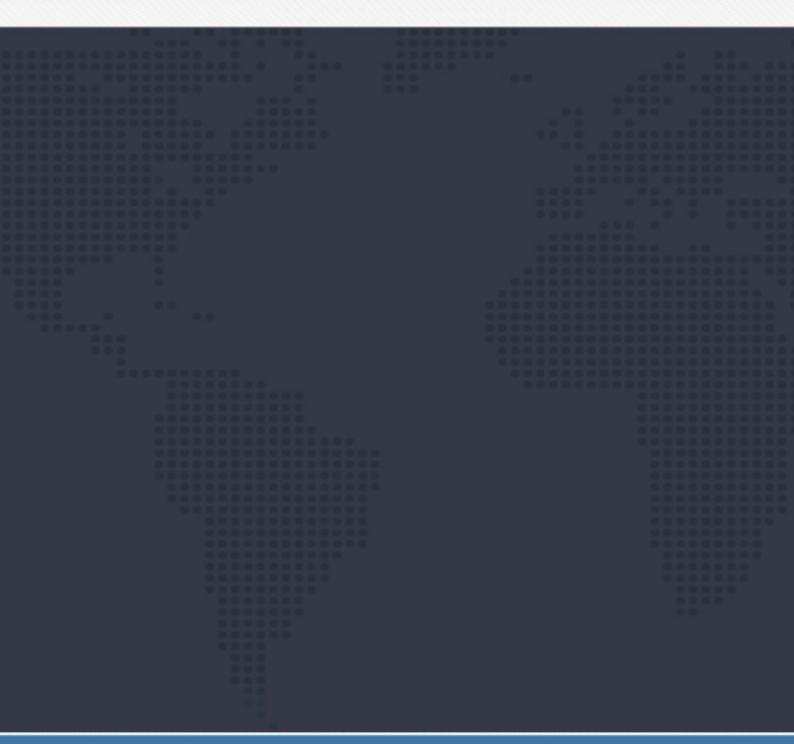


Catálogo de Produtos



Pressure reducing valve, direct operated, type DR 6 DP

BEIJING HUADE HYDRAULIC INDUSTRIAL	Pressure reducing valve, direct operated, type DR 6 DP			RE 26896/12.2004
GROUP CO.,LTD.	Size 6	up to 21MPa	up to 60L/min	Replaces: RE26896/05.2001
Features:				
- Subplate mounting				
- 5 pressure ratings				
 4 adjustment eleme 	nts:			
· Rotary knob,				
Set screw with he	xagon and protec	tive cap,		
· Lockable rotary ki	nob with scale,			
· Rotary knob with	scale			
- Check valve, option	al			and the second se
- Porting pattern to D		,ISO 5781	20	
and CETOP-RP 12		EXTERNAL CONTINUES	11 16 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and the second second

Functional, section

The valve type DR 6 DP is a 3-way direct operated pressure reducing valve with a pressure relief function on the secondary side.

It is used to reduce the system pressure. The secondary pressure is set by the pressure adjustment element (4). At rest, the valve is normally open and the pressure fluid can flow unhindered from port P to port A. The pressure in port A is at the same time, via the control line (6), present at the spool area opposite to the compression spring (3). When the pressure in port A exceeds the pressure level set at compression spring (3), the control spool (2) moves into the control position and holds the set pressure in port A constant.

The control and pilot oil are taken from port A via control line (6).

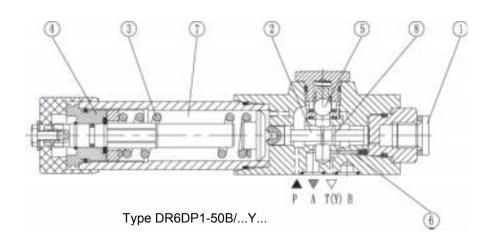
If the pressure in port A still increases due to external forces on the actuator, the control spool (2) moves still further towards the compression spring (3).

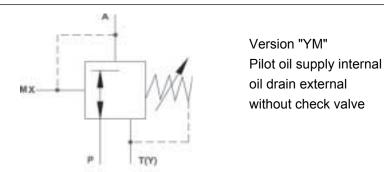
This causes a flow path to be opened at port A via control land (8) on the control spool (2) to the tank. Sufficient pressure fluid then flows to tank to prevent any further rise in pressure.

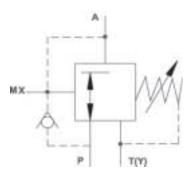
The spring chamber (7) is always drained to tank externally via port T (Y).

For free return flow from port A to port P an optional check valve (5) can be fitted.

A pressure gauge connection (1), permitts the secondary pressure at the valve to be monitored.

