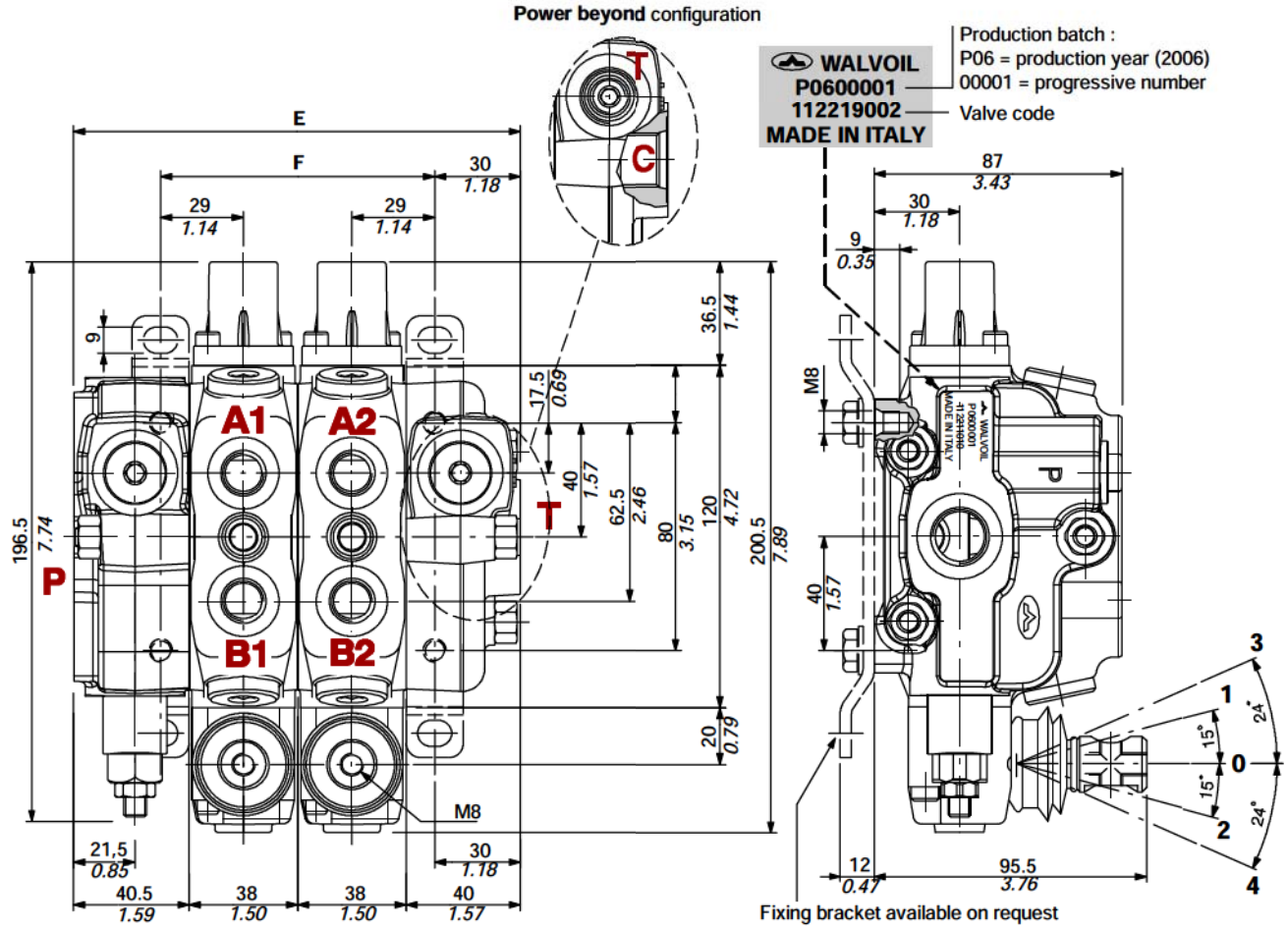
## Dimensional data (series or tandem circuit)

