

# BENCOR (Pty) Ltd.

Check valves



## Shuttle valves type WV and WVC

Shuttle valves are stop valves with two inlets and one outlet. There is a ball in the inside of the valve which can travel from one inlet to the other. It will automatically block the one inlet with the lower pressure. This way the higher inlet pressure is automatically led to the outlet port through the outlet.

The version type WV which is for pipe connection is integrated in a T-shaped standard pipe fitting. The version type WVC is designed as a screw-in valve.

|                         |                                                      |
|-------------------------|------------------------------------------------------|
| <b>Nomenclature:</b>    | Shuttle valve                                        |
| <b>Design:</b>          | Individual valve for pipe mounting<br>Screw-in valve |
| <b>P<sub>max</sub>:</b> | 315 bar                                              |
| <b>Q<sub>max</sub>:</b> | 6 ... 150 l/min                                      |



### Basic types and general parameters

| Basic type and size | Flow Q <sub>max</sub> (l/min) | Oper. pressure p <sub>max</sub> (bar) | External pipe Ø | Symbol |
|---------------------|-------------------------------|---------------------------------------|-----------------|--------|
| WV 6 - S            | 6                             | 315                                   | 6               |        |
| WV 8 - S            | 15                            |                                       | 8               |        |
| WV 10 - S           | 25                            |                                       | 10              |        |
| WV 12 - S           | 40                            |                                       | 12              |        |
| WV 14 - S           | 60                            |                                       | 14              |        |
| WV 16 - S           | 100                           |                                       | 16              |        |
| WV 18 - L           | 150                           | 500                                   | 18              |        |
| WVC 1               | 6                             |                                       | (M 10 x 1,5)    |        |

### Additional versions

- Screw-in shuttle valve type WVC 11 with thread seal

### Order example

#### WV 10 - S

Shuttle valve suited for pipe diameter 10 mm, heavy duty version (coding S)