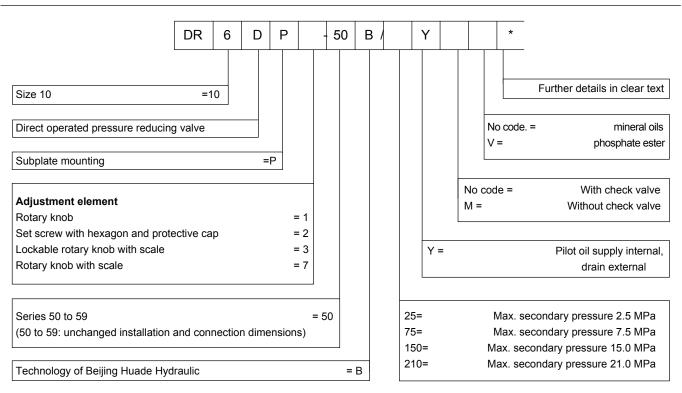






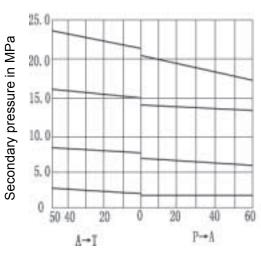
Version "Y" Pilot oil supply internal oil drain external with check valve

Ordering details



Technical data

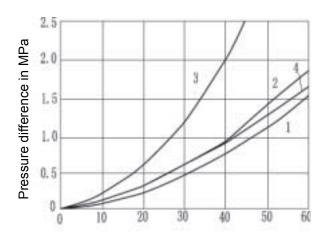
Weight	(Kg)	approx. 1.2
		NAS 1638 class 9.
Degree of contamination	(µm)	Maximum permissible degree of contamination of the fluid is to
Pressure fluid - temperature range	(°C)	-30 to +80
iscosity range	(mm²/s)	10~800
Pressure fluid		Mineral oil (for NBR seal)or phosphate ester(for FPM seal)
Max. flow	(L/min)	up to 60
Max. back pressure Ports T (Y)	(MPa)	up to 160
lax. secondary pressure Port A	(MPa)	up to 2.5; up to 7.5; up to 15.0; up to 21.0; up to 31.5
Max. operating pressure Port P	(MPa)	up to 315



 p_A - q_V characteristic curves

Flow in L/min

$D_{p}-C_{q}$ characteristic curves





Note:

The curve characteristics remain, with a low set pressure,

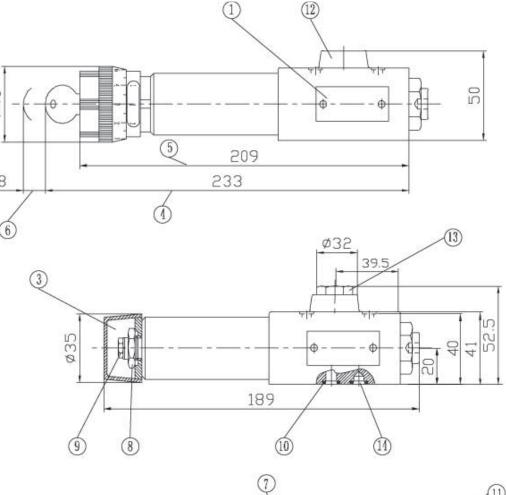
the same in relation to the pressure rating .

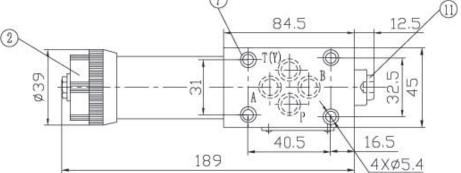
The characteristic curves for the pressure relief function are valid for the outlet pressure = zero over the entire flow range!

- 1 P to A (min. pressure differential)
- 2 A to T (Y) (min. pressure differential)
- $3 \bigtriangleup p$ only over the check valve
- $4 \bigtriangleup p$ over the check valve and fully open control cross section

Ø40

18





- 1. Nameplate
- 2. Adjustment element 1
- 3. Adjustment element 2
- 4. Adjustment element 3
- 5. Adjustment element 7
- 6. Space required to remove key
- 7. Valve fixing holes
- 8. Lock nut 24 A/F
- 9. Hexagon 10 A/F
- 10. O-ring 9.25 x 1.78 for ports A, B, P, T(Y)
- 11. Pressure gauge connection G 1/4; Deep12; internal hexagon 6 A/F
- 12. Without check valve
- 13. With check valve
- 14. Port B has no function

Subplates:see page 152 G341/01(G1/4") G341/02(M14X1.5) G342/01(G3/8") G342/02(M18X1.5) Valve fixing screws M5 x 50 - 10 9(GB/T70 1-2

M5 x 50 - 10.9(GB/T70.1-2000) Tightening torque $M_A = 8.9$ Nm



Required surface finish of mating piece

Huade América

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