

P80 Monoblock Spool Valve 80 Lpm

The P80 monoblock spool valve has been specifically designed for use in mobile hydraulic applications. It is compact but has a flow capacity of 80 lpm at 250 bar. With quality by design, high specification materials including chromed spools, 100% production testing and a choice of series or parallel circuitry, the P80 valve is an economic alternative to currently available monoblocks. Supplied with an adjustable relief valve and levers as standard. The new valve is available with a range of spool options and centring mechanisms to suit a variety of mobile and industrial applications.



Data Sheet P80d

Description

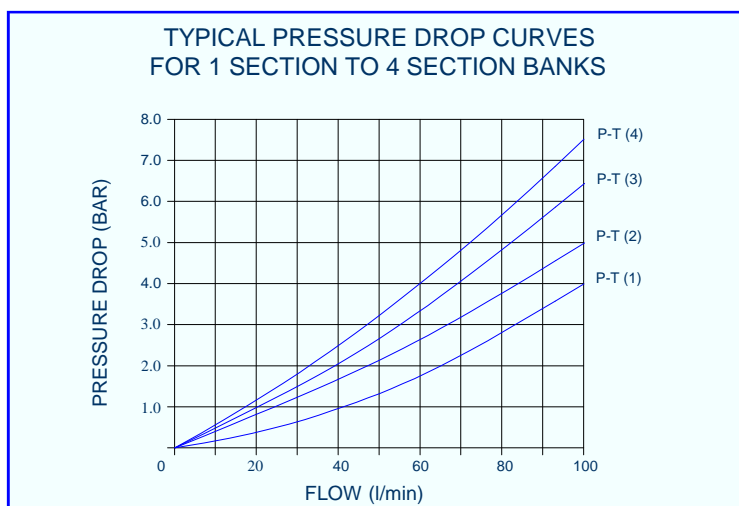
Compact monoblock construction with up to 4 spools and individual load check valves to comply with machine safety requirements. Adjustable relief valve and universal levers.

Application

Suited to mobile applications where space is limited and a cost effective valve is required with good flow characteristics. Used extensively in mobile, industrial and mechanical handling services

Features

- Individually tested.
- Compact.
- 1 to 4 spool options.
- Universal lever.
- Cable option.
- Low profile.
- Individual load check.
- Closed centre option.
- Pressure carry over option.
- Adjustable relief valve.
- Air pilot option.
- Hydraulic pilot option.
- Chrome plated spools.



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Technical Data

Performance

| | |
|----------------------------|--------------|
| Rated flow | 80 lpm |
| Maximum inlet pressure | 250 bar |
| Maximum back pressure | 10 bar |
| Temperature rating minimum | -25°C |
| Temperature rating maximum | +65°C |
| Spool leakage at 120 bar | <18cc/minute |

Recommended Oil

| | |
|-------------------------|---------------|
| Mineral based Hydraulic | ISO VG37 |
| Minimum cleanliness | 10 to NAS1638 |

Materials

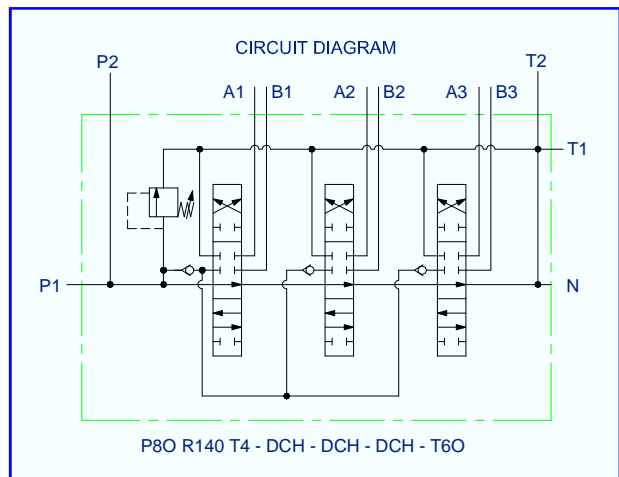
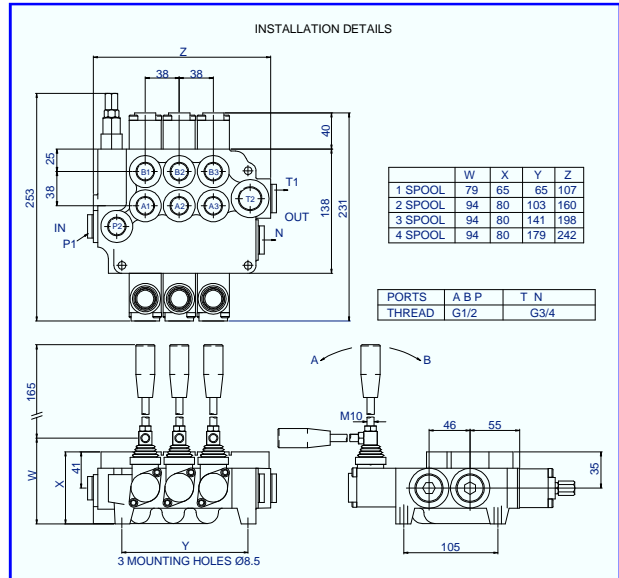
| | |
|------------------|------------------------|
| Body - cast iron | Grade 300 – Phosphated |
| Spool | Chrome Plated |
| External plating | Zinc chromate |
| Lever housing | Aluminium |
| Seals | Nitrile |

Weight

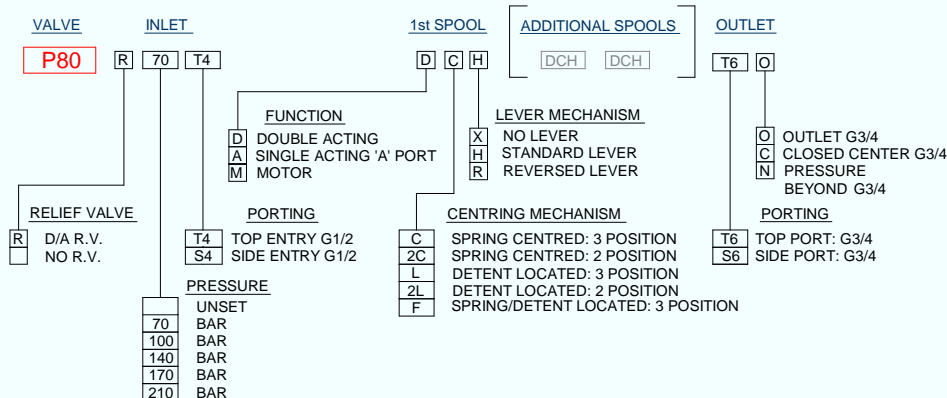
| | |
|---------|--------|
| 1 spool | 4.2 kg |
| 2 spool | 7.0kg |
| 3 spool | 9.8kg |
| 4 spool | 12.6kg |

Ports

| | |
|---------------------|-------|
| Service ports A & B | G 1/2 |
| Inlet port P | G 1/2 |
| Outlet port T | G 3/4 |
| Pressure beyond N | G 3/4 |



ORDER CODE



NOTE: TOP PORT OPTIONS NOT AVAILABLE ON ONE-SPOOL VALVE.

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