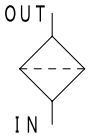
Tank-in type Suction Strainer with extension rod

Characteristics

- For General hydraulic fluid
- Easy filter replacement by extension rod
- Pleated wire gauze enables large filtration area and space saving
- Cleanable and reusable because of stainless-steel wire gauze
- Pipe connection type is “insert”



oil filter

SPECIFICATION

Inner diameter			08	10	12	16	20	24
Standard flow rate ☆		ℓ /min	91	140	206	337	605	817
Max working pressure		MPa	-0.1 ～ 0					
Working temperature		℃	-10 ～ 150					
Main material	Inner tube,End plate		Plated steel plate					
	Filtration media（Wire gauze）		Stainless-steel					
	Rod part		SS, Aluminum					
Coating			Non-coating					
Weight		kg	0.30	0.46	0.62	0.69	0.91	0.96

☆ Standard flow rate is estimated by the condition of density: 0.86, kinematic viscosity: 32mm^2/s,filtration rating: 150W, pressure drop: lower than 0.05MPa.
(Since it is adjusted by characteristic of each product, value can be different in some cases.)

MODEL CODE

〈Model code example〉

SFR – 08 – 150W

Code	Inner diameter
08	1B
10	1 1/4B
12	1 1/2B
16	2B
20	2 1/2B
24	3B

Code	Filtration rating
Wire gauze	
200W	200Mesh
150W	150Mesh
100W	100Mesh
60W	60Mesh

Refer to P.15 -16 for detail information of filter element.

FLOW RATE GRAPH

■ Condition

Fluid type：ISO VG32, Oil temperature：40℃
(Density: 0.86,
Kinematic viscosity: 32mm²/s)
Filtration rating：150W（150Mesh）

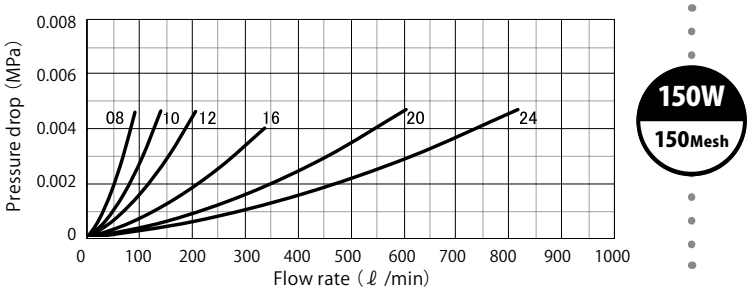
■ How to calculate of pressure drop

・Estimate pressure drop of filter assembly by following equation if required condition is different:

$$\text{Pressure drop of filter (Non case suction)} = \frac{\text{Fluid density}}{0.86} \times \frac{\text{Kinematic viscosity}}{32} \times \text{Pressure drop of filter element at density of 0.86, kinematic viscosity of 32}$$

★ Pressure drop of filter（non case suction）is proportional to fluid density and kinematic viscosity.

① SFR model Pressure drop

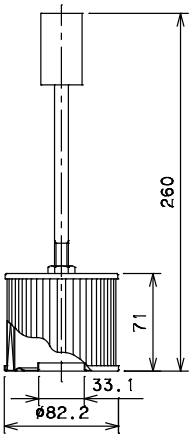


150W
150Mesh

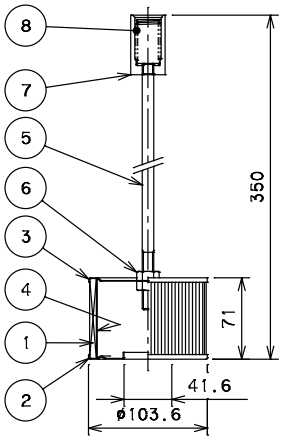
SFR

DIMENSION・PARTS LIST

SFR-08-□□

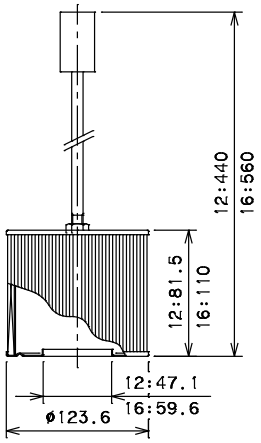


SFR-10-□□

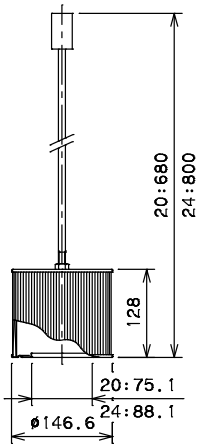


No.	Item	Qty
1	Wire gauze	1
2	End plate	1
3	End plate	1
4	Inner tube	1
5	Rod	1
6	Nut（M10）	2
7	Holder	1
8	Spring	1

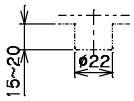
SFR-12,16-□□



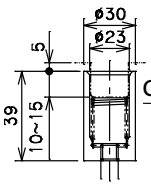
SFR-20,24-□□



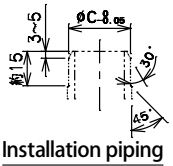
Detail of connecting part



Filter mount



Connecting part of holder



Installation piping

Model code \ Symbol	φC (mm)
SFR-08	33.0
SFR-10	41.5
SFR-12	47.0
SFR-16	59.5
SFR-20	75.0
SFR-24	88.0