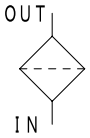
Standard Tank-in type Suction Strainer

Characteristics

- SFT: General hydraulic fluid, SFG: Fire-resistant hydraulic fluid
- All stainless-steel SFG is available for water-based fluid
- Pleated wire gauze enables large filtration area and space saving
- Cleanable and reusable because of stainless-steel wire gauze
- Pipe connection type is “Rc threaded”



oil filter

SPECIFICATION

Inner diameter			02	03	04	06	08	10	12	16	20	24
Standard flow rate ☆ ℓ /min			7	17	25	52	91	140	206	337	605	817
Max working pressure MPa			-0.1 ～ 0									
Working temperature ℃			-10 ～ 150									
Main material	Inlet,Inner tube End plate	SFT	Plated steel plate, SS									
		SFG	Stainless-steel									
	Filtration media（Wire gauze）											
Coating			Non-coating									
Weight kg		SFT	0.085		0.115		0.2	0.325	0.405	0.59	0.75	0.95
		SFG	0.075		0.105		0.19					

☆ 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〉

SFT / SFG – 08 – 150W

Code	Fluid type
SFT	Mineral oil
SFG	Fire resistant fluid
	Water

Code	Inner diameter
02	Rc 1/4
03	Rc 3/8
04	Rc 1/2
06	Rc 3/4
08	Rc1
10	Rc1 1/4
12	Rc1 1/2
16	Rc2
20	Rc2 1/2
24	Rc3

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)

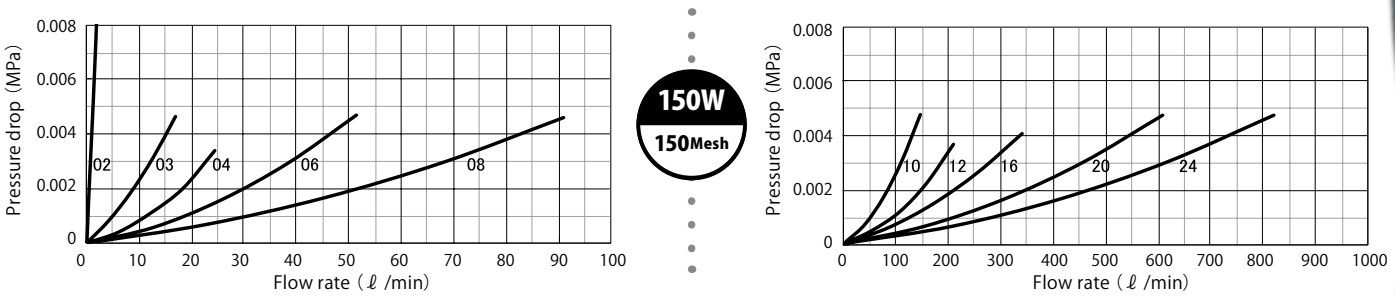
■ How to calculate of pressure drop

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

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

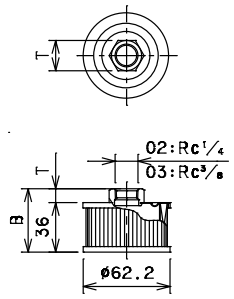
★ Pressure drop of filter (non case suction) is proportional to fluid density and kinematic viscosity.

① SFT・SFG model Pressure drop



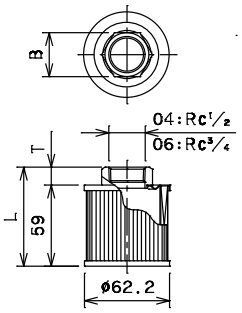
DIMENSION・PARTS LIST

SFT,SFG-02,03-□□



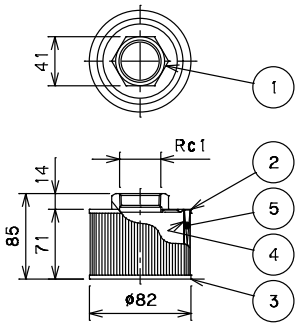
Model code \ Symbol	B	L	T
SFT,SFG-02	19	45	9
SFT,SFG-03	22	45	10

SFT,SFG-04,06-□□



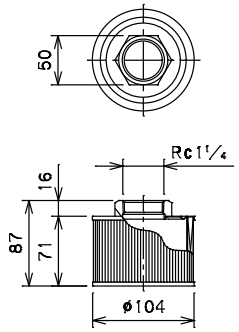
Model code \ Symbol	B	L	T
SFT,SFG-04	27	71	12
SFT,SFG-06	32	72	13

SFT,SFG-08-□□

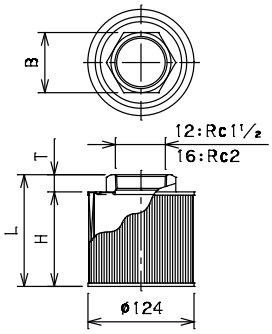


No.	Item	Qty
1	Coupling	1
2	End plate	1
3	End plate	1
4	Inner tube	1
5	Wire gauze	1

SFT,SFG-10-□□

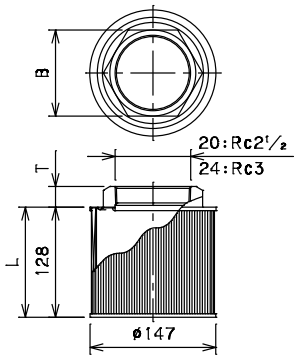


SFT,SFG-12,16-□□



Model code \ Symbol	B	H	L	T
SFT,SFG-12	55	81.5	97.5	16
SFT,SFG-16	70	110	130	20

SFT,SFG-20,24-□□



Model code \ Symbol	B	L	T
SFT,SFG-20	85	150	22
SFT,SFG-24	100	152	24