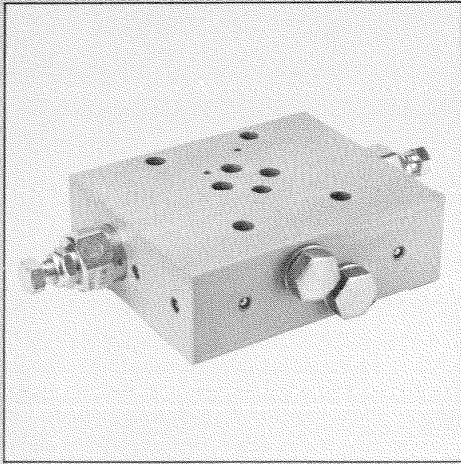


Unequal area relief module E506 Series

PDS E506 8.89



Features

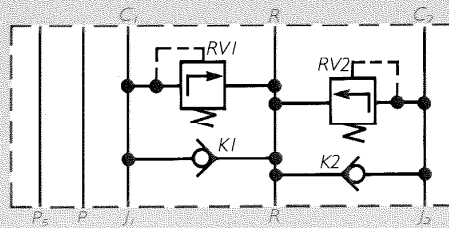
- Fits under 62 & 760 Series valves
- Protects unequal area actuators from over pressurisation
- Includes anti-cavitation check valves
- Field adjustable
- Suitable for 4 or 5 port valves
- Port pattern to BS6494 Part 2, Type 4

Typical applications

With high inertia loads, the relief module prevents excessive pressure being generated under high deceleration conditions.

Where the control pressure must be lower than the supply pressure, the relief module prevents excessive pressure being applied.

Description



This unit contains 2 pilot operated, balanced spool relief valve cartridges (RV1 and RV2). RV1 connects J₁ to R when the pressure in J₁ is equal to its pressure setting plus the return line pressure. RV2 acts in the opposite sense. Should the opening of RV1 cause the pressure in line J₂ to fall below the return line pressure, check-valve K2 allows flow from R to J₂, thereby preventing cavitation.

The relief valves may be adjusted by slackening the locknut and by rotating the adjuster.

To increase pressure: rotate adjuster clockwise

To decrease pressure: rotate adjuster counterclockwise

Note: The locknut includes a seal. When adjustments are being made, slight leakage may occur. Complete removal of the adjuster will result in a partially sealed passage from the return port to the environment. Therefore dimension "L max." on the installation drawing should not be exceeded when the slice is pressurised.

Specification

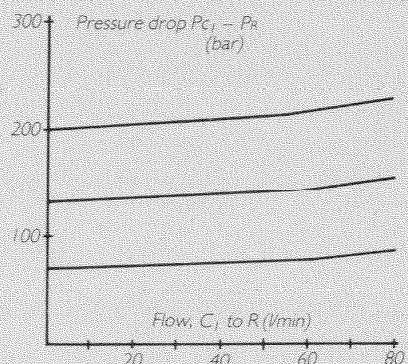
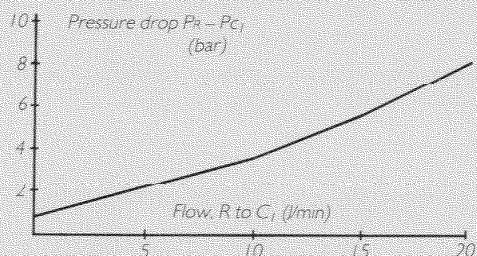
Maximum pressure, 315 bar

Relief pressure range, 10 to 315 bar (optional ranges are available)

