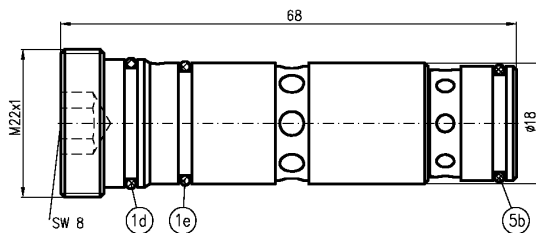
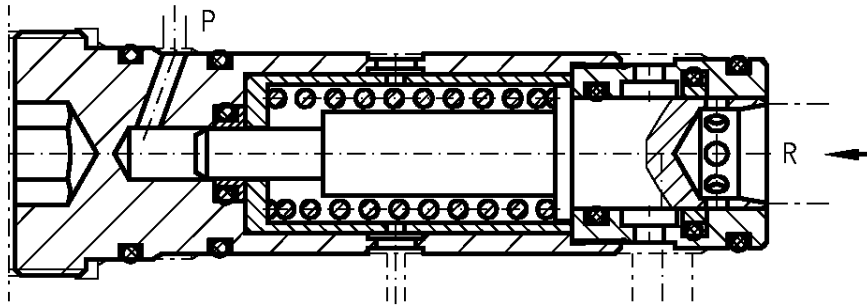


Return pressure limitation valve



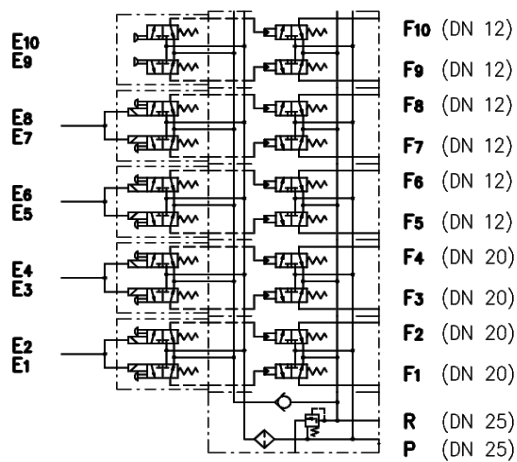
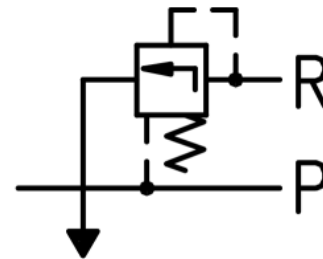
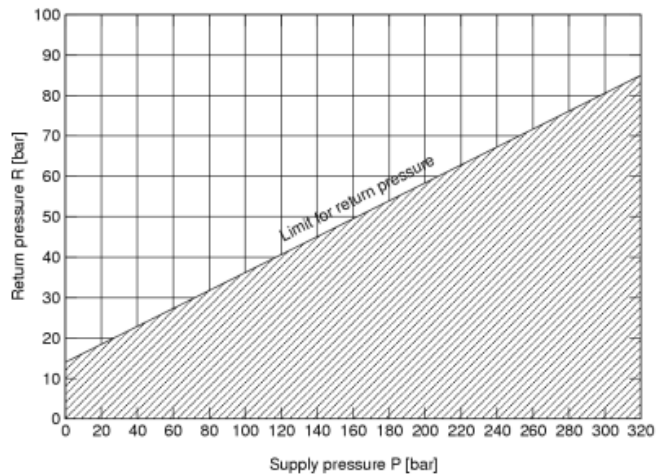
pm3/val/rdb/...

(5b) di:o-14x1,5.sh90 o-ring 90 shore (1e) di:o-16x1,5.sh90 o-ring 90 shore (1d) di:o-16x1,5.sh90 o-ring 90 shore

A highly important safety feature of all marco hydraulic blocks is the dynamic return pressure limitation valve. This valve limits return pressure dependent upon supply pressure. It is vital in systems with mixed equipment where check valves with unknown characteristics are in operation. Without this safety valve, overpressure may cause leg check valves to open and a shield could collapse.

As long as the supply pressure (P) is high, the valve allows a return pressure R high enough for operation. If the supply pressure drops, then the level of the return pressure is reduced to a safe value.

The valve is available as a cartridge for easy replacement. The in-line version of this valve pm3/val/rdb/b is produced with different connection sizes depending upon the application.



Application

The return pressure limitation valve is used typically in mining environments.

Order number	Description
pm3/val/rdb/a	Return pressure limitation valve for the marco block, 100 bar
pm3/val/rdb/c	Return pressure limitation valve for the marco block, 40 bar
pm3/val/rdb/b	Universal return pressure limitation valve