

**DRG - PRESSURE CONTROL, REMOTELY OPERATED**

A pressure relief valve can be externally piped to port X for remote setting of pressure below the setting of the DR control valve spool. This relief valve is not included in the delivery contents of the DRG control.

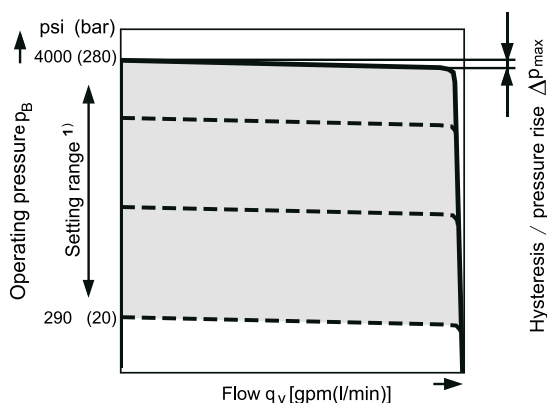
The differential pressure at the DRG control valve is set as standard to 290 psi (20 bar). This results in a pilot oil flow to the relief valve of approx. 0.4 gpm (1.5 l/min) at port X.

Setting is required (range from 145 to 320 psi (10-22 bar)) please state in clear text.

The max. length of piping should not exceed 6.6 ft (2m).

**Static characteristic**

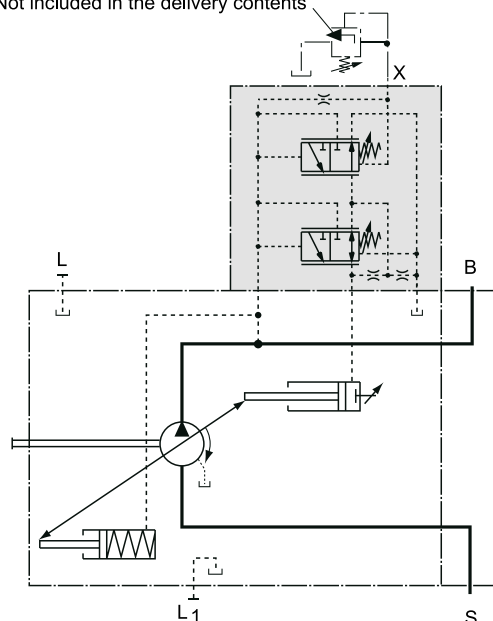
(at  $n_1 = 1800 \text{ rpm}$  ;  $t_{\text{fluid}} = 122^\circ\text{F}$  (50 °C))



In order to prevent damage to the pump and the system, this setting range is the permissible setting range and must not be exceeded. The range of possible settings on the valve are wider.

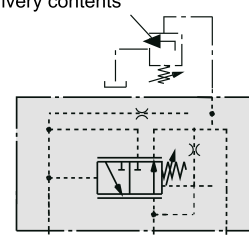
**Circuit diagram, sizes 18 to 100**

Not included in the delivery contents



**Circuit diagram, size 140**

Not included in the delivery contents



|        |                              | Port for                |
|--------|------------------------------|-------------------------|
| B      |                              | Service line            |
| S      |                              | Suction line            |
| L · L1 |                              | Case drain (L1 plugged) |
| X      | NG 18 to 100 without adapter | Pilot pressure          |
| X      | NG 140 with adapter          | Pilot pressure          |

**Control data**

Hysteresis and repeatability  $\Delta p_{\text{max}}$  approx. 45 psi (3 bar)

**Pressure rise, maximum**

| NG                   | 18     | 28     | 45     | 71      | 100      | 140      |
|----------------------|--------|--------|--------|---------|----------|----------|
| $\Delta p$ psi (bar) | 60 (4) | 60 (4) | 90 (6) | 115 (8) | 145 (10) | 175 (12) |

Contr. fluid consumption max. approx. 1.2 gpm (4.5 l/min) please see page 9