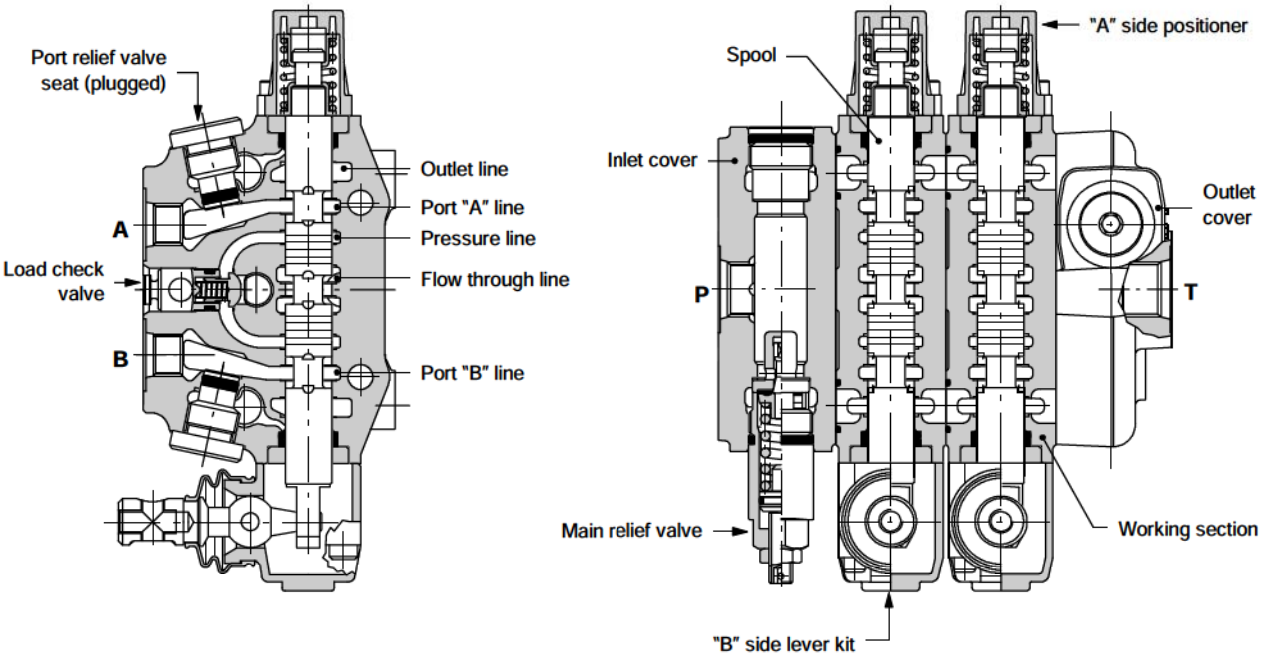


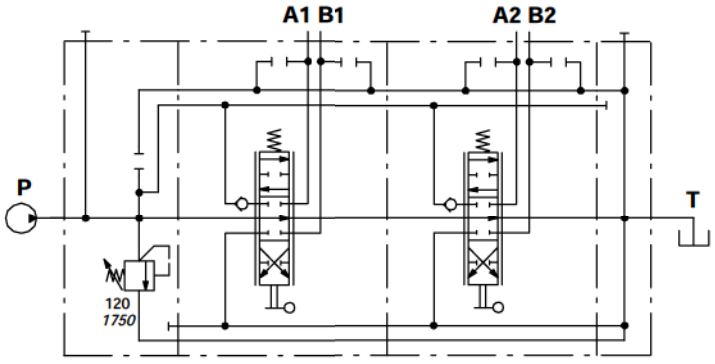

| TYPE | E | | F | | Weight | |
|---|---|---|---|---|---|---|
| | mm | *in* | mm | *in* | kg | *lb* |
| **SD6/1** | 118.5 | *4.66* | 58 | *2.28* | 5.3 | *11.7* |
| **SD6/2** | 156.5 | *6.16* | 96 | *3.78* | 7.6 | *16.6* |
| **SD6/3** | 194.5 | *7.66* | 134 | *5.28* | 9.9 | *21.8* |
| **SD6/4** | 232.5 | *9.15* | 172 | *6.77* | 12.2 | *26.9* |
| **SD6/5** | 270.5 | *10.65* | 210 | *8.27* | 14.8 | *32.6* |
| **SD6/6** | 308.5 | *12.15* | 248 | *9.76* | 17.1 | *37.7* |

