

RL Series <Inline, Low Pressure>

Gas·Liquid

Features

- High-precision cracking performance and high sealing performance
- Best for collecting drainage / exhaust gas after relief by piping OUT side
- IN / OUT side is a straight shape. Installation is easy and slim piping design is available.
- Adjust set pressure at the factory
- Variety of pipe sizes



Description

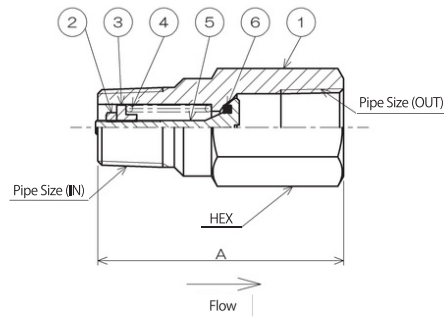
Operation fluid	Gas / liquid that does not corrode wetted parts
Pipe size	1/4"~1-1/4" (R(IN)xRc(OUT))
Proof pressure	1.62MPa
Set pressure	3~1080kPa ※It for pipe size 1/4" is from 3 to 970 kPa. ※3~29kPa is available as an option.
Body material	Brass / SUS316
Seal material	Fluororubber FKM (Standard)
Remarks	When set pressure is under 5kPa, the mounting posture is limited to upward facing exit.

Dimensions / Materials

(mm)

Pipe Size IN(R) × OUT(Rc)	A	HEX
1/4	41.0	19.0
3/8	53.0	22.0
1/2	60.0	27.0
3/4	69.0	32.0
1"	90.0	38.0
1"-1/4	115.0	50.0

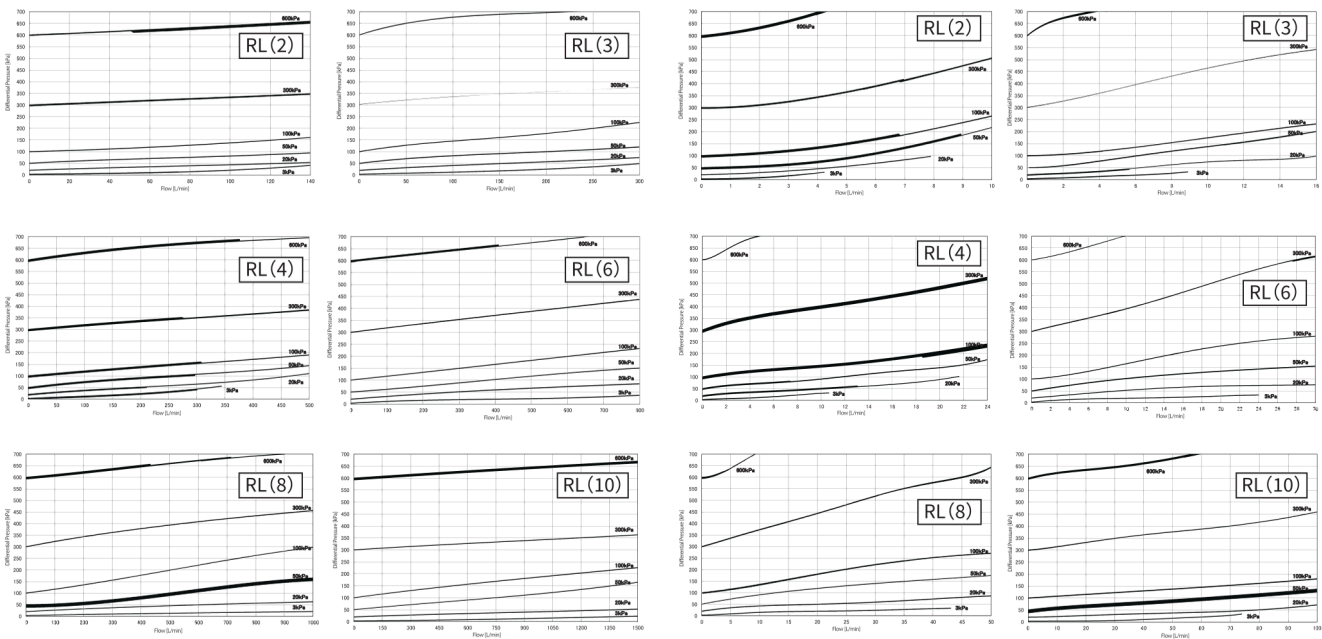
No.	Name	Material	
		Brass[B]	Stainless[T]
①	Body	Brass	SUS316
②	Nut	SUS316L	
③	Guide	Brass or Stainless	SUS316 or SUS316L
④	Spring	SUS304 or SUS316	
⑤	Poppet	Brass	SUS316
⑥	Special Seal	FKM[V](Standard)	



Flow Characteristics

AIR (Representative Value)

WATER (Representative Value)



※ () in the Flow Characteristics graph shows valve pipe size.

Ordering Information

RL	T	2	V	500	※
Item Code	Body Material	Pipe Size	Seal Material	Operation Media Temperature (Reference)	Set Pressure (kPa)
RL Inline	B Brass T SUS316	2 1/4 3 3/8 4 1/2 6 3/4 8 1" 10 1"-1/4	V FKM(Standard) D Perfluor N NBR E EPDM	Brass[B] -0 ~ +120 SUS316[T] -0 ~ +150	Example In case of 0.05MPa (50kPa): 50 In case of 1.0MPa (1000kPa): 1000
					Oxygen Cleaning(OP) (Blank) General Cleaning NO Oil Free

※ Please contact us for other materials.
※ Please contact us when operation temperature is under -20 °C or over 100 °C.
※ Some seal materials are not available depending on pipe size.

Check Valve

- CM [M]
- C/CF
- CH
- HVC
- CAM
- C5
- CD
- CP

Relief Valve

- RA
- RL
- RC
- RHA
- RHL
- RM1
- RM2
- RM3
- RD
- RSP

Needle Valve

- FMNV1
- FMNV2