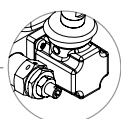
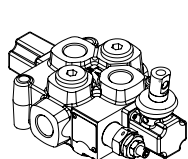
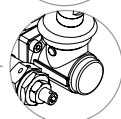


# Q45 Series

## Mono-Block Directional Control Valve

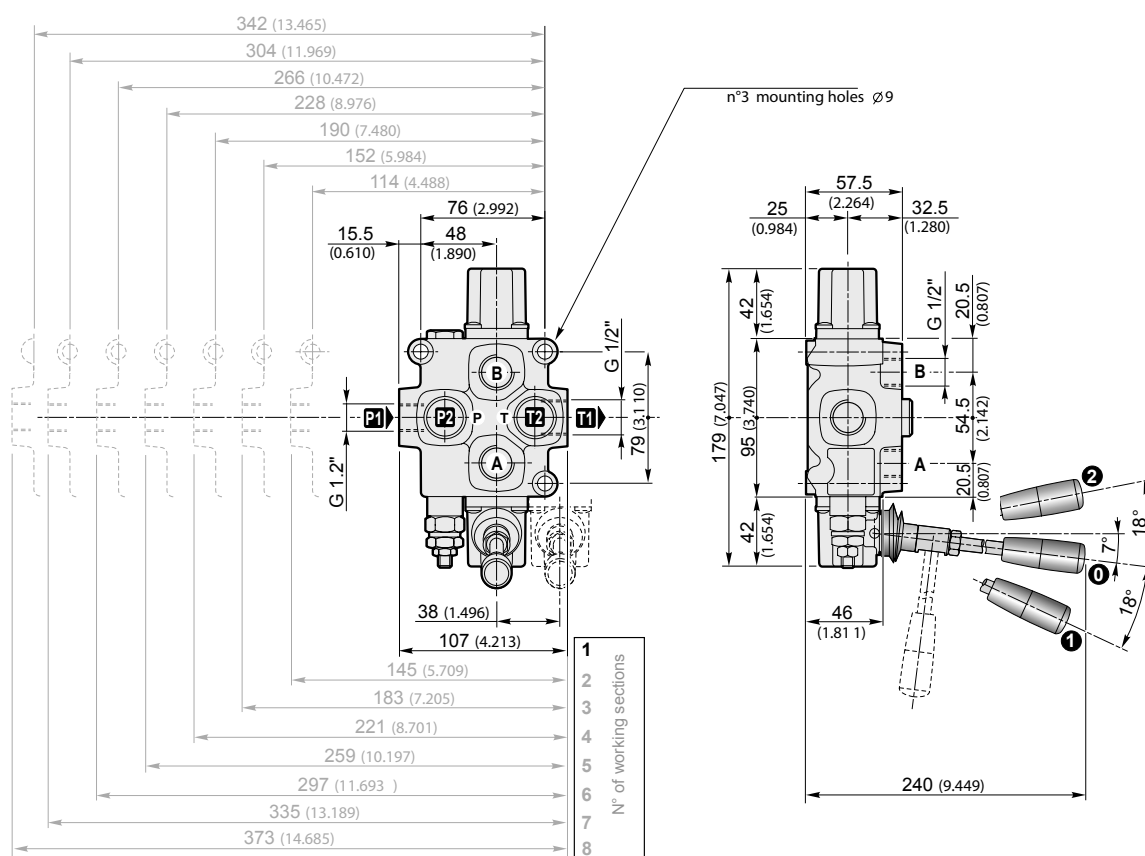


(Standard)  
Control and positioner plastic



**S**  
Control and positioner Aluminium

Q45 — F7S R250 — 2x 103 A1 M1 — F3D — **S** — 1E  
1 2 3 4 5 6 7 8 9



Q45 — F7S R250 — 2x 103 A1 M1 — F3D — 12V — 2E  
1 2 3 4 5 6 7 8 9

Available ports

| Ports | BSP (standard) | SAE                    |
|-------|----------------|------------------------|
| P1    | G 1/2"         | 3/4" - 16 UNF (SAE 8)  |
| P2    | G 1/2"         | 3/4" - 16 UNF (SAE 8)  |
| A-B   | G 1/2"         | 3/4" - 16 UNF (SAE 8)  |
| T1    | G 1/2"         | 7/8" - 14 UNF (SAE 10) |
| T2    | G 1/2"         | 3/4" - 16 UNF (SAE 8)  |

