



1. Model UR is installed directly on top of a tank.
2. Movable flange for installation to a tank. Nozzle can be set in any direction and height.
3. New design for improving work efficiency to replace elements.
4. Indicators of visual or electric type to detect differential pressure are available in additional option.
5. Model UR can also be used as a low pressure in-line filter.
6. Model UR is available to use for low pressure in-line filter.
7. Please contact us for use of fluid other than mineral oil on packing, O-rings and other parts.

**Spec. for option**

Max. operating pressure	Option	
	Indicator pressure (All red)	Relief valve opening pressure
1.0Mpa	0.3Mpa	0.35Mpa

**Part List**

9	Packing	NBR	1		
8	3	Cap bolt	SCM435	2	M8×35
	2	Spring pin	S60CM	2	
	1	Split flange	ADC12	2	
Split flange set				1set	Option For attached to tank
7	O-ring	NBR	1	JIS B2401.1A	
6	2	Cap bolt	SCM435	4	
	1	Flange	SS400	1	
Flange set				1set	Option
5	3	O-ring	NBR	1	JIS B2401.1B
	2	O-ring	NBR	1	JIS B2401.1A
	1	Indicator	—	1	
Indicator				1set	Option
4	2	Cap bolt	SCM435	4	M8×35
	1	O-ring	NBR	1	JIS B2401.1A
3	1	Element	—	1	
	Element				1set
2	8	O-ring	NBR	1	JIS B2401.1A
	7	O-ring	NBR	1	JIS B2401.1A
	6	Spring	SWPA	1	
	5	Spring holder	S20C	1	
	4	Relief valve	SECC	1	
	3	Cap bolt	SUS304	4	
	2	Inlet	ADC12	1	
	1	Upper cover	ADC12	1	
Upper cover assy				1set	
1	Body	ADC12	1		
Part No.	Part Name	Material	Qty	Remarks	

**O-ring and Packing**

Part No.	2-7	2-8	3-2	5-2	5-3	7	9
UR-06,08	G-80	G-40	P-32	P-14	P-18	G-40	14.35×100.5/89
UR-10,12	G-105	G-55	G-45			G-55	14.35×127.5/116

**Dimensions**

Symbol Model	d Inner Dia.	H	H <sub>1</sub>	H <sub>2</sub>	H <sub>3</sub>	A	B	D	a	b	C	E	h <sub>1</sub>	d <sub>1</sub>	Mass (kg)	Companion Flange (Option)						Split Flange (Option)			Indicator (Option)				
																d <sub>3</sub>	S	T	P	F	J	K	d <sub>4</sub>	d <sub>5</sub>	M	N	d <sub>6</sub>	Common to all	H <sub>4</sub>
UR-06	Rc <sup>3</sup> / <sub>4</sub>	258	219	39	16	62	54	88	50	15	34	260	155.1	62.2	2.3	27.7	9	18	50	36	68	62	9.2	90	90~95.5	111.5	M8	Blank	6
UR-08	Rc1															34.5	10	21	64	84	76	11.6	120	110.3~113.2	150	M10	IA-3	36.5	
UR-10	Rc1 <sup>1</sup> / <sub>4</sub>															43.2	10	21	64	84	76	11.6	120	110.3~113.2	150	M10	EA-3 (D)	91	
UR-12	Rc1 <sup>1</sup> / <sub>2</sub>	335	290	45	16	77.5	63	115	60	15	52	390	204.5	82.2	4.8	49.1	10	21	64	46	84	76	11.6	120	110.3~113.2	150	M10	Blank	6
																49.1	10	21	64	46	84	76	11.6	120	110.3~113.2	150	M10	EA-3 (D)	91

**Model Code**

Quick delivery of filters in      with mineral oil use.

Fluid Type		UR	Inner Diameter		Filtration Rating			Option						
Code	Fluid		Code	Inner Dia.	Code	Filtration	Media	Code	Indicator	Model	Code	Relief Valve		
Blank	Mineral oil		06	Rc <sup>3</sup> / <sub>4</sub> (20A)	※	3C	3 microns	C fiber	Blank	Blind plug	—	V	With	
F	Phosphate ester-based oil		08	Rc1 (25A)	※	8C	8 microns		※	I	Visual	IA-3		
G	Water glycol-based oil		10	Rc1 <sup>1</sup> / <sub>4</sub> (32A)	☆	25C	25 microns		☆	E	Electric	EA-3		
			12	Rc1 <sup>1</sup> / <sub>2</sub> (40A)	★	10U	10 microns	Paper	D	Electric (for micro capacity)	EA-3D	Blank	None	
					★	20U	20 microns		★				N	With
						40U	40 microns	Wire (SUS)				Blank	None	
						5UW	5 microns		※				F	With
						10UW	10 microns		※					
						20UW	20 microns		※					
						40UW	40 microns		※					
						50UW	50 microns		※					
						200W	200 mesh		※					
						150W	150 mesh		※					
						100W	100 mesh		※					
						60W	60 mesh		※					

※ 3C: β<sub>s</sub> ≥ 200  
 8C: β<sub>s</sub> ≥ 200  
 25C: β<sub>s</sub> ≥ 200  
 ☆ Filter media used for water glycol-based oil differs from that for mineral oil.  
 ★ Not to be used with water glycol-based oil.

**Coding Example**  
G-UR-12-8C-IVNF

**Spares**

**Element**

P — Fluid Type — UR — Inner Diameter — Filtration Rating

Coding example : P-G-UR-12-8C

**Sealing parts set**

● For element replacement (Part No. with © in “O-ring and packing” .)

SP — Fluid Type — UR — Inner Diameter

Coding example : SP-G-UR-12

● For overhaul

SA — Fluid Type — UR — Inner Diameter — Code Companion Flange — Code Split Flange

Coding example : SA-G-UR-12-NF

**Flow Rate Chart**

● ISO VG32 ● Viscosity: 32 cSt (40°C)

