



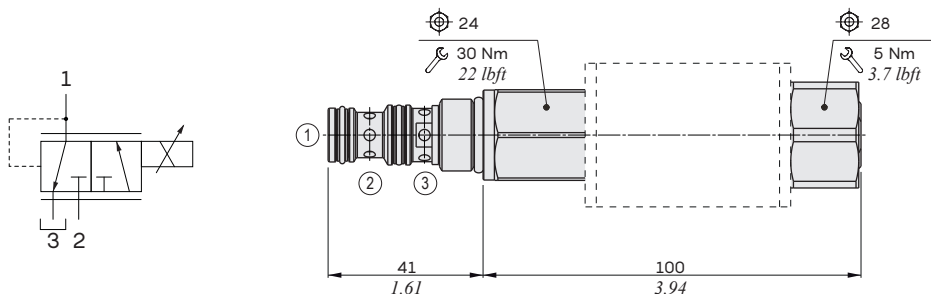
RD08TX type pressure reducing valves - 3 way

- Direct acting with relieving
- Spool type
- Control with proportional solenoid
- System of purging of air
- Applications for high flow rates (max. 210 bar - 3050 psi)
- The backpressure values on line 3 must be added to valve nominal setting

Technical specifications and diagrams are measured with mineral oil of 46 cSt viscosity at 40°C (104°F) temperature.

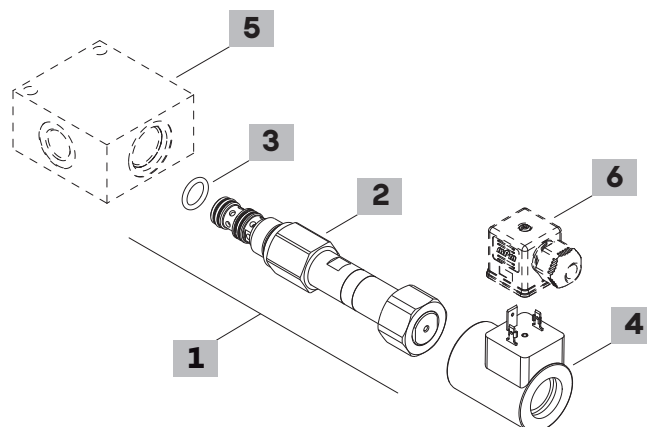
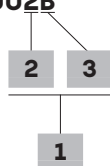
Nominal flow	12 l/min (3.17 US gpm)	
Max. pressure	Port 2 = 210 bar (3050 psi) Port 3 = 30 bar (435 psi)	
Oil leakage	-	
Fluid	mineral based or synthetic hydraulic fluid with lubricating properties	
Viscosity	12-200 cSt	
Max level of contamination	18/16/13 ISO4406	
Fluid temperature	with NBR seals+Polyurethane with FPM seals	from -25°C (-13°F) to 90°C (194°F) from -20°C (-4°F) to 110°C (230°F)
Environmental temp. for working conditions	from -20°C (-4°F) to 60°C (140°F)	
Cavity	SAE 08/3	
Coil type*	BH	
Nominal voltages	12 VDC - 24 VDC	
Max. control current	12 V -> 1.7 A - 24 V -> 0.85 A	
Dither frequency	150-200 Hz	
Weight	0.350 kg (0.77 lb)	

NOTE - For different conditions, please contact Walvoil Sales Dpt. - *For coils further features see from page 201.



Ordering codes and description composition

RD08TX/002B

**1 Cartridges**

TYPE	CODE	DESCRIPTION
RD08TX/001B	ORD08002041	Pressure range 1
RD08TX/002B	ORD08002042	Pressure range 2

2 Pressure range

TYPE	DESCRIPTION
1	Pressure range 0÷45 bar (0÷652.5 psi);
2	Pressure range 0÷35 bar (0÷507.5 psi);

3 Seals

TYPE	DESCRIPTION
B	NBR (Buna)+Polyurethane o-ring seals, std configuration
V	FPM (Viton) o-ring seals, contact Sales Dept

4 Coils

TYPE	CODE	DESCRIPTION
BH 24VDC	4SLD002400A	24VDC-ISO4400 coil

For complete coils list see from page 201

5 Valve body

TYPE	CODE	DESCRIPTION
SAE08/3-SAE8	3CC0830K11	Aluminium body for cavity 08 valve, SAE8 std thread

Note: aluminium body can stand up to 210 bar (3050 psi)
For steel bodies or different threading see from page 210

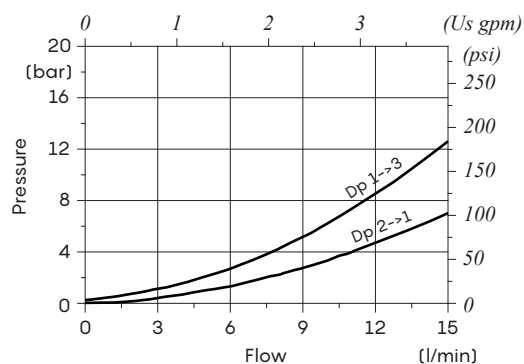
6 Connector

TYPE	CODE	DESCRIPTION
ISO4400	4CN1009995B	Connector

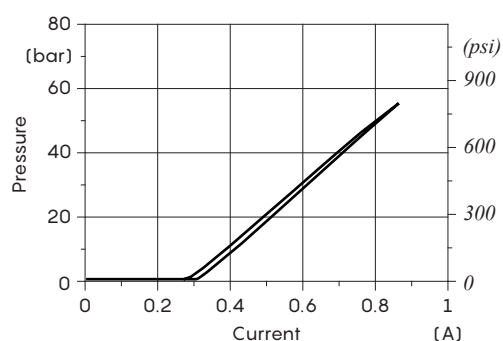
For complete connectors list see from page 201

Rating diagrams

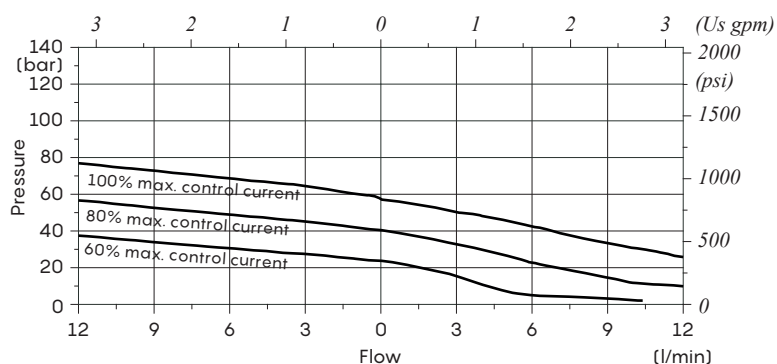
Pressure drop



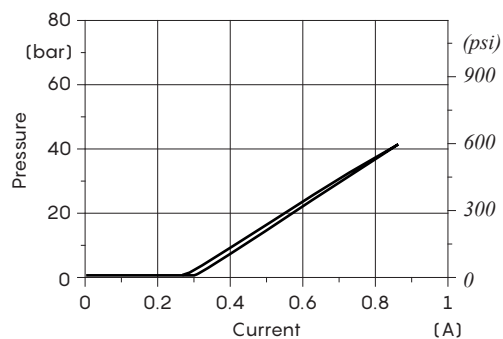
Pressure range 1
Reduced Pressure vs Control Current



Pressure range 1
reducing/relieving pressure vs Flow rate



Pressure range 2
Reduced Pressure vs Control Current



Pressure range 2
reducing/relieving pressure vs Flow rate