| TYPE | E | | F | | Weight | |
|---|---|---|---|---|---|---|
| | mm | *in* | mm | *in* | kg | *lb* |
| **SD6/7** | 346.5 | *13.65* | 286 | *11.26* | 19.4 | *42.8* |
| **SD6/8** | 384.5 | *15.15* | 324 | *12.76* | 21.7 | *47.9* |
| **SD6/9** | 422.5 | *16.65* | 362 | *14.26* | 24 | *53* |
| **SD6/10** | 460.5 | *18.15* | 400 | *15.76* | 26.3 | *58.1* |
| **SD6/11** | 498.5 | *19.65* | 438 | *17.26* | 28.6 | *63.2* |
| **SD6/12** | 536.5 | *21.15* | 476 | *18.76* | 30.9 | *68.3* |

## Parallel circuit

Standard configuration with open center and side inlet and outlet.



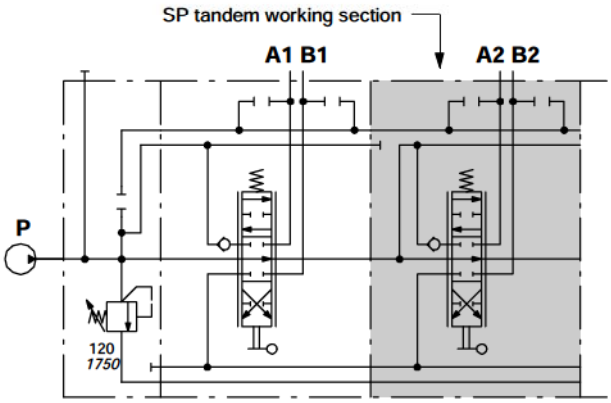




Description example: SD6/2/AC(YG3-120)/18L/18L/RC-SAE

## Hydraulic circuit

### Series-parallel (tandem) circuit

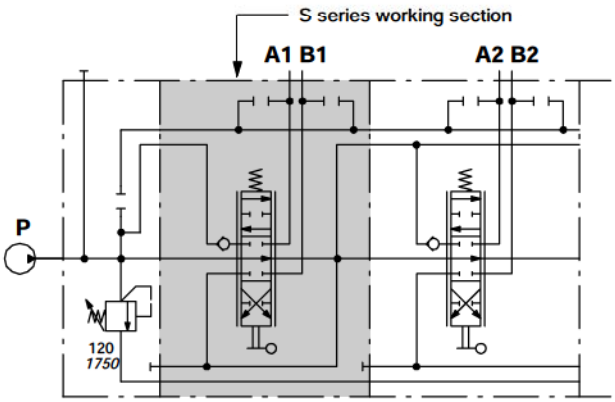
It needs a special working section kit (see page 22)
Tandem section is fed from thr free flow pressure line; it's excluded when an up strem section is operated.




