



1. Maximum operating pressure: 35 MPa
Impulse test: 35 MPa x 10⁷ times
2. Spec. for option

Element Type	Element Max. Differential Pressure	Indicator Operating Pressure	Relief Valve Opening Pressure
Standard	0.7MPa	0.3MPa	0.35MPa
High differential pressure	21MPa	0.7MPa	—

3. Manifold-mount type.
4. Please contact us for use of fluids other than mineral oil on O-rings and other parts.
5. Manifold surface finish should be Ra 1.6S(▽▽▽) or better.
6. For mounting, please prepare and use hexagon socket cap bolt (strength 12.9).
Size M16 x 60

■ Replacement of filter element for Model GC

- (1) Loosen the plug on the side of body to drain oil.
- (2) Remove head cover and pull upward element holding the grip on end plate of the element.
- (3) Check a new element, O-rings and backup rings and if they are damaged, replace with new ones.
Set a new element, the plug and head cover.
- (4) Prior to operation start-up, loosen the cap bolt in the center of head cover to release air.

⚠ Caution When releasing air, do not over-loosen No.7 Air vent plug. Avoid No.8 Steel ball pop-out which may cause injury. When removing No.1 Cover, make sure No.11 Set screw is tighten. (Loose screw may damage No.3 Sell.)

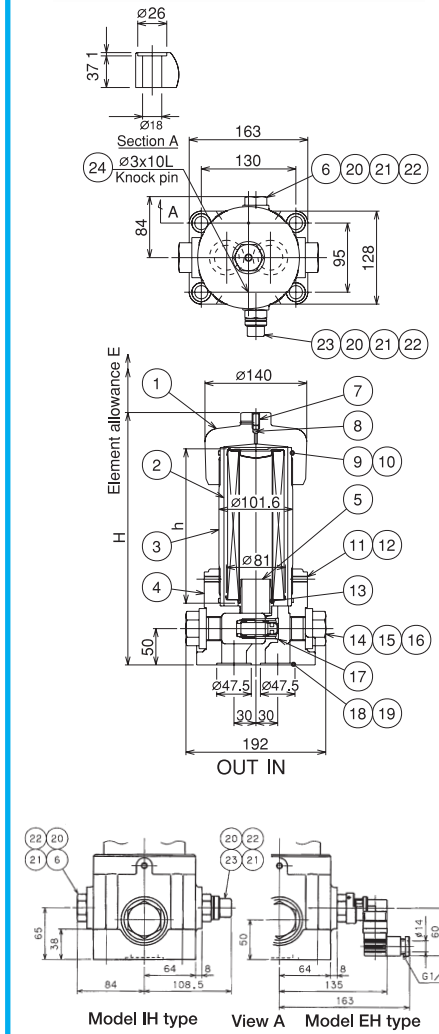
■ Part List

Part No.	Part Name	Material	Qty	Remarks
24	φ 3 x 10L knock pin	SK	1	Option
23	Indicator	SUS303	1	Option
22	O-ring	NBR	2	JISB 2401.1A
21	Backup ring	PTEF	2	JISB 2407. T2
20	O-ring	NBR	2	JISB 2401.1B
19	Backup ring	PTEF	2	
18	O-ring	NBR	2	JISB 2401.1B
17	Relief valve assy	SUM,SECC,SWPA	1s	Option
16	Backup ring	PTEF	2	
15	O-ring	NBR	2	JISB 2401.1B
14	Plug	SS400	2	G1
13	O-ring	NBR	1	
12	Piece	C3604	2	
11	Set screw	SCM435	2	
10	Backup ring	PTEF	2	
9	O-ring	NBR	2	JISB 2401.1B
8	Steel ball	SUJ	1	
7	Air vent plug	SCM435	1	
6	Plug	S45CH	1	
5	Guide	STPG370	1	
4	Body	FCD500	1	
3	Shell	SA372Gr.D	1	
2	Element		1	
1	Cover	S48C	1	

■ O-ring and backup ring (All GC models)

