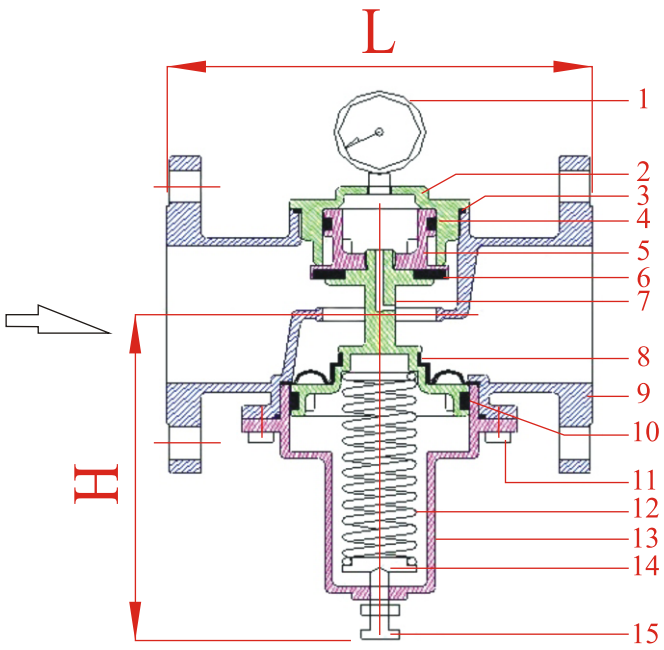
DIRECT-ACTIVATED PRESSURE REDUCING VALVE
(Stainless Steel 316)

- Valve Body is made by Stainless Steel #316, suitable for fluid, air and steam.
- The gate is balanced-pressure designed, which will not influence the outlet pressure caused by unstable inlet pressure.
- When the outlet pressure responds directly to the pressure control chamber and adjusts the setting pressure, it responds quickly and adjusts the pressure accurately.
- Design of piston and diaphragm improves the inability of sustaining pressure and leakage.



- Pressure Adjusting Range：1～6 kgf/cm^2
  4～10 kgf/cm^2
  8～13 kgf/cm^2
- Pressure needed from fully-closed gate to fully-opened gate：1.5 kgf/cm^2 (1 kgf/cm^2 = 14.2 psi)
- Applied Temperature：-15～100°C
  100～180°C (For steam)
- Valve Body Testing Pressure：35 kgf/cm^2
- Maximum Applied Pressure：25 kgf/cm^2

No	Part Name	Material
1	Gauge	Stainless Steel
2	Upper Cover	Stainless Steel 316
3	O-ring	NBR / Viton
4	U-ring	NBR / Viton
5	Piston	Stainless Steel 316
6	Sealing Spacer	NBR / Viton / Teflon
7	Shaft	Stainless Steel 316
8	Diaphragm	NBR / Viton
9	Main Body	Stainless Steel 316
10	UH-ring	NBR / Viton
11	Fixed Bolt	Stainless Steel 304
12	Spring	Spring Steel
13	Lower Cover	Stainless Steel 316
14	Washer	Brass
15	Adjusting Stem	Stainless Steel 304



Thread / Flange Type
◎Thread type does not have Part No. 11.

(Thread end)

Item No	Size	H(mm)	L(mm)	Weight(kg)	CV
RET15-S	1/2”	80	70	0.8	2.4
RET20-S	3/4”	105	85	1.0	9.0
RET25-S	1”	105	92	1.1	11.0
RET40-S	1 1/2”	130	115	2.2	21.0
RET50-S	2”	130	120	3.1	25.0

(Flange Type)

Item No	Size	H(mm)	L(mm)	Weight(kg)	CV
REF15-S	1/2”	85	150	2.0	2.4
REF20-S	3/4”	105	150	2.8	9
REF25-S	1”	105	150	3.5	11
REF40-S	1 1/2”	130	190	5.9	21
REF50-S	2”	130	190	6.5	25
REF65-S	2 1/2”	185	210	11.5	75
REF80-S	3”	185	225	12.0	80
REF100-S	4”	230	250	19.0	120
REF150-S	6”	290	310	45.0	250

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