

FLOW DIVIDER VALVE

The Hy-Pro in-line flow divider valve allows independent control of two hydraulic circuits from one input. The flow is split into a controlled 'Priority' flow to feed one circuit and 'a secondary' flow to feed the other. The priority flow is unaffected by varying pump delivery or pressure changes in either circuit.



Description

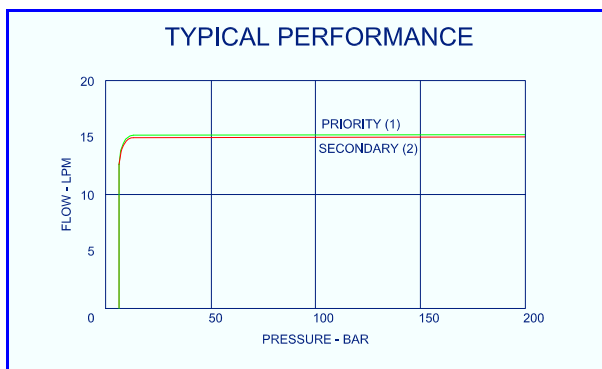
The flow divider works by continuously sensing the pressure drop across a control orifice thus maintaining the selected priority flow. It is supplied in an aluminium manifold with either continuous or screw adjustment, or as a separate cartridge. The cartridge is designed for a standard C10-4 cavity allowing it to be incorporated into bespoke manifolds.

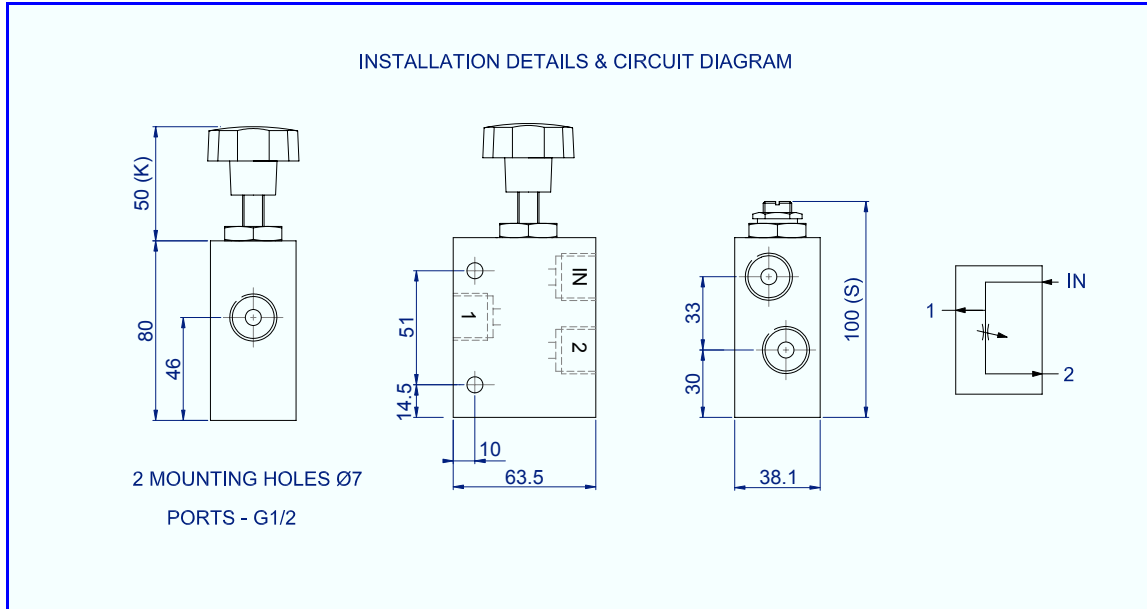
Application

Used in applications requiring a single pump to drive a cylinder and motor or two motors simultaneously with varying loads.

Features

- Variable priority flow.
- Pressure compensation.
- Compact cartridge design.
- Cartridge design to fit C10-4 cavity.





Technical Data

Performance

Rated flow	60 l/min
Priority flow maximum	36 l/min
Priority flow minimum	0 l/min
ΔP inlet to service	6.9 bar
Maximum pressure	250 bar
Temperature rating: Minimum	-20°C
Temperature rating: Maximum	+65°C

Recommended Oil

Mineral based hydraulic	ISO VG37
Filtration (minimum)	25 micron

Materials

Manifold – aluminium	BS 1490
Needle – stainless steel	EN58AM
External finish – nitro-carburised	NQ3
Seals	Nitrile/PTFE

Weight

ORDER CODE

V2650			60 Lpm LINE MOUNTED FLOW DIVIDER
		K	KNOB ADJUSTED
		S	SCREW ADJUSTED
	C		CARTRIDGE ONLY
	M		CARTRIDGE IN MANIFOLD

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