

VARIABLE DISPLACEMENT PUMP H(S)P-10V

SERIES 31



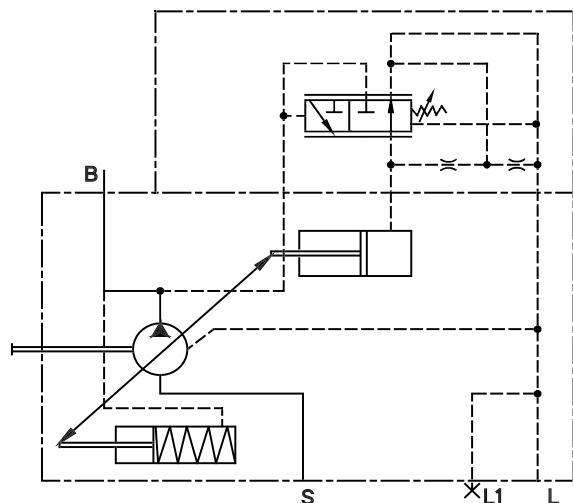
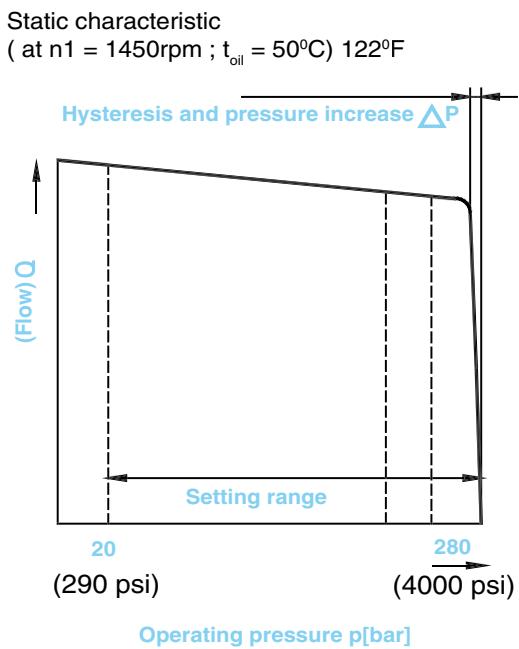
- Industrial & Mobile, Single & Thru Shaft Models, H(S)P-10V
- 18, 28, 45, 71, 100 & 140 Frame Sizes Available
- Same Day Shipment of Units or Parts Orders
- DR, DRG, DFR, DFRI, DFLR Controls
- SAE & Metric Units

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DR PRESSURE CONTROL

The pressure control serves to maintain a constant pressure in the hydraulic system within the control range of the pump. The pump therefore supplies only the amount of hydraulic fluid required by the actuators. Pressure may be smoothly set at the pilot valve.



Ports

B	Pressure port
S	Suction port
L, L1	Case drain ports (L1 sealed)

CONTROL DATA

Hysteresis and repetitive accuracy ΔP max. 3 bar (45 psi)

Size		18	28	45	71	100	140
ΔP	Bar (psi)	4 (58)	4 (58)	6 (87)	8 (116)	10 (145)	12 (174)

Pilot oil consumption.....max. approx. 3 L/min (0.8 gpm)

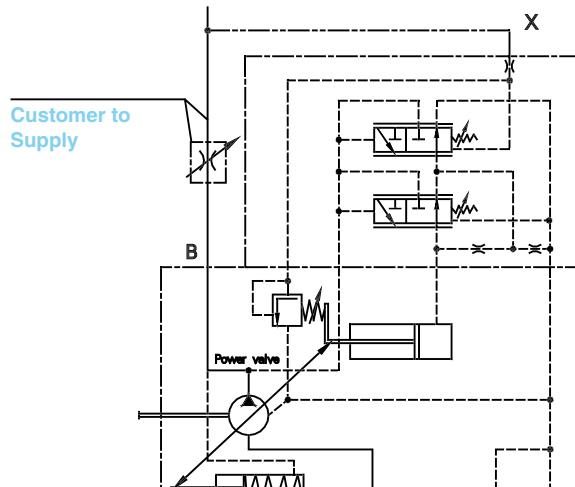
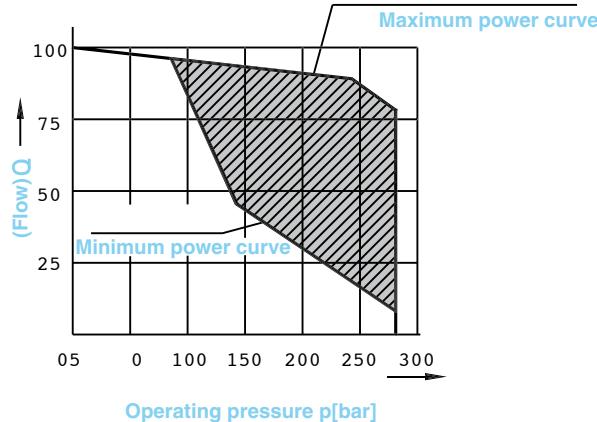
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DFLR PRESSURE / FLOW / POWER CONTROL

In order to achieve a constant drive torque with a varying operating pressure, the swivel angle and with it the output flow from the axial piston unit is varied so that the product of flow and pressure remain constant.

Flow control is possible below the limit of the power curve.



Ports

B	Pressure port
S	Suction port
L, L1	Case drain ports (L1 sealed)
X	Pilot pressure port

The power characteristic is factory - set, so please enter details in clear text, e.g. 20kW at 1450 rpm (5HP, 1800RPM).

CONTROL DATA

For pressure control technical data see DR Pressure control.

For flow control technical data see DFR control.

Start of control.....from 80 bar (1,160 psi)

Pilot oil consumption.....max. approx. 5.5 L/min (1.45 gpm)

MOUNTING DIMENSIONS, SIZE 28

SERIES 31

H(S)P-10V28

SERVICE PORTS AT SIDE AND REAR; NON THROUGH DRIVE

Without Considering Adjustment

