

Pressure relief valves.

They are indispensable in most of all hydraulic applications in order to limit the pressure, to prevent shocks and to protect from overload. They are classified in direct acting and pilot operated valves and are manufactured in many models. The following schedule reports the main technical and use features: for further informations please look up in the technical detailed schedules.

Main features	Type	Q max. (l/min.)	P max. (bar)	Technical schedule
LPS 20 series – direct acting ball-type. They have good reseal without pressure peack. Are used for remote control of valves or logical elements and for infrequent duty relief or thermal expansion relief.	LPS 20	2	420	02.020
	LPS 20/20	12	420	02.030
LPE series – direct acting guided conical poppet-type. They have't a pressure peack, the pressure-flow trend is good. Generally are used as main pressure relief valve for continuous service or in dual cross-over valves in frequent intermittences applications.	LPE 20	30	210	02.040
LPA series – direct acting guided conical poppet-type. They have a low pressure peack and a good flow-pressure trend. Generally are used as main pressure relief valve for continuous service.	LPA 20	20	350	02.060
	LPA 30	50	350	02.070
LPB series – direct acting differential poppet-type. They can stand high back pressure and have fast act with low pressure peack. Mainly are used as dual cross-over valves in frequent intermittences applications.	LPB 20	50	350	02.080
	LPB 30	90	350	02.090
	LPB 50	160	350	02.100
	LPB 70	360	350	02.110
LPI series – pilot operating spool-type. They distinguish themselves by their first-rate stability, their large passing orifice and their good reseal. Thanks to the very good flow-pressure trend, they are recommended for industrial applications which may result particularly heavy and for continuous service.	LPI 30	90	420	02.120
	LPI 50	160	420	02.130
	LPI 70	320	420	02.140
LPT series – direct acting spool-type for low pressure settings.	LPT 30	30	50	02.160