

V1-40 SECTIONAL SPOOL VALVE 40 LPM

The V1-40 sectional spool valve has been developed from the proven V1000 mobile spool valve. The new casting has been designed to have a flow rating of 40 l/min and to be used at service pressures of 250 bar. The lever mechanism, which totally encloses the spool and can be mounted to give four position options, is supplied as standard. The valve section and ancillary valves can be assembled into existing V1000 assemblies; however, the V1-40 levers are not interchangeable. The V1-40 has superseded the V1000 series valves.



Description

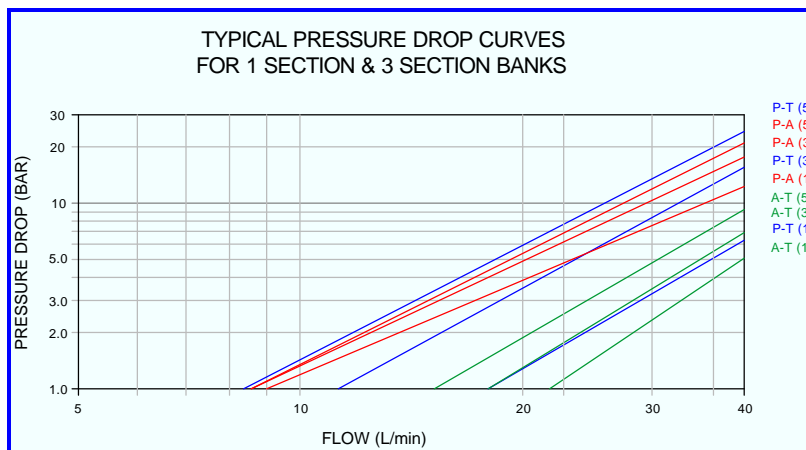
A low profile mobile sectional spool valve, lever or cable operated. Suitable for open or closed centre circuits. Spool options for 2, 3, & 4 position valves, all with good metering characteristics. Fine metering spools also available. A direct acting main relief valve can be incorporated into the inlet cover. Extensive range of inter-section and ancillary valves are available.

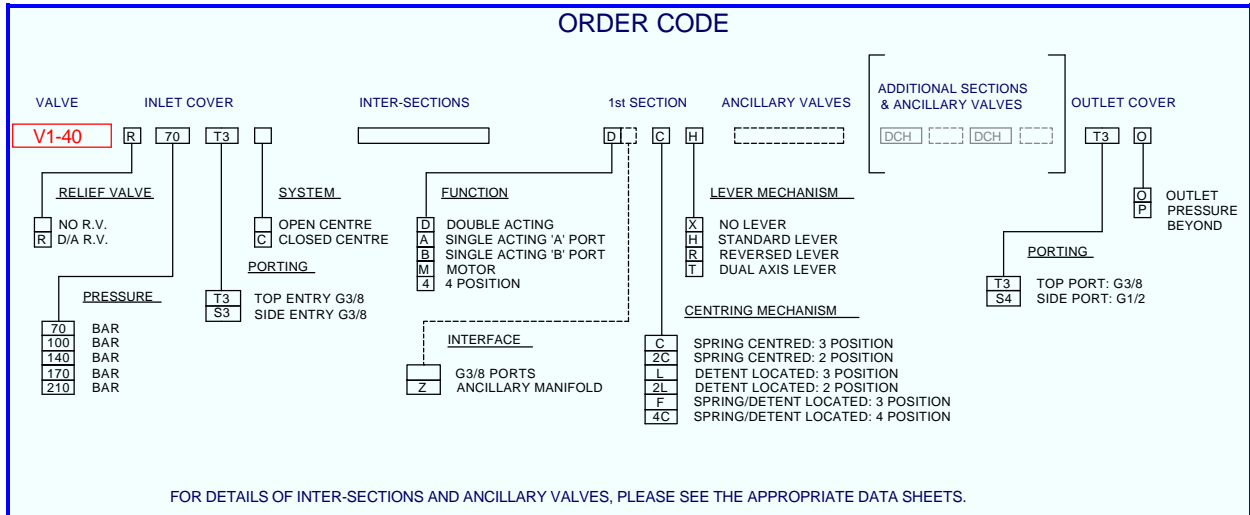
Application

Designed to be used in many applications requiring a compact, rugged sectional spool valve with exceptional metering characteristics. Accepted in the industrial, mobile, marine and agricultural markets for its flexibility and reliability. Using the extensive range of ancillary options, a valve can be assembled to control a variety of hydraulic circuits.

Features

- Excellent metering characteristics.
- Good load holding.
- Integral load check valve.
- Open and closed centre assemblies.
- Direct acting or piloted relief valves.
- Robust enclosed lever mechanism.
- Extensive range of ancillary valves.
- All relief valves adjustable.
- 100% production testing.
- Can be used in V1000 assemblies.





Technical Data

Performance

Rated flow	40 l/min
P inlet to outlet @ 40 l/min	3.4
Maximum pressure, service port	250 bar
Maximum pressure, inlet port	250 bar
Maximum back pressure, outlet port	25 bar
Temperature rating: minimum	-20°C
Temperature rating: maximum	+65°C
Spool leakage, at 210 bar at 20°C min	<6 cc/min
Spool leakage, 4 position	<8 cc/min

Recommended Oil

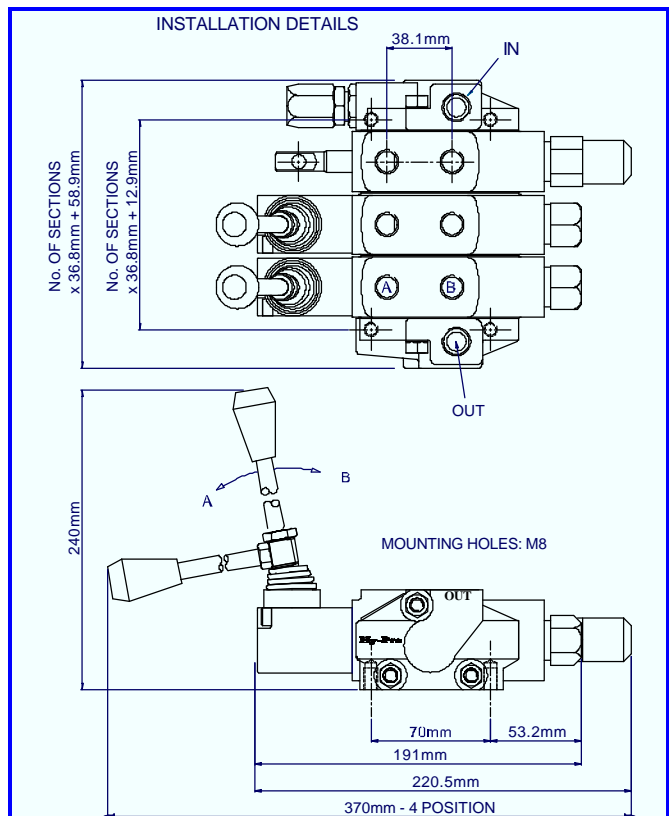
Mineral based Hydraulic	ISO VG37
Filtration (minimum)	25 micron

Material

Body - Cast Iron	BS1452-250
End covers - Aluminium	BS 1490
External plating - Zinc Chromate	BS 1706Zn3
Tie studs (5/16 UNC)	EN8
Tie stud torque	13.5 Nm
Reciprocating seals	PTFE/Viton
Static seals	PTFE/Nitrile

Weights

Section	1.75 kg
End covers (pair)	0.54 kg



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