Carry-over plug (on T1 port)

|  | T1     | X                                               |
|--|--------|-------------------------------------------------|
|  | G 1/2" | 3/4" - 16 UNF (SAE 8)<br>7/8" - 14 UNF (SAE 10) |

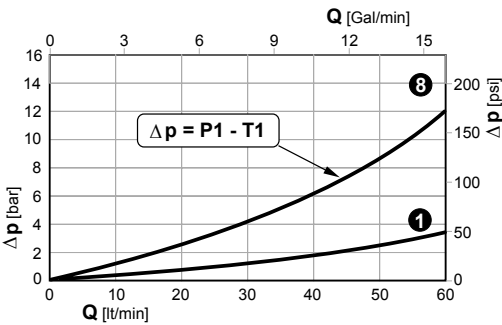
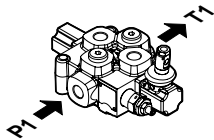
Dimensions in: mm (inch)

# Q45 Series

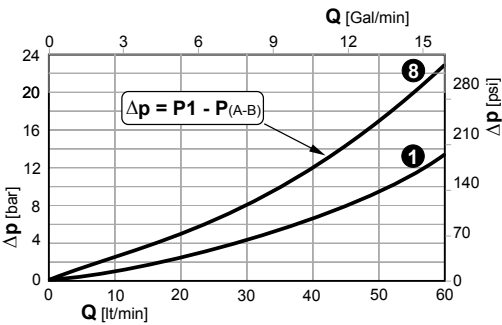
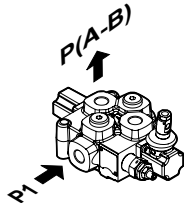
Mono-Block Directional Control Valve



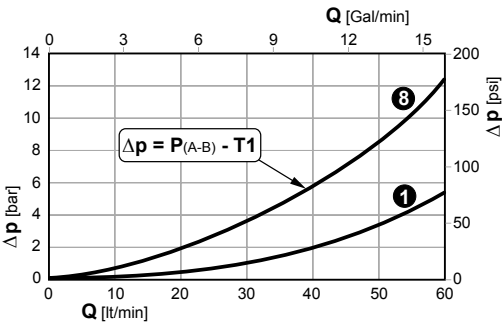
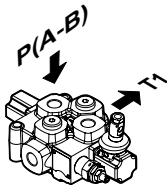
**Pressure drop with spool in neutral position**  
( $\Delta p$  depending on the number of the crossed sections)



**Pressure drop with spool in working position**  
( $\Delta p$  depending on the number of the crossed sections)

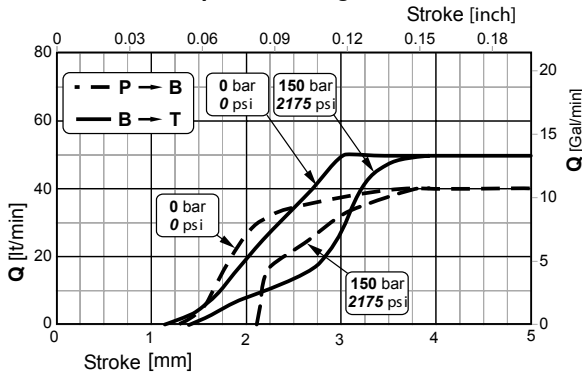


**Pressure drop with spool in working position**  
( $\Delta p$  depending on the number of the crossed sections)

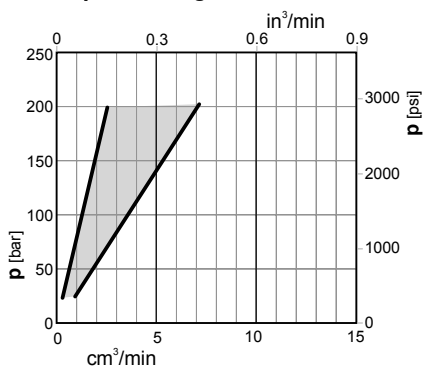


**1 8** Sections

**Spool metering**



**Spool leakage**



NOTE. Performance curves measured using spool 103 type .