

1. Install TSF filter directly on top of tank. Secure the filter to companion flange seat with bolts firmly using d3 holes.
2. No oil outflow from case during checking or replacing of filter elements when extracting element upward from vertical housing.
3. Stainless steel wire elements of 60,100,150 and 200 mesh are provided as standard.
4. Either thread or flange (Additional Option) can be used for piping connection.
5. Relief valve (Additional option) opens at 40kPa.
6. Indicator (additional option) of either visual observation type to detect negative pressure or electric contact type (activation pressure 30kPa) can be installed.
7. Please contact us for use of fluids other than mineral oil on O-rings and other parts.

Part List

Part No.	Part Name	Material	Qty	Remarks
16	O-ring	NBR	1	JIS B2401, 1A
15	Cap bolt	SCM435	4	
14	Companion flange	SS400	1	Option
13	Indicator		1	
12	Packing	Non asbestos	1	
11	Blind plug	SCM435	2	R1/4
10	Cap bolt	SCM435	4	
9	Cap bolt	SCM435	4	TSF-10, 12, 16 only
8	O-ring	NBR	1	JIS B2401,1A
7	O-ring	NBR	1	JIS B2401,1A
6	O-ring	NBR	2	JIS B2401,1A
5	Relief valve	STKM13A	1	TSF-16 : AC2B
4	Element		1	
3	Cover	ADC12	1	
2	Lower case	SS400 SPCC	1	TSF-06,08 : ADC12
1	Body	ADC12	1	

Companion Flange and O-ring

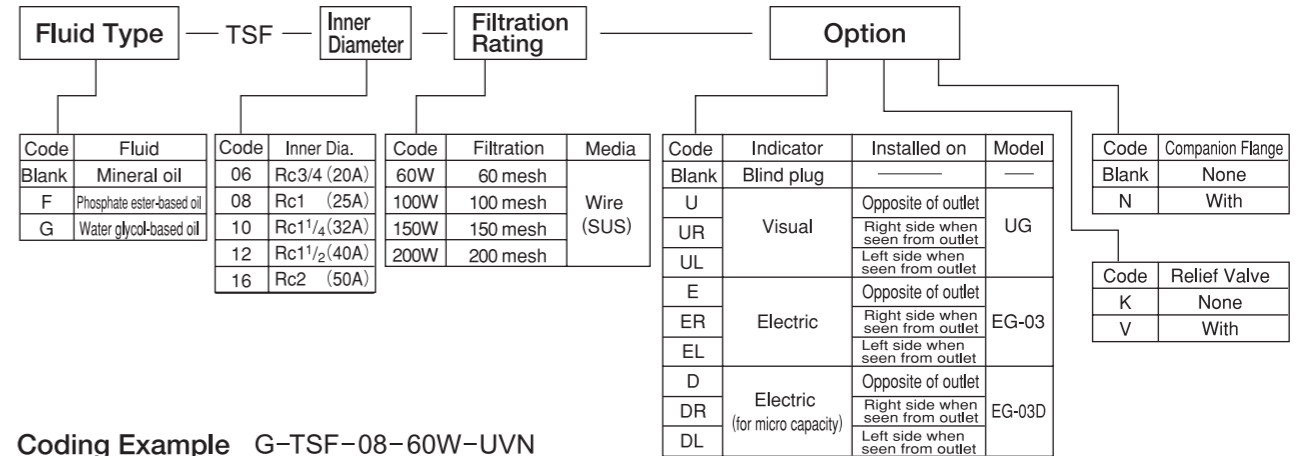
Part No.	Companion Flange (Option)					6	7	8	12
	G	H	t	e	d ₄				
Model					16				
TSF-06	68	62	18	9	φ 27.7	G-40	P-36	G-90	t1.5X□113/φ105
TSF-08					φ 34.5				
TSF-10	84	76	21	10	φ 43.2	G-55	G-50	G-115	t1.5X□136/φ120
TSF-12					φ 49.1				
TSF-16	100	94	24	11	φ 61.1	G-70	G-60	G-130	t1.5X□170/φ134

Dimensions

Symbol Model	Inner Dia. (d)	d _o	H	H ₁	H ₂	H ₃	H ₄	A	D	B	C	d ₂ ×L	Mount				T	Element Allowance E		Element h	Element D ₃	Mass (kg)※
													D ₁	D ₂	D ₃	d ₃		E	E			
TSF-06	Rc 3/4	Rc 1	234	147	87	40	47	70	102	50	36	M8×19	135	125	105	9.6	10	255	145	76	3	
TSF-08	Rc 1																					
TSF-10	Rc 1 1/4	Rc 1 1/2	318	210	108	50	58	85	110	64	46	M10×21	156	150	120	12	13	330	209	92	6	
TSF-12	Rc 1 1/2																					
TSF-16	Rc 2	Rc 2	388	260	128	60	68	95	124.6	76	52	M12×23	190	170	134	15	17	440	259	105	8	

※Mass(kg) does not include companion flange.

Model Code



Coding Example G-TSF-08-60W-UVN

Spares

Element



Coding example : P-G-TSF-08-60W

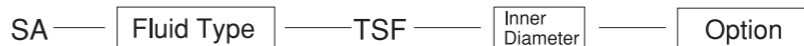
Sealing parts set

● For element replacement (Part No. with © in "Companion flange and O-ring" .)



Coding example : SP-G-TSF-08

● For overhaul



Coding example : SA-G-TSF-08-N

Flow Rate Chart

● ISO VG32 ● Viscosity: 32 cSt (40°C)

