

FLOW CONTROL VALVE 50 & 100 LPM

Hy-Pro manufacture two pressure compensated flow controls for in line use. One controls flows up to 50 l/min and the other flows up to 100 l/min. Both can be pre-set to a required flow by a screw and locknut or continuously adjustable with a knob. By continuously measuring the pressure drop across a control orifice, an adjustable flow of oil is delivered to one motor or ram to be controlled which is unaffected by changes in system pressure.

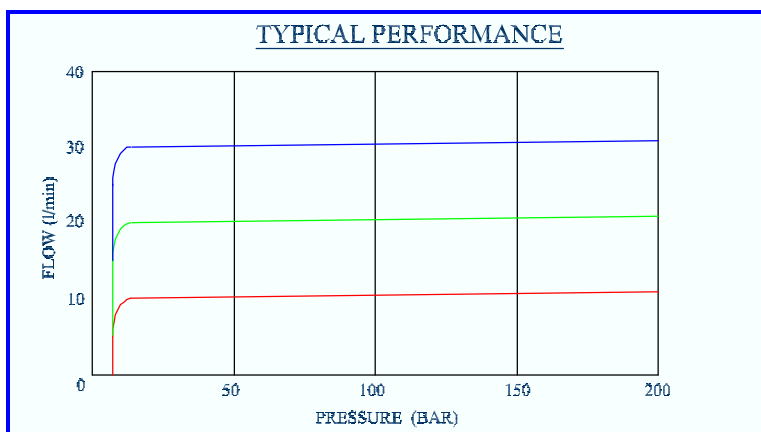


Description

The meter-in flow controls regulate flows down stream only. With pressure compensation it returns excess flow to tank. This bypassed oil represents minimum heat equivalent to the bypassed oil flow rate times the system pressure, which must be considered when designing oil reservoir size. Both can be pre-set to a desired flow by screw and locknut or continuously adjustable via

Application

Used in line applications requiring precise speed control in addition to the stop, start and reverse functions of a directional control valve. Applications include hydraulic motors for winches, conveyors, mobile hydraulic equipment and also for controlling the speed of rams.



Features

- Pressure compensated.
- More efficient than restrictive type flow controls.
- Adjustable or pre-set.
- Screw or knob adjusted.
- In line applications.

ORDER CODES

V1729	□	50 l/min Flow Control
	S	Screw Adjusted
	K	Knob Adjusted
	KV	Knob Adjusted Limited 35 l/min
V2600	□	100 l/min Flow Control
	S	Screw Adjusted
	K	Knob Adjusted

Technical Data

Performance

	V1729	V2600
Rated flow - l/min	50	100
Adjustable range l/min	0 – 50	0 – 100
P Inlet to service bar	6.9	6.9
Max pressure bar	210	210
Max back pressure bar	25	25
Temperature rating min	-20°C	-20°C
Temperature rating max	+60°C	+60°C

Recommended Oil

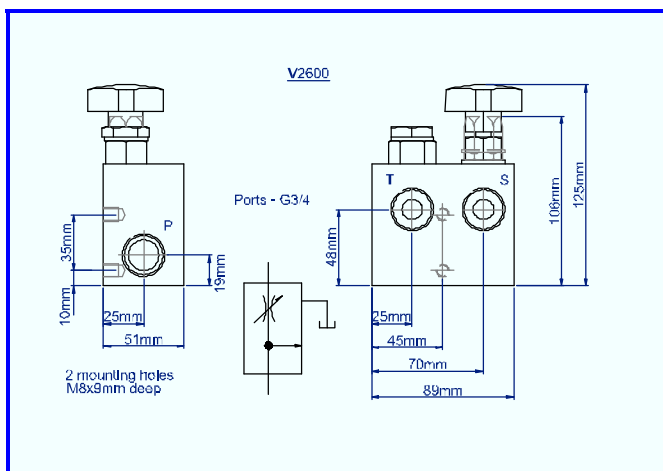
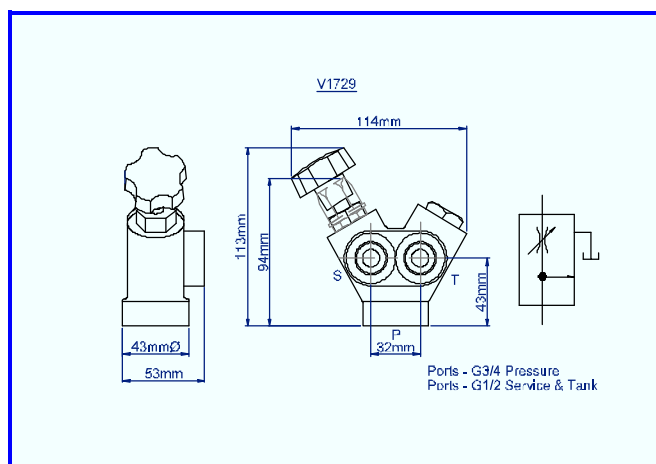
Mineral based hydraulic	ISO VG37
Filtration minimum	25 micron

Materials

Body – aluminium	BS1490
Needle – stainless steel	EN58 AM
External plating – zinc chromate	BS 1706Zn3
Seals	Nitrile PTFE

Weights

V1729	0.53 kg
V2600	0.99 kg



Hydraulic Projects Ltd, Exeter Road, Dawlish, Devon EX7 ONH UK
 Telephone: +44 (0) 1626 863634. Fax +44 (0) 1626 866283
 E-mail: enquiries@hypro.co.uk . Web site: www.hypro.co.uk