

V5-60 FLOW DIVIDER SECTION

The Hy-Pro flow divider section allows two hydraulic circuits to be built into one valve assembly. Oil is fed directly to the section. The adjustable priority flow is fed to the left hand sections and the remaining flow to the right hand sections, thus allowing two circuits to be run simultaneously and independently. A series link can be incorporated in the flow divider section, re-combining the flow and feeding the full flow to the right hand sections, whilst maintaining priority flow to the left hand sections. The pressure compensated flow divider can be supplied with either a graduated knob for continuous adjustment



Description

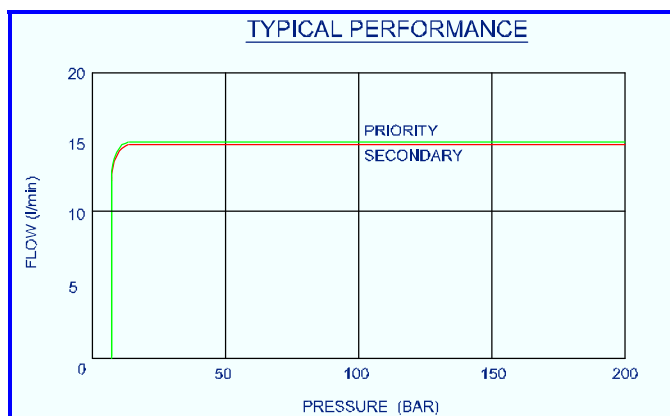
Adjustable flow divider cartridge housed in a manifold. The flow divider continuously senses the pressure drop across the priority control orifice, maintaining the selected priority flow. The adjustable priority flow is unaffected by variable pump delivery or pressure changes in either priority or secondary circuits.

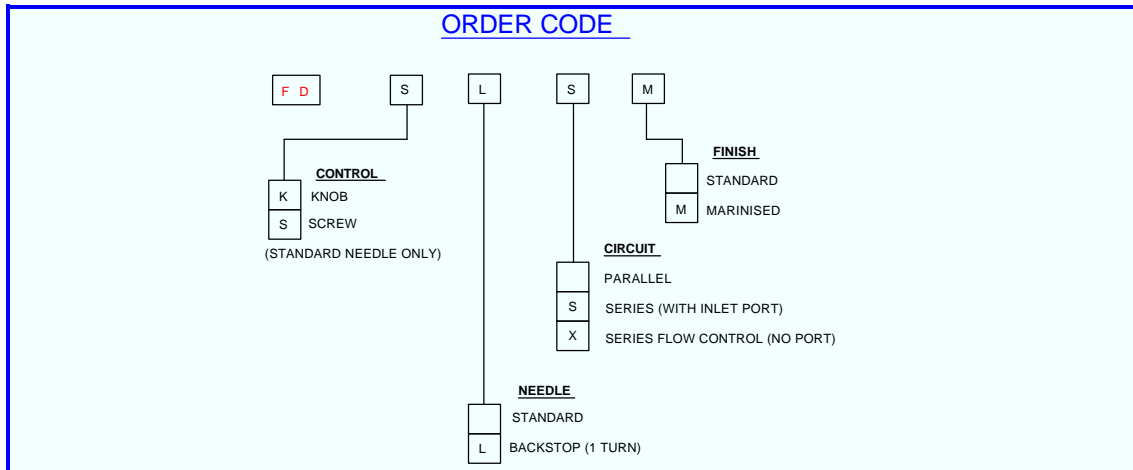
Application

Used in applications requiring a single pump to drive an actuator and a motor, or a pair of motors simultaneously, with variable loads. Typically conveyor motors used in road surface treatment and feeder wagons for the agricultural sector.

Features

- Variable priority flow.
- Pressure compensated.
- Compact cartridge design.
- Graduated knob.
- Series link option.
- Hardened and ground components for long life.





Technical Data

Performance

Rated flow	60 L/minute
Priority flow maximum	36 L/minute
Priority flow minimum	0 L/minute
P inlet to service	6.9 bar
Maximum pressure	250 bar
Temperature rating minimum	-20°C
Temperature rating maximum	+65°C

Recommended Oil

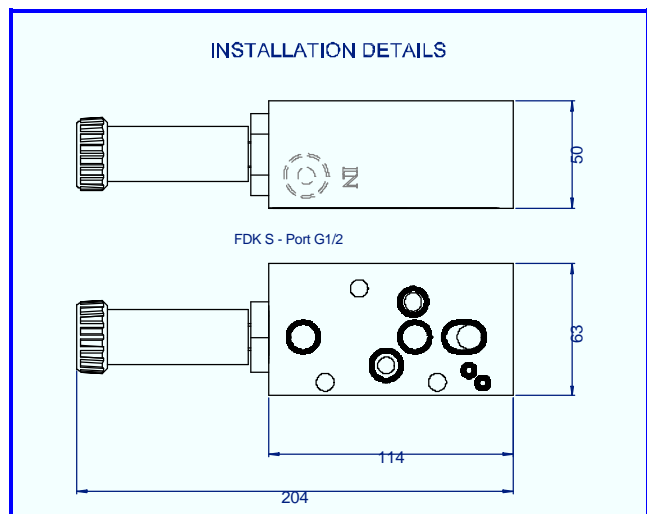
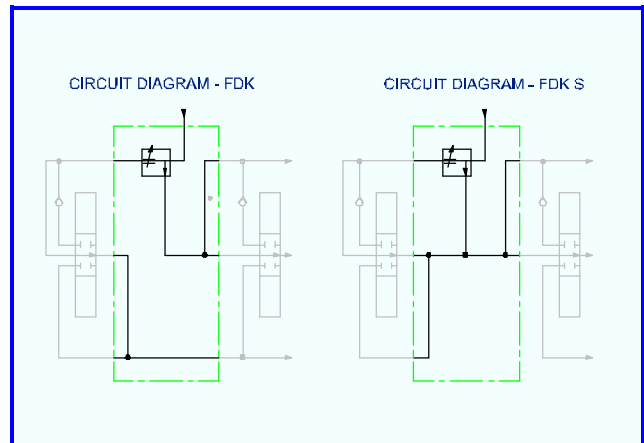
Mineral based hydraulic	ISO VG37
Filtration (minimum)	25 micron

Materials

Body – aluminium	BS 1490
Needle – stainless steel	EN58AM
External plating – zinc chromate	BS1706 Zn3
Seals	Nitrile/PTFE
Tie stud torque	13.5 Nm

Weights

FDK	0.9 Kg
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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