

Media: air – water  
 Pressure: Inlet 16 Bar max  
 Pressure: Outlet 1 to 5 Bar max  
 Media temperature: -15°C to +80°C max  
 Media viscosity: 40 centistokes max  
 Mounting: any position

# Pressure Reducing Valve

## 1/2 – 2 1/2

### Bronze, Stainless & Titanium

#### 2 WAY DIRECT ACTING

#### (1 – 3), (2 - 5) or (4 – 9) Bar

## TYPE RDT, B, S & T



### PRESSURE

Ø Port BSPT	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			
1 1/4	10			NBR	RDT32B + Pressure Range			
1 1/2	13			NBR	RDT40B + Pressure Range			
2	17			NBR	RDT50B + Pressure Range			
2 1/2	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			
1 1/4	10			NBR	RDT32S + Pressure Range			
1 1/2	13			NBR	RDT40S + Pressure Range			
2	17			NBR	RDT50S + Pressure Range			
				Inlet 16 Bar Max	Titanium	Spring Cover Material →		316 Stainless
		Outlet Adjustment Range Options (1 – 6 Bar) (4 – 10 Bar)	Viton			RDT15T + cover + pressure range		
1/2	2.0		Viton	RDT20T + cover + pressure range				
3/4	4.0		Viton	RDT25T + cover + pressure range				
1	6.0		Viton	RDT32T + cover + pressure range				
1 1/4	10.0		Viton	RDT40T + cover + pressure range				
1 1/2	13.0		Viton	RDT50T + cover + pressure range				
2	17.0							

### 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

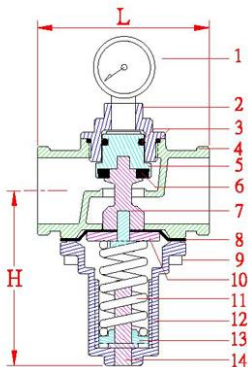
**Included**

### 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.



No	Part	Material		
		RDTB Bronze	RDTS Stainless	RDTT Titanium
	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		
12	Spring cover	Polyamide 66		
13	Spring washer	Brass	Stainless steel	Stainless steel 304
14	Adjusting bolt	Brass	Stainless steel	Stainless steel 304

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