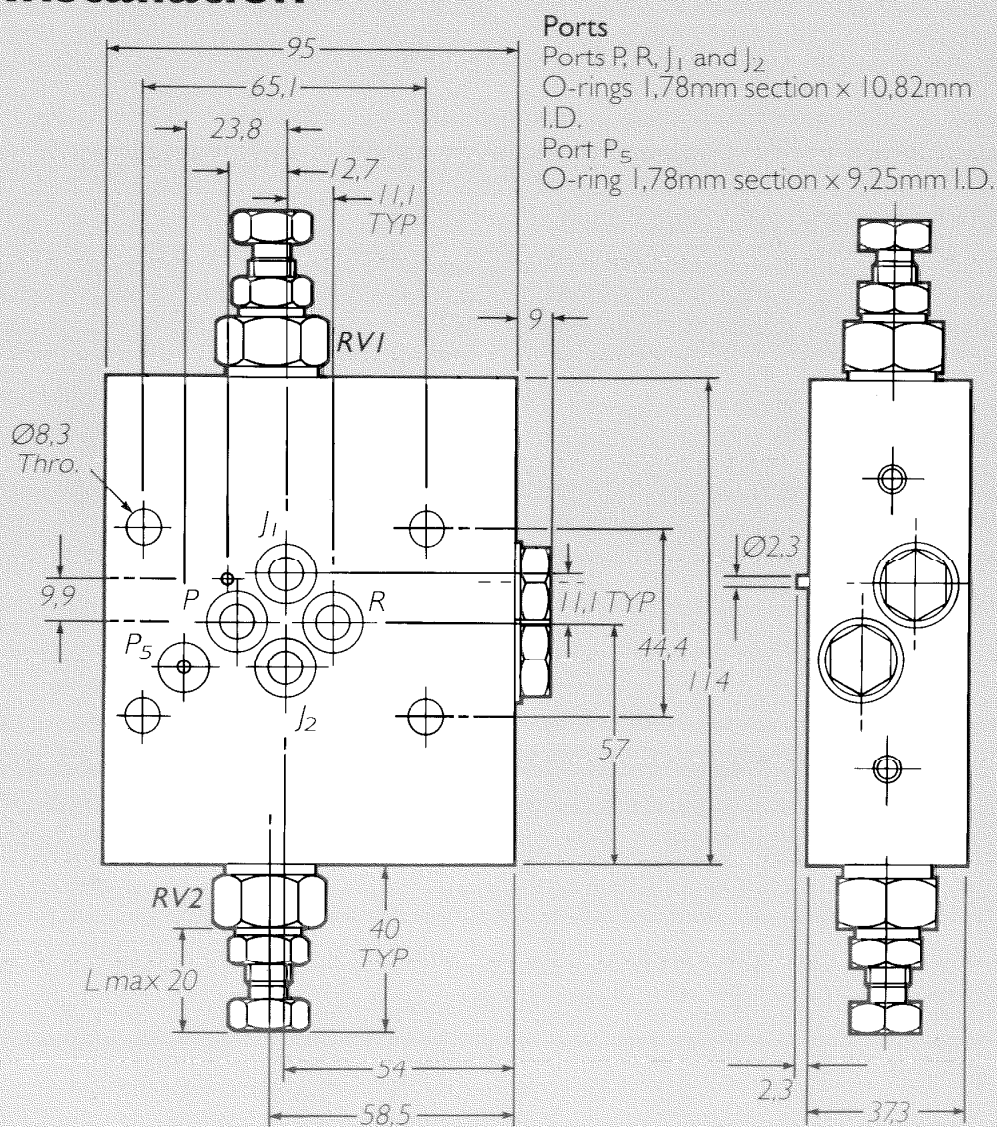
Seal material, Buna N for petroleum based hydraulic oils, water-oil emulsions or water-glycol mixtures. Other seal materials available on request.

Typical leakage at 90% pressure setting, < 10 ml/min.

Performance



Installation



Dimensions in mm.

We reserve the right to alter specification without prior notice.
For full installation details please consult Moog.

Moog Controls Limited, Ashchurch, Tewkesbury
Gloucestershire, England. GL20 8NA
Telephone (0684) 296600. Telex 43229. Telefax (0684) 296760