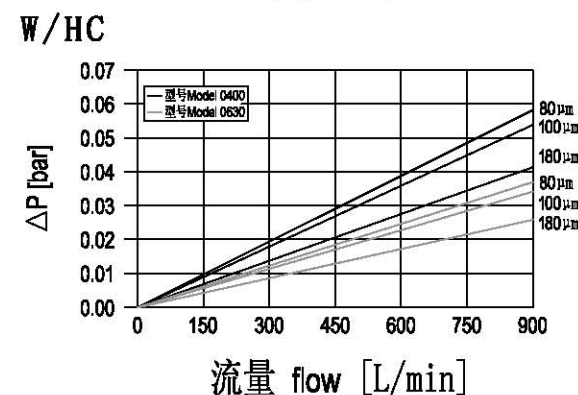
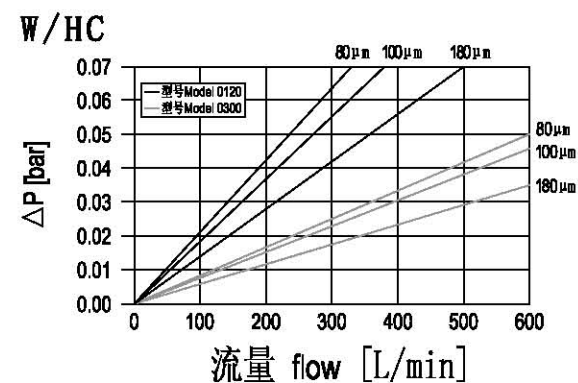


SCF 630



5.2 滤芯压降流量特性曲线

Filter Element--Pressure
Drop Flow Rate
Characteristic Curve



6 外形尺寸 Overall Dimensions