Part No.	9 · 10	13	15 · 16	18 · 19	20 · 21	22
O-ring	G-100	AS568-131 *1 P-42(Hs70)	G-40	G-40	P-22	P-16
Backup ring	t1.5 × φ 103/98	*2 t1.25 × φ 47.2 × 42.9	SUN-4B,G-40 (for fange)	SUN-4B,G-40 (Endless)	JIS B2407,T2 ,P22	

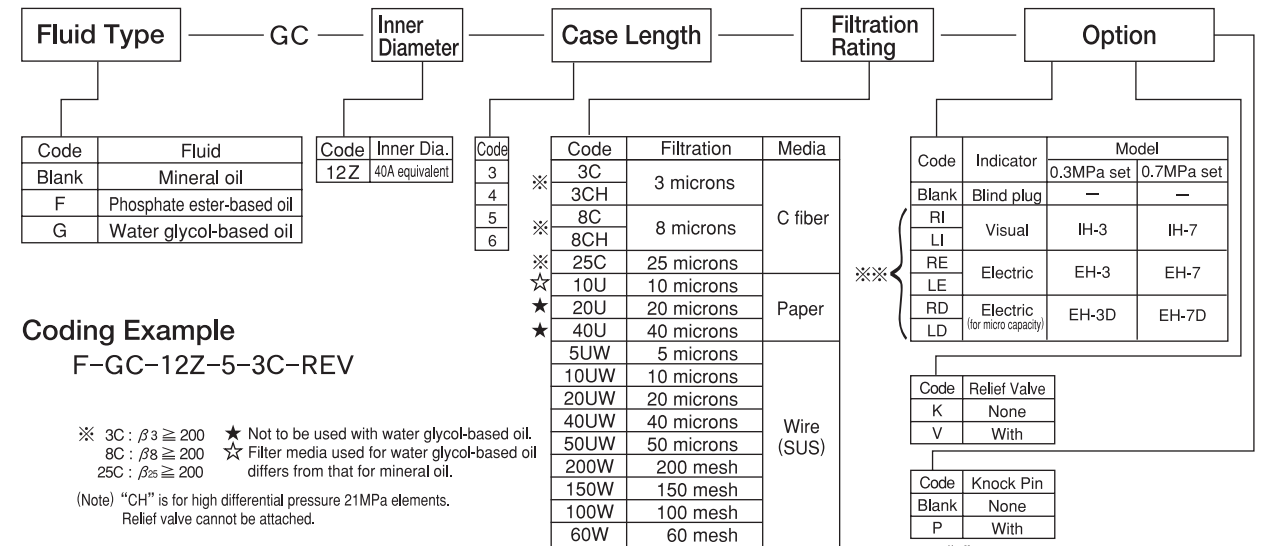
*1 For use of 5UW, 10UW and 20UW
*2 Backup ring is included for use of high differential pressure element only.



■ Dimensions and Standard Flow Rates

Model	Symbol	H	Element Height h	Element Allowance E	Mass kg	Standard Flow Rate (l/min)
GC-12Z-3		256	120	80	20	240
GC-12Z-4		347	211	170	22	300
GC-12Z-5		466	330	290	24	330
GC-12Z-6		567	431	390	26	350

▶ Model Code



▶ Spares

■ Element

P — Fluid Type — GC — Case Length — Filtration Rating

Coding example: P-F-GC-5-3C

■ Sealing parts set

● For element replacement (Part No. with ◎ in "O-ring and Backup ring".)

SP — Fluid Type — GC — 12 Z — Filtration Rating

Coding example: SP-F-GC-12Z-H

Code	Filtration Rating
H	3CH, 8CH
UW	5UW, 10UW, 20UW
Blank	Others

● For overhaul

SA — Fluid Type — GC — 12 Z — Filtration Rating

Coding example: SA-F-GC-12Z-UW

Code	Filtration Rating
H	3CH, 8CH
UW	5UW, 10UW, 20UW
Blank	Others

▶ Flow Rate Chart

● ISO VG32 ● Viscosity: 32 cSt (40°C)

