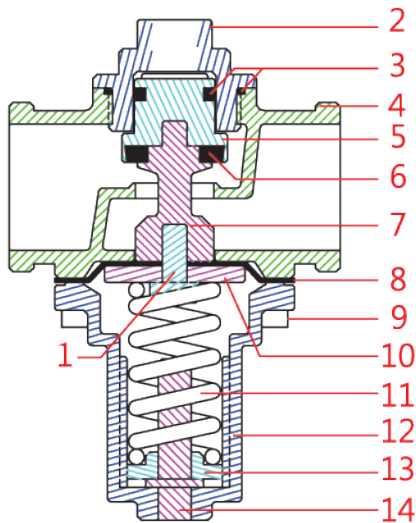


DIRECT-ACTIVATED PRESSURE REDUCING VALVE **SPAN**

Diaphragm Type (Bronze / Screw End) **BS EN : 1567 : 2000**

- ▶ The gate is designed for opening status, which will not influence the water supply function under unstable inlet pressure condition.
- ▶ When the outlet pressure responds directly to the pressure control chamber and adjusts the setting pressure, it responds quickly and adjusts the pressure accurately.



- ▶ Pressure Adjusting Range : 1~5 bar
4~9 bar
(special order is needed for other range)

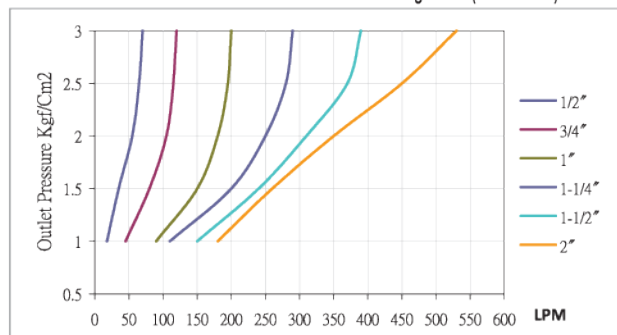
- ▶ Valve Body Testing Pressure : 24 bar
- ▶ Maximum Applied Pressure : 16 bar
- ▶ Pressure needed from fully-closed gate to fully-opened gate : 1 bar
- ▶ Applied Temperature : -15~80°C
- ▶ Applied Condition : Fluid & Air

NO.	Part Name	Material
1	Fixed Bolt	Stainless steel
2	Upper Cover	Bronze
3	O-ring	NBR
4	Body	Bronze
5	Piston	Bronze
6	Sealing Spacer	NBR
7	Shaft	Brass
8	Diaphragm	EPDM
9	Fixed Bolt	Stainless steel
10	Diaphragm Washer	SS304
11	Spring	Spring Steel
12	Spring Cover	Polyamide
13	Spring Washer	Brass
14	Adjusting Bolt	Brass

Item No	Size	H(mm)	L(mm)	Weight(kg)	CV
RDT-15	1/2"	70	60	0.4	2.2
RDT-20	3/4"	70	70	0.5	3.8
RDT-25	1"	80	80	0.8	6.4
RDT-32	1.25"	85	90	1.5	10.3
RDT-40	1.5"	110	110	2.5	12.6
RDT-50	2"	115	115	3	17.2

Flow Chart of Direct-activated Pressure Reducing Valve

Flow Chart of Direct-activated Pressure Reducing Valve (RDT / RDF)



$$CV = \frac{Q}{\sqrt{\Delta P/S}}$$

Q=GPM (gallon/min)

$\Delta P = P_1 - P_2$ (p.s.i.)

P1=Inlet absolute pressure

P2=Outlet absolute pressure

S=Fluid Density (Water=1)

1 gallon=3.785 liter

Stainless Steel Material Available upon order in Advance

MANUFACTURED BY:



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