HD Process NZ LTD
Specialists in sanitary process equipment

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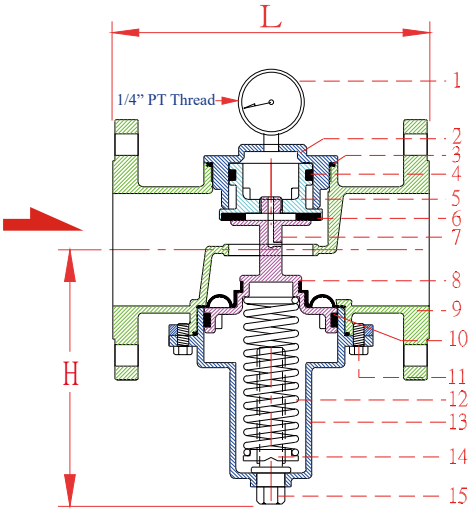
DIRECT-ACTIVATED PRESSURE REDUCING VALVE
(Stainless Steel 316)

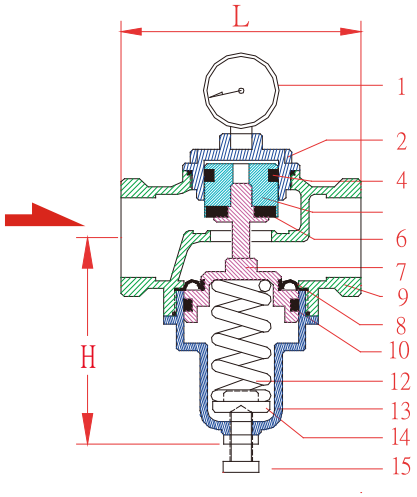
- Valve Body is made by Stainless Steel #316, suitable for fluid, air and steam.
- The gate is balanced-pressure designed, which will not influence the outlet pressure caused by unstable inlet pressure. Pressure needed from fully-closed gate to fully-opened gate：1.5 kgf/cm^2.
- When the outlet pressure 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
  (1 kgf/cm^2 = 14.2 psi)　4～10 kgf/cm^2
  8～13 kgf/cm^2
- Applied Temperature：-15～85°C
- Valve Body Testing Pressure：35 kgf/cm^2
- Maximum Applied Pressure：25 kgf/cm^2
- Please cover steam pipelines with thermal materials

◎Special order can be arranged for higher pressure adjustment range.



No	Part Name	Material
1	Pressure Gauge	Stainless Steel
2	Upper Cover	Stainless Steel 316
3	O-ring	NBR/Viton/Teflon
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 End)

Item No	Size	H(mm)	L(mm)	Weight(kg)	CV
RET15-S	1/2"	75	71	0.9	2.4
RET20-S	3/4"	75	86	1.3	4.0
RET25-S	1"	81	90	1.6	6.5
RET40-S	1.5"	115	115	2.9	13.0
RET50-S	2"	115	120	3.0	17.0

(PN16 Flange)

Item No	Size	H(mm)	L(mm)	Weight(kg)	CV
REF15-S	1/2"	75	154	2.5	2.4
REF20-S	3/4"	82	154	3.3	4.0
REF25-S	1"	82	154	3.5	6.5
REF40-S	1.5"	115	190	5.5	13.0
REF50-S	2"	115	196	7.5	17.0
REF65-S	2.5"	185	210	14.5	30.0
REF80-S	3"	185	229	15.5	42.0
REF100-S	4"	230	254	21.5	75.0
REF150-S	6"	290	310	45.0	170.0