

1. Maximum operating pressure: 7 MPa
Impulse test: 7 MPa x 10⁷ times
2. Easy to replace elements for upward removal.
3. Elements are common to all "U" Series (UL, UM, UH).
4. Piping method is common to thread type and flange type.
Companion flange is available in additional option.
5. Flow direction can be changed by turning Cover-ASSY 180 degrees.
6. Please contact us for use of fluids other than mineral oil on packing, O-rings and other parts.

Max. differential pressure of element	Option	
	Indicator pressure (All red)	Relief valve opening pressure
0.7MPa	0.3MPa	0.35MPa

Part List

Part No.	Part Name	Material	Qty	Remarks
22	O-ring	NBR	1	JIS B2401. 1A
21	O-ring	NBR	1	JIS B2401. 1A
20	O-ring	NBR	1	JIS B2401. 1A G-155
19	Indicator		1	
18	Cap bolt	SCM435	8	} Option
17	Companion flange	SS400	2	
16	O-ring	NBR	2	JISB 2401. 1A
15	O-ring	∅	1	∅ 1A
14	O-ring	∅	1	∅ 1B
13	O-ring	∅	1	∅ 1A
12	O-ring	∅	1	∅ 1A
11	O-ring	∅	1	∅ 1A
10	O-ring	NBR	1	JISB 2401. 1A
9	Cap bolt	SCM435	4	
8	G3/8 drain plug	SCM435	1	UM-10~24B: G1/2
7	Spring holder	SS400	1	
6	Spring	SWPA	1	} Option
5	Relief valve	SECC	1	
4	Element		1	
3	Inlet	ADC12	1	
2	Cover	FCD500	1	
1	Body	FCD500	1	

Element and O-ring

Part No.	Element										
	10	11	12	13	14	15	16	21	22	h ₁	d ₁
UM-03		G-30					G-30			85.3	62.2
UM-04	G-70		P-32	P-14					G-40	155.3	62.2
UM-06		G-40					G-40				
UM-08					P-18	P-14					
UM-10	G-95	G-55	G-45				G-55	G-25	G-45	204.5	82.2
UM-12							G-70			254.5	102.2
UM-16A	G-110	G-65	G-60	P-18							
UM-20B	G-135	G-95	G-80				G-100	G-30	G-55	304.5	124
UM-24B											

***H₃ height of indicator: Model I...36, Model E...91
Add this height to the element allowance E.

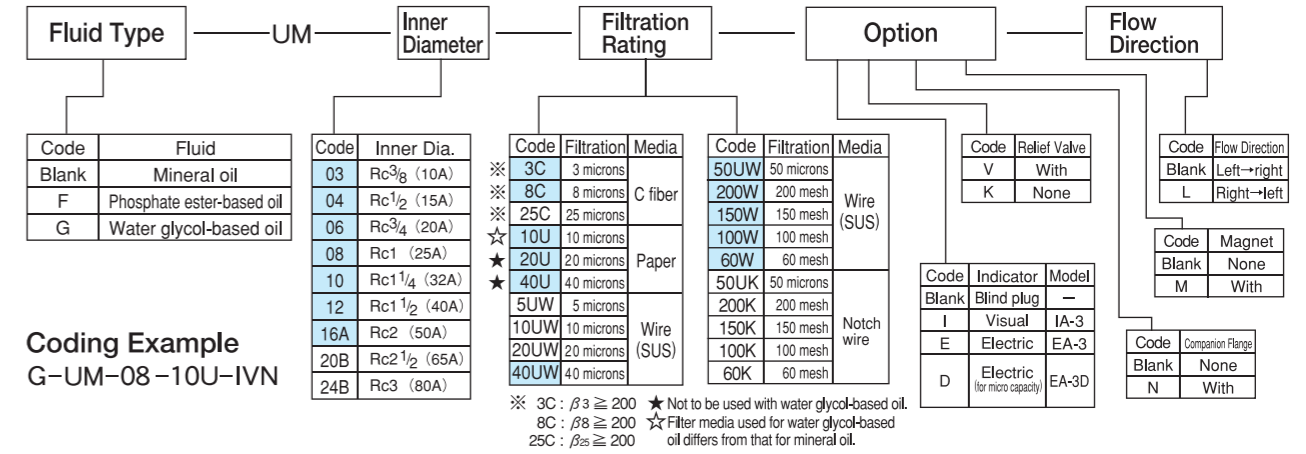
Dimensions and Standard Flow Rates

Symbol Model	d	H	H ₁	H ₂	A	B	C	D	W	a	b	d ₂ × ℓ	Element Allowance E	Companion Flange (Option)								Mass kg [※]	Standard Flow Rate (ℓ /min)
														d ₃	S	T	P	F	J	K	d ₄ × ℓ		
UM-03	Rc3/8												17.8										25
UM-04	Rc1/2	195	49	146	120	116	61	92	45			M10×15	190	22.2	11	21	48	24	70	52	M10×35	8.9	44
UM-06	Rc3/4												27.7										85
UM-08	Rc1	276	54	222	125	116	61	92	45			M10×15	280	34.5	14	27	56	42	82	72	M12×45	11.1	100
UM-10	Rc1 1/4												43.2										155
UM-12	Rc1 1/2	361	68	293	170	151	78	122	60	20	25	M10×15	360	49.1	16	31	74	52	102	88	M16×55	22.7	180
UM-16A	Rc2	433	75	358	180	150	77	132	64	20	30	M10×15	430	61.1	11	24	76	52	100	94	M12×45	21.5	360
UM-20B	Rc2 1/2												77.1										600
UM-24B	Rc3	528	96	432	215	176	95	165.2	90	25	40	M12×20	530	90.0	15	31	102	80	134	126	M16×60	37.0	660

※Mass(kg) does not include companion flange.

Quick delivery of filters in with mineral oil use. Please contact us on delivery time for others.

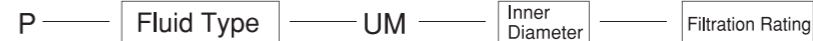
Model Code



Coding Example
G-UM-08-10U-IVN

Spares

Element



Coding example : P-G-UM-08-10U

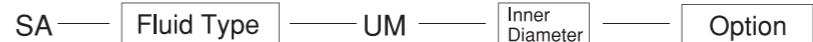
Sealing parts set

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



Coding example : SP-G-UM-08

● For overhaul



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

Code	Companion Flange
Blank	None
N	With

Flow Rate Chart

- ISO VG32
- Viscosity: 32 cSt (40°C)

Common to Models UL, UM and UH

(Except for UH-20 and UH-24)

