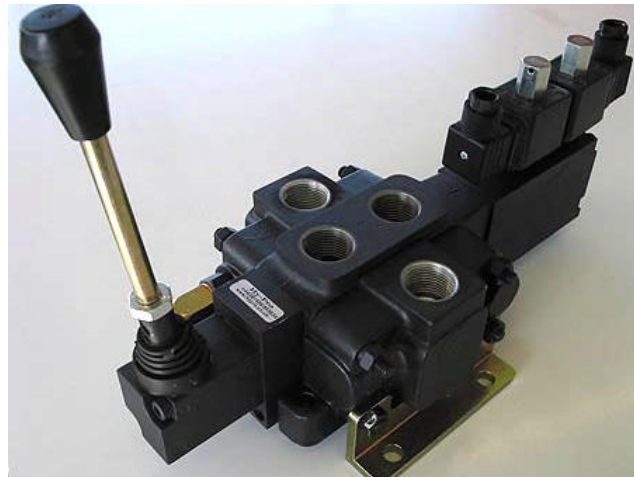


V3-100 SECTIONAL SPOOL VALVE SOLENOID OPERATED



The V3-100 G3/4 sectional spool valve is available with solenoid control. Using compact 24 watt DC coils to switch the powerful internal oil pilot which shifts the main spool. A damping orifice fitted in the pilot line eliminates the harshness usually associated with standard direct acting solenoid valves and gives a positive feel to the control system.

Both manual and solenoid sections can be built into a valve chest and the solenoid

Description

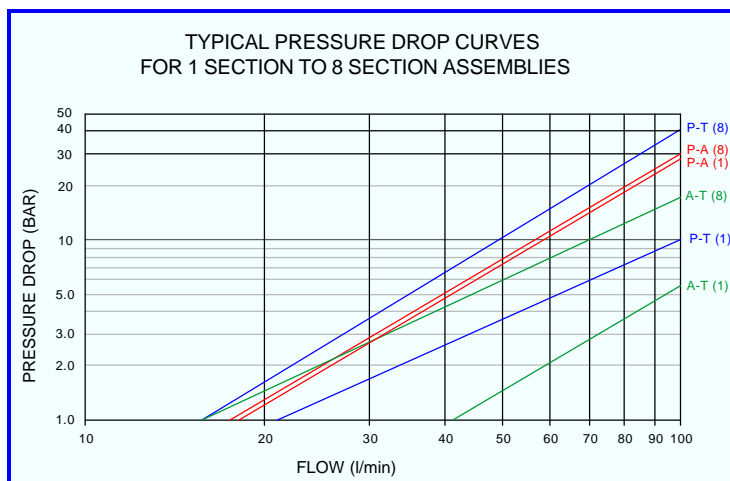
A low profile sectional spool valve, solenoid, oil pilot operated with the option of manual override lever. Suitable for open or closed centre circuits. The damped pilot system enables finger tip control and helps eliminate judders. Spool options for 2 and 3 position valves. Interchangeable with V3-100 manual valves.

Application

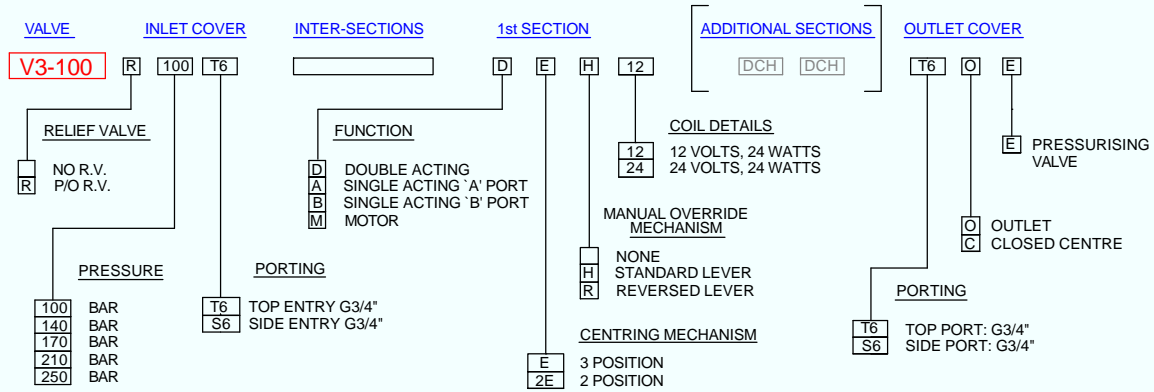
Designed to be used in applications requiring a rugged, compact control valve with the option of remote control. Typically in the automotive recovery, recycling and agricultural industries where a mix of manual and solenoid control is essential.

Features

- 12 and 24V DC.
- Soft spool action.
- Good load holding characteristics.
- 100 l/min at 210 bar.
- Open and closed centre assembly.
- Interchangeable with manual sections.
- Lever override option.
- Low coil power drain.
- Piloted main relief valve.
- Flow control option.



ORDER CODE



FOR DETAILS OF INTER-SECTIONS AND ANCILLARY VALVES, PLEASE SEE THE APPROPRIATE DATA SHEETS.

Technical Data

Performance

Rated Flow	100 l/min
Maximum pressure, service port	250 bar
Maximum pressure, inlet port	210 bar
Maximum back pressure, outlet port	25 bar
Minimum pilot pressure	12.5 bar
Temperature rating minimum	-20c
Temperature rating maximum	+65c
Spool leakage at 210 bar at 20°C	<6cc/min

Electrical

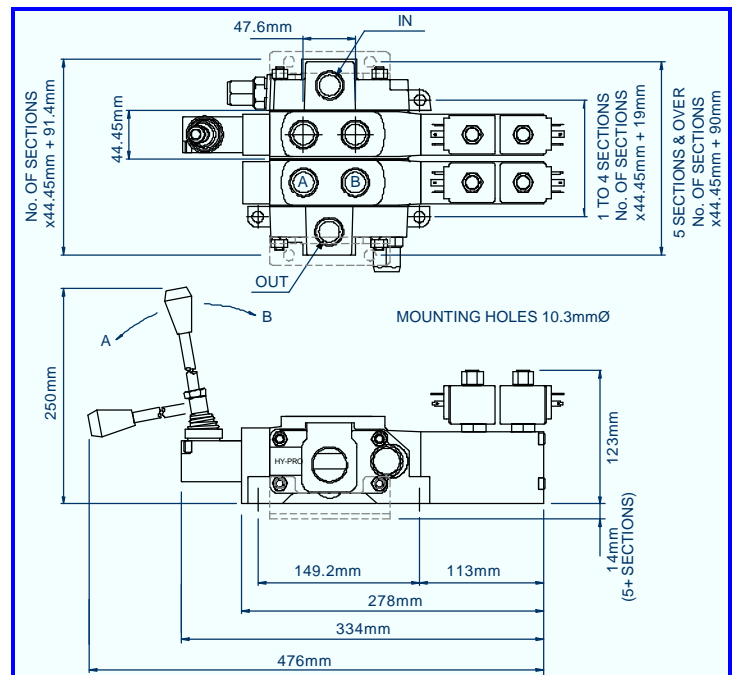
Coil voltage nominal	12 or 24V DC
Coil power	24W
Protection	IP65

Recommended Oil

Mineral based hydraulic	ISO VG37
Filtration (minimum)	25 micron

Materials

Body - cast iron	BS1452-250
End covers - Aluminium	BS1490
External plating - Zinc Chromate	BS1706 Zn3
Tie studs M8	EN8M
Tie studs torque	13.5 Nm
Seals	Nitrile



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