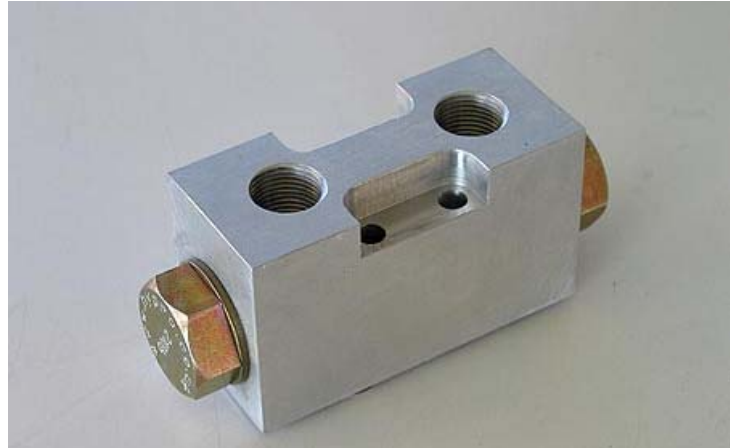


V1-40 SERVICE LINE RELIEF & ANTI-CAVITATION



The V1-40 service line relief valve is used to limit the pressure in individual service lines and provide anticavitation protection in circuits with overrun situations to maintain oil in the actuators.

The valve is mounted onto the service port face of a "Z" type valve section using four cap screws. The body has a cavity for each service line. This will accept one of four cartridges, relief, anticavitation, relief and anticavitation or a blanking cartridge.

Relief valves are pre-set by Hy-Pro, but are fully adjustable retrospectively using the socket screw located under the cap nut.

The Hy-Pro service line relief valves and anticavitation valves can be used on manual & cable activated sections.

Description

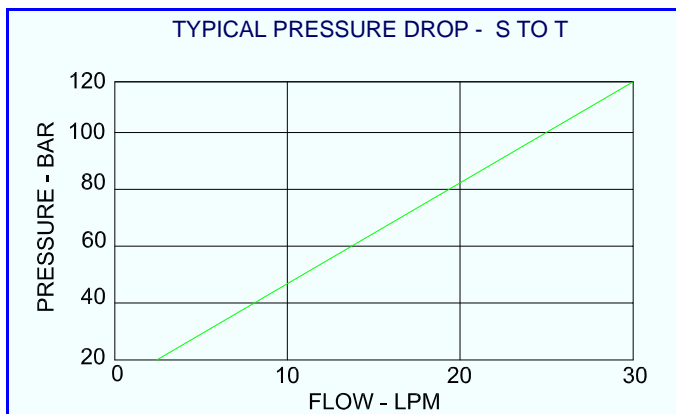
The body is machined to accept one of four cartridge options for each service line. The cartridges are relief, anticavitation, relief and anticavitation and blanking cartridge. The relief valves are adjustable.

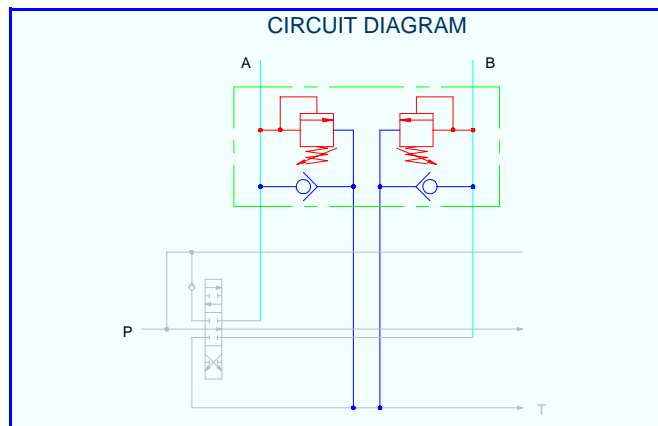
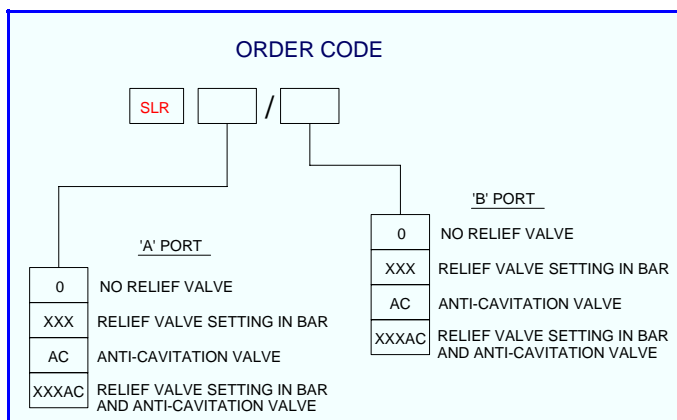
Application

Used to protect one or both service lines from being over pressurized. Effective when the main spool is selected or in neutral. The anticavitation cartridge allows oil to be drawn in to the service line should the demand over take the pump supply.

Features

- Fast responding direct acting relief valve.
- Large capacity anticavitation.
- Adjustable relief valves.
- Compact construction.
- Relief and anticavitation option.
- Hardened relief and anticavitation components.





Technical Data

Performance

Rated flow	40 l/min
Maximum pressure service	250 bar
Maximum back pressure outlet port	25 bar
Relief valve range	20 bar to 250 bar
Anticavitation	0.5 bar
Temperature rating minimum	-20°C
Temperature rating maximum	+65°C

Recommended Oil

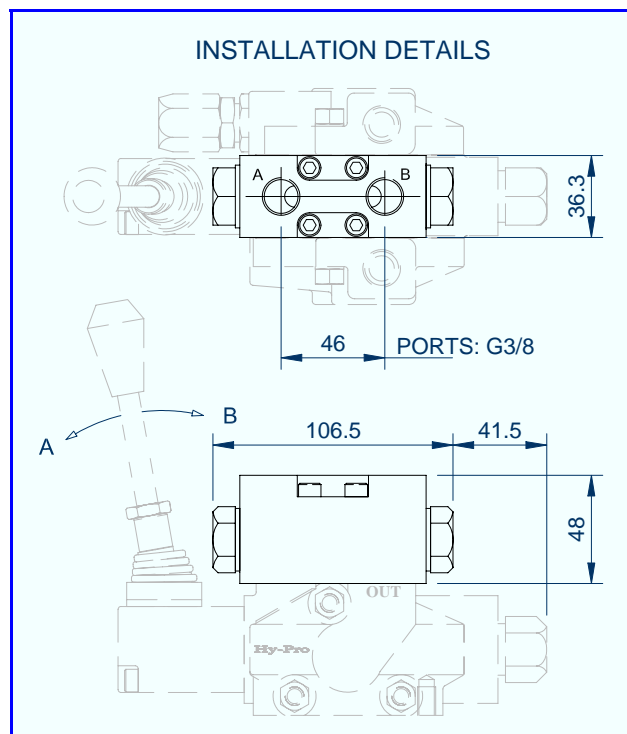
Mineral based hydraulic	ISO VG37
Filtration minimum	25 micron

Materials

Body – Aluminium	BS 1490
External plating - zinc chromate	BS 1706 Zn3 NQ3
Seals	Nitrile
Cap screw torque	8.0 Nm

Weight

SLR 140/140	0.48 kg
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