Description example:
SD6/2/AC(YG3-120)/18L/**SP**-18L/....-SAE

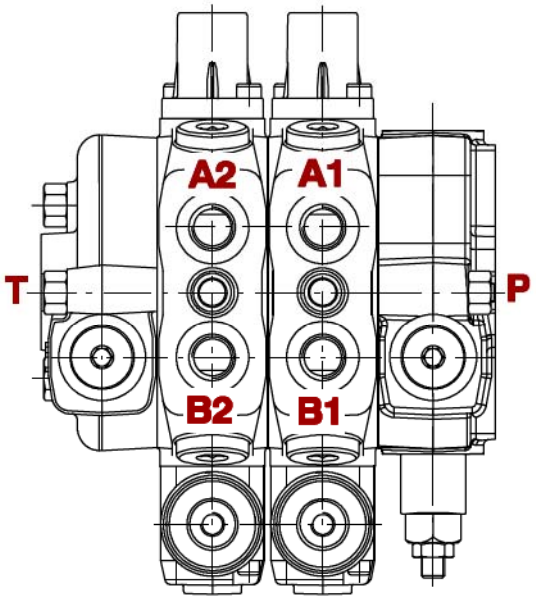
### Series circuit

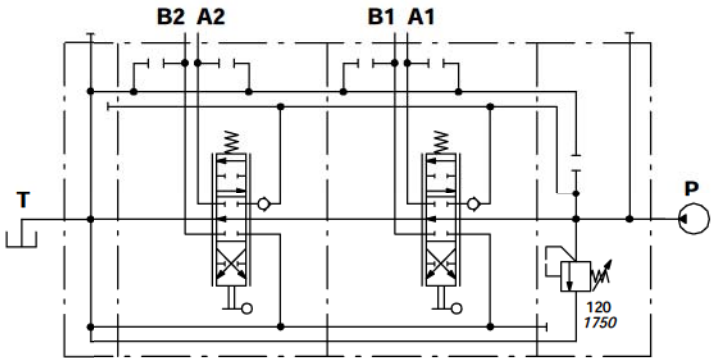
It needs a special working section kit (see page 22).
The return oil from service ports feed the remaining down stream sections.




Description example:
:SD6/2/AC(YG3-120)/**S**-18L/P-18L/....-SAE

### Right inlet directional valve



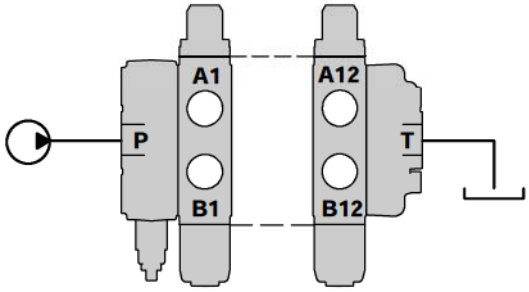



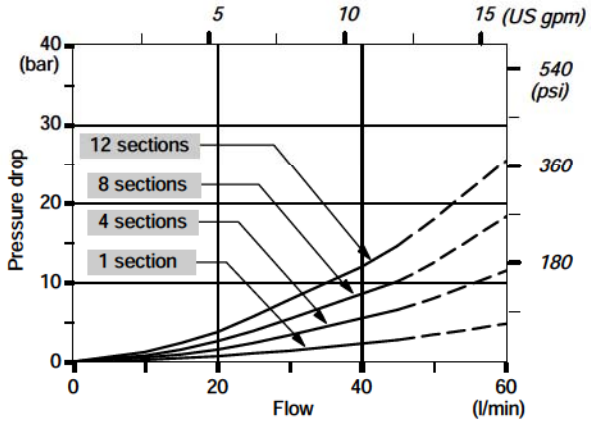

Description example:
SD6/2/**BC**(YG3-120)/18L/18L/RC-SAE

## Performance data (pressure drop vs. flow)

### Open center

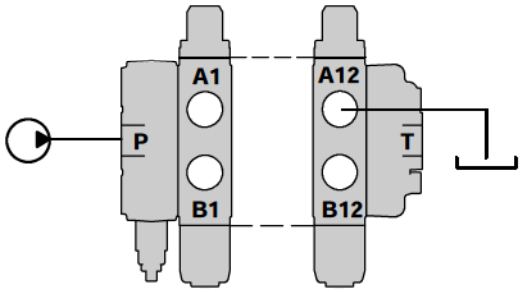
From side inlet to side outlet.

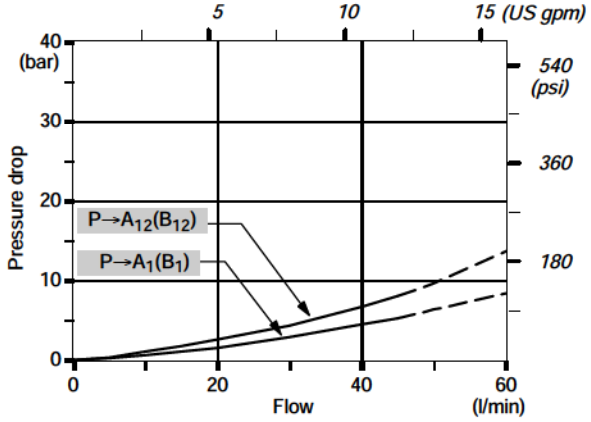



### Inlet to work port

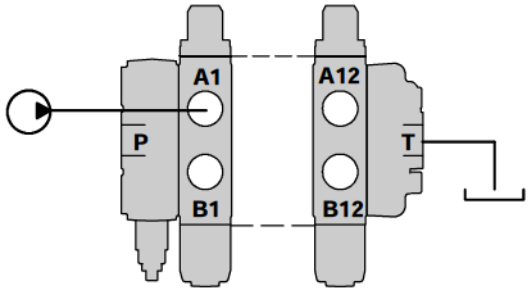
From side inlet to **A** port (spool in position **1**) or **B** port (spool in position **2**).

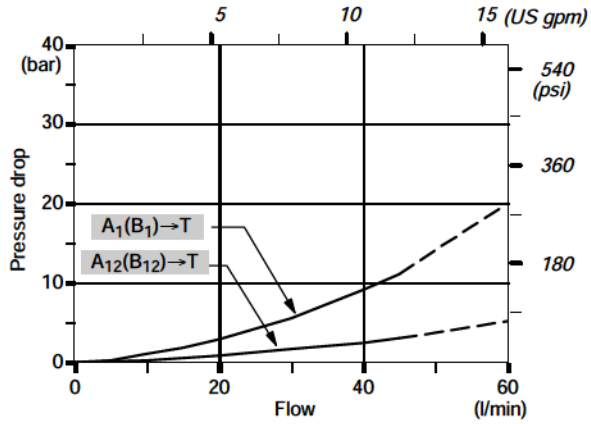



### Work port to outlet

From **A** port (spool in position **2**) or **B** port (spool in position **1**) to side outlet.




NOTE - *Measured with spool type 1.*

## Ordering codes

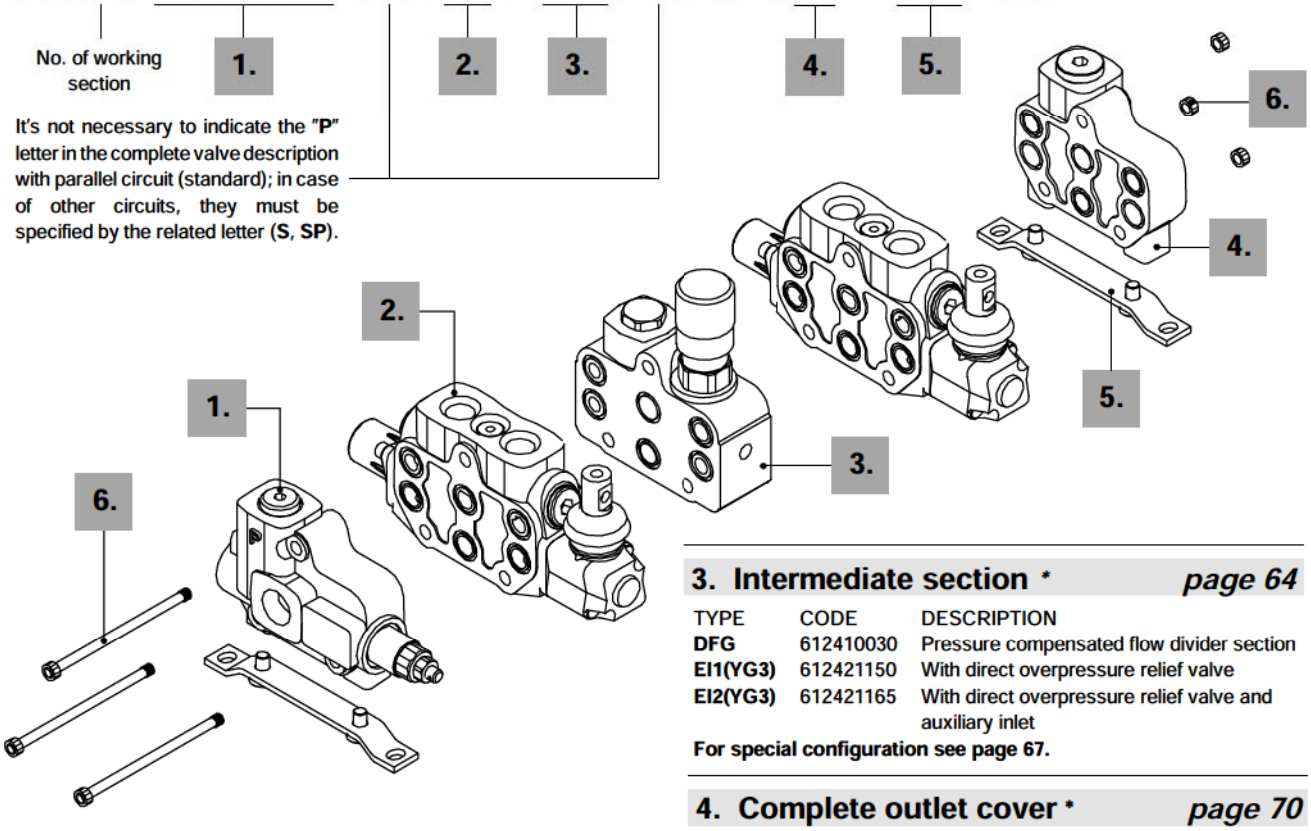
### Description example: standard configuration with side inlet and outlet

1st section — following section

**SD6 / 2 / AC(YG3-120) / P - 18L / DFG / P - 18L / RC - STAF - SAE**

No. of working section — 1. — 2. — 3. — 4. — 5.

It's not necessary to indicate the "**P**" letter in the complete valve description with parallel circuit (standard); in case of other circuits, they must be specified by the related letter (**S, SP**).




### 1. Complete inlet cover * *page 14*

| TYPE | CODE | DESCRIPTION |
|---|---|---|
| **AC(JG3-120)** | 612205002 | Side inlet with VMDJ direct pressure relief valve |
| **AC(YG3-120)** | 612205004 | Side inlet with VMDY direct pressure relief valve |
| **AD(YG3-120)** | 612205001 | Upper inlet with VMDY direct pressure relief valve |

**For special configuration see page NO TAG.**

### 2. Complete working section * *page 22*

| TYPE | CODE | DESCRIPTION |
|---|---|---|
| **P-18L** | 612105001 | Parallel circuit, prearranged for port valves, double acting spool with spring return, lever control |
| **S-18L** | 612115005 | As previous with series circuit |
| **SP-18L** | 612125001 | As previous with series-parallel (tandem) circuit |

### 3. Intermediate section * *page 64*

| TYPE | CODE | DESCRIPTION |
|---|---|---|
| **DFG** | 612410030 | Pressure compensated flow divider section |
| **EI1(YG3)** | 612421150 | With direct overpressure relief valve |
| **EI2(YG3)** | 612421165 | With direct overpressure relief valve and auxiliary inlet |

**For special configuration see page 67.**

### 4. Complete outlet cover * *page 70*

| TYPE | CODE | DESCRIPTION |
|---|---|---|
| **RC** | 612305004 | Side outlet |
| **RD** | 612305002 | Upper outlet |
| **RE** | 612305001 | Upper outlet with side carry-over |
| **RK** | 612305003 | Upper outlet with closed centre |

### 5. Fixing bracket *page 99*

| TYPE | CODE | DESCRIPTION |
|---|---|---|
| **STAF** | 5STA120160 | Brackets with fixing screws |

### 6. Assembling kit

| CODE | DIRECTIONAL VALVE |
|---|---|
| **5TIR108117** | Tie rod kit for 1 section valve |
| **5TIR108155** | Tie rod kit for 2 sections valve |
| **5TIR108193** | Tie rod kit for 3 sections valve |
| **5TIR108231** | Tie rod kit for 4 sections valvei |
| **5TIR108269** | Tie rod kit for 5 sections valve |
| **5TIR108307** | Tie rod kit for 6 sections valve |
| **5TIR108345** | Tie rod kit for 7 sections valve |
| **5TIR108383** | Tie rod kit for 8 sections valve |
| **5TIR108421** | Tie rod kit for 9 sections valve |
| **5TIR108459** | Tie rod kit for 10 sections valve |
| **5TIR108497** | Tie rod kit for 11 sections valve |
| **5TIR108535** | Tie rod kit for 12 sections valve |

NOTE (*) - *Items are referred to **UN-UNF** thread.*