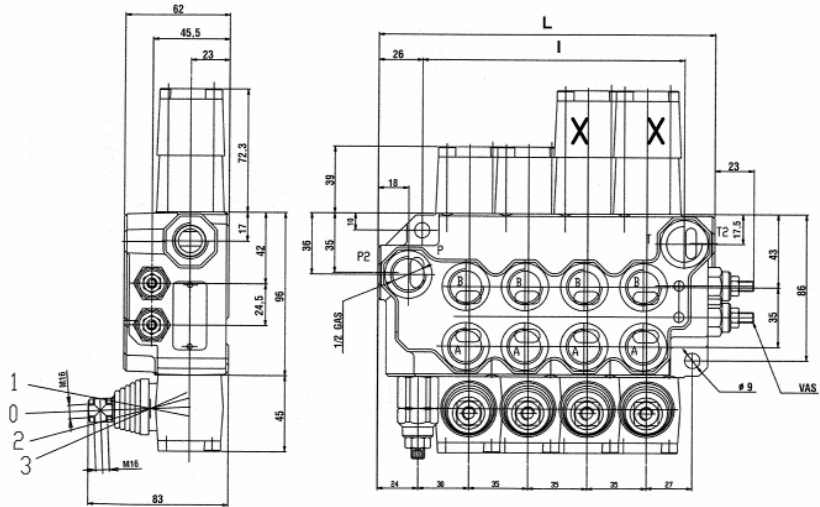


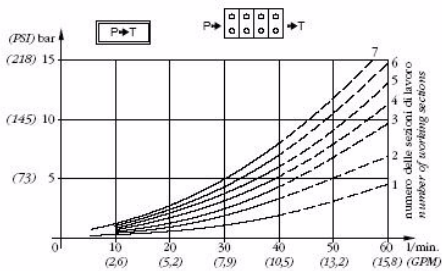


BM50

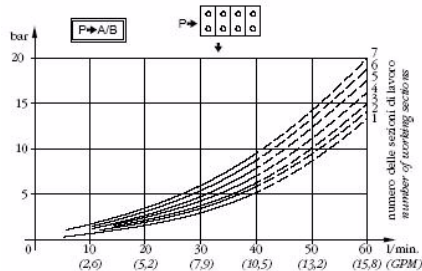
TECHNICAL CHARACTERISTICS



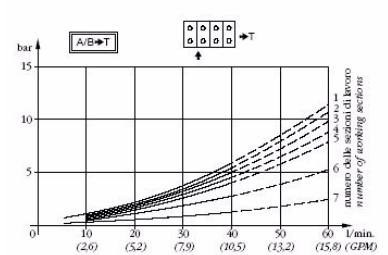
P→T - TEMPERATURA OLIO 50°C - VISCOSITÀ 3,5°E



P→A/B - TEMPERATURA OLIO 50°C - VISCOSITÀ 3,5°E



A/B→T - TEMPERATURA OLIO 50°C - VISCOSITÀ 3,5°E



| NUMBER OF SECTIONS | L | I | Kg |
|--------------------|-----|-----|-----|
| BM 50/ 1 | 94 | 55 | 2,8 |
| BM 50/ 2 | 129 | 90 | 4,2 |
| BM 50/ 3 | 164 | 125 | 5,5 |
| BM 50/ 4 | 199 | 160 | 6,7 |
| BM 50/ 5 | 234 | 195 | 7,9 |
| BM 50/ 6 | 269 | 230 | 9,3 |

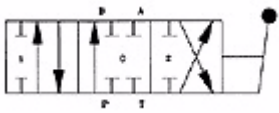
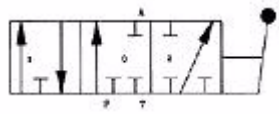
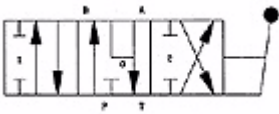
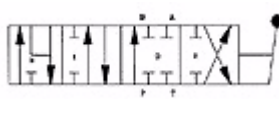
| TECHNICAL CHARACTERISTICS | | |
|---------------------------|----------|----------|
| NOMINAL FLOW | 50 l/min | 13,1 GPM |
| MAX FLOW | 60 l/min | 15,8 GPM |
| NOMINAL PRESSURE | 250 bar | 3600 PSI |
| MAX PRESSURE ON PORTS | 320 bar | 4700 PSI |
| MAX PRESSURE IN TANK-LINE | 80 bar | 1100 PSI |

BM 50

STANDARD THREADS

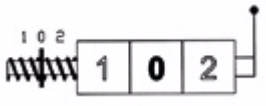
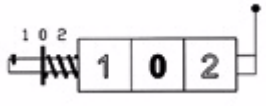
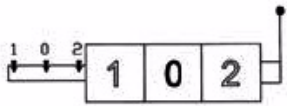
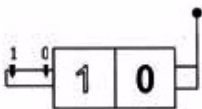


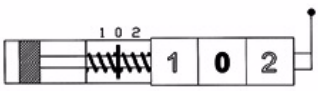
| | A - B | P | T | P2 | T2 |
|---------|-----------|-----------|-----------|-----------|-----------|
| G (BSP) | 1/2" | 1/2" | 1/2" | 1/2" | 1/2" |
| F (UNF) | 7/8" - 14 | 7/8" - 14 | 7/8" - 14 | 7/8" - 14 | 7/8" - 14 |

SPOOL TYPE






| | | | |
|---|-----------------|---|--------------------|
|  | <p>■ TYPE A</p> | <p>4-WAY / 3-POSITION SPOOL. Provides control of double-acting cylinders or birotational hydraulic motors where free-wheeling is not required. Work ports are blocked in neutral position, and the oil goes through the open center passage to the next spool of a multi-spool valve or the power beyond of single spool valve. This is the most popular spool option.</p> | <p>COD. 560096</p> |
|  | <p>■ TYPE B</p> | <p>4-WAY / 3-POSITION SPOOL. Provides control of single-acting cylinders or start and stop of unidirectional hydraulic motors where free-wheeling of motors is not required. The work ports is blocked in neutral position, and the oil goes through the open center passage to the next spool of a multi-spool valve or the power beyond of single spool valve. The B-part is plugged for this option