# BENCOR (Pty) Ltd.

Check valves



# Line rupture safety valves type LB

The line rupture safety valves, type LB, are check valves. They are available as screw-in valves or with housing for in-line installation.

The line rupture safety valves are best installed directly on the actuator (cylinder) which is to be safeguarded. This will prevent an uncontrollable, accelerated movement (drop) of a loaded cylinder when the hydraulic back-pressure is lost as a result of a rupture of the pressurized line or

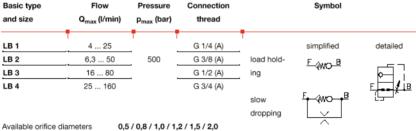
If the flow through the valve increases above the pre-set limit, the flow forces will exceed the opposing spring force and the valve will block the flow immediately. The valve element in these valves is a shim.



There are two different versions available. One valve will completely block the flow when actuated. A second will allow a minimum flow (via an orifice) to slowly drop the load.



## Basic types and general parameters



depending on type and size

# Additional versions

- Line rupture safety valve with housing featuring a thread reduction for special applications
- . Versions with metric and UNF thread

### LB 4 C - 40

Line rupture safety valve size 4 as screw-in valve (coding C), factory set for a response flow of 40 l/min

### LB 2 E - 25

Line rupture safety valve size 2 with housing (coding E), factory set for a response flow of 25 l/min