Hy-Pro
motion and control solutions

Data Sheet DDVEd

G1/2 SIX PORT SOLENOID DIVERTOR VALVE 60 LPM

The Hy-Pro solenoid operated six port divertor valve or double divertor valve allows two separate circuits to be controlled remotely from one hydraulic source. This can save on the cost of additional directional valves and hoses.

It is rated at 210 bar at 60 l/min in standard form, a separate drain can be fitted for applications up to 300 bar.

High precision machined components and matched spools and bodies give lower leakage rates and higher pressure/flow selection characteristics than similar valves on the market.

Description

The valve body is made from cast iron with a hardened and ground alloy steel spool.

It has a 60 watt coil which is available in 12 or 24 vdc. It can also have the Hy-Pro V2050 check valve mounted on it if part of the circuit is required to be locked.

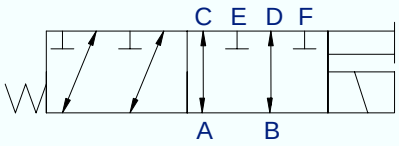
Application

Designed to be used in applications where the flow and return from a control valve is used to operate two separate circuits. This allows two double acting cylinders or reversible hydraulic motors to be controlled seperately from a single four way valve.

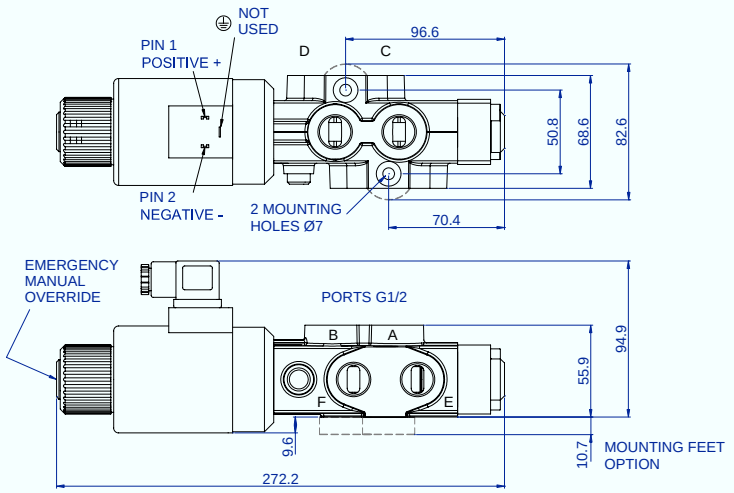
Features

- 12 or 24 vdc
- 60 watt coil
- DIN type connector
- Spool Leakage <10cc/210b
- Hy-Pro check valve option

CIRCUIT DIAGRAM



INSTALLATION DETAILS



ORDER CODE

DDVE ☐

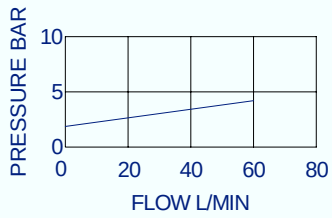
VOLTAGE

12 VDC 12

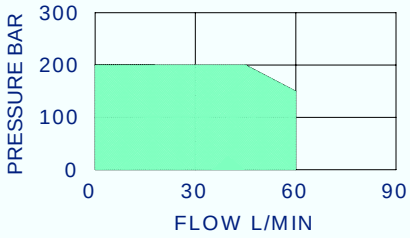
24 VDC 24

FOR PILOT CHECK AND MOUNTING FEET OPTION PLEASE CONTACT SALES DEPT.

PRESSURE DROP: A TO C



SELECTION 40°c Vn-10%



Technical Data

Performance

Rated flow	60 l/min
Maximum pressure	210 bar
Temperature rating:	-20°C/+65°C
Ports	G1/2 BS2779
Spool Leakage 25°C	<10cc/min at 210 bar

Recommended Oil

Mineral based hydraulic	ISO VG37
Filtration (minimum)	25 micron

Materials

Body	Cast Iron BS1492-250
External plating	Zinc Chromate BS 1706Zn3
Seals	Nitrile
Spool	BS470 case hardened BC Standard 019

Coil

Power	60 watt
Voltage	12 or 24 VDC ±10%
Connection	DIN43650
Protection	IP65
Cable Ø (not supplied)	6 - 8mm

Torque settings

G1/2 Ports	56.5 N/m
Mounting holes	13.5 N/m

Weight

DDVE	3.5 kg

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