



## Single Ram Manual Wireline BOP

The **BDWS Manual Wireline Valve (or BOP)** is a compact wireline valve construction; designed specifically to be used as Single or Dual; for Slickline and Braided Line operations. This allows the performance of work under pressure, on surface equipment, when the line is in the well bore.

The Manual BOP is placed between the wellhead and lubricator assembly. The Manual BOP closure design consists of a manual operated stem connected to the ram assemblies. The rams can be closed (or opened) by manually rotating the stems. This permits compression of the rams around the line from opposite sides. A seal is then made which contains well pressure below the ram. Pressure across the ram is equalised through an integral equaliser prior to hydraulically retracting the ram and operating the valve.

The Manual BOP is available in nominal sizes from 2-1/2" to 5" with working pressure ratings from 5,000 psi to 10,000 psi, for standard and sour environments. Both single and multi-ram configurations have optional ram assembly types.

A Low Torque (Bearing Type Non-Rising Stem Closure) Manual BOP is available for lower operation torque requirement. It is not advisable to use Manual BOP for large ID size or high working pressure application due to the high operation torque requirement.

A Hydraulic BOP should be used for high torque application.

### FEATURES

- One piece construction
- Supplied with various size of END connection such as Quick Union / Flange / Studded Flange available on request.
- Optional ram configurations (Normal or Inverted).
- Optional Low Torque Manual BOP available (with Bearing Type Non-Rising Stem Closure)

