Media: air – fluid – oil - water
Pressure: Inlet 12 Bar max
Pressure: Outlet 1 to 5 Bar max
Media temperature: -15℃ to +80°C max
Media viscosity: 40 centistokes max
Mounting: any position

Pressure Reducing Valve

1/2 – 21/2
Bronze, Stainless & Titanium
2 WAY DIRECT ACTING
12 – 1 Bar

TYPE RDT,B, S & T

PRESSURE

Ø Port BSP	Flow Cv m³/Hr	Pressure Range (Bar) ΔP Inlet 12 Bar Max	Body Material	Seal	Part Number	
1/2	2.5	Outlet Adjustment Range Options (1 – 3 Bar) (2 – 5 Bar) (4 – 9 Bar)	Bronze	NBR	RDT15B + Pressure Range	
3/4	4			NBR	RDT20B + Pressure Range	
1	6.5			NBR	RDT25B + Pressure Range	
11/4	10			NBR	RDT32B + Pressure Range	
11/2	13			NBR	RDT40B + Pressure Range	
2	17			NBR	RDT50B + Pressure Range	
21/2	28			NBR	RDT65B + Pressure Range	
1/2	2.5		Stainless Steel 304	NBR	RDT15S + Pressure Range	
3/4	4			NBR	RDT20S + Pressure Range	
1	6.5			NBR	RDT25S + Pressure Range	
11/4	10			NBR	RDT32S + Pressure Range	
11/2	13			NBR	RDT40S + Pressure Range	
2	17			NBR	RDT50S + Pressure Range	
		Inlet 16 Bar Max		Spring Cover Material→		
1/2	2.0	Outlet Adjustment Range Options (1 – 6 Bar) (4 – 10 Bar)	Titanium	Viton	RDT15T + cover + pressure range	
3/4	4.0			Viton	RDT20T + cover + pressure range	
1	6.0			Viton	RDT25T + cover + pressure range	
11/4	10.0			Viton	RDT32T + cover + pressure range	
11/2	13.0			Viton	RDT40T + cover + pressure range	
2	17.0			Viton	RDT50T + cover + pressure range	

OPTIONS

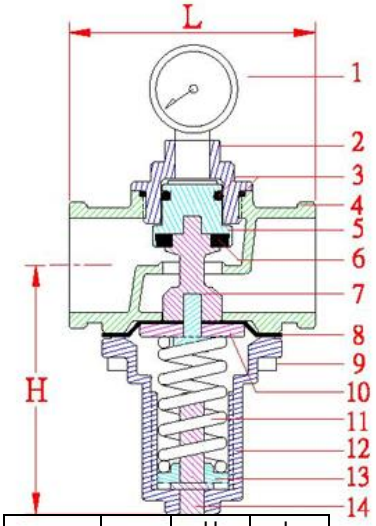
Pressure Gauge
Seals: Bronze & stainless steel models NBR (option EPDM or Viton), Titanium model Viton (optional NBR or EPDM)
Other custom made options and pressure ranges available upon request

CONSTRUCTION

See below
Test Pressure 21 Bar Bronze + Stainless steel, Titanium 24 Bar

OVERALL DIMENSIONS

Direct Acting Pressure Reducing Valve Bronze, Stainless or Titanium body and can be used for fluid, air or water. Pressure reducing valve gate utilises balance pressure system that will not influence outlet pressure regardless of inlet pressure changes. The combination of diaphragm and piston allows the valve to respond quickly and accurately whilst minimising leakage and maintaining accurate outlet pressures.



Model	Port	H (mm)	L (mm)
RDT15	1/2	70	60
RDT20	3/4	70	70
RDT25	1	80	80
RDT32	11/4	85	90
RDT40	11/2	110	110
RDT50	2	115	115

No	Part	Material		
	Model	RDTB Bronze	RDTS Stainless	RDTT Titanium
1	Gauge	Steel	Stainless steel	Stainless steel
2	Upper cover	Bronze	Stainless steel	Titanium
3	O Ring	NBR	NBR	Viton
4	Body	Bronze	Stainless steel	Titanium
5	Piston	Bronze	Stainless steel	Titanium
6	Sealing	NBR	NBR	Viton / PTFE
7	Shaft	Stainless steel	Stainless steel	Titanium
8	Diaphragm	NBR	NBR	CR Rubber
9	Fixed bolt	304 stainless	Stainless steel	Titanium
10	Diaphragm washer	Electroplated iron		Stainless steel 304
11	Spring	Spring steel		Spring Steel
12	Spring cover	Polyamide 66		Titanium or 316 Stainless
13	Spring washer	Brass	Stainless steel	Stainless steel 304
14	Adjusting bolt	Brass	Stainless steel	Stainless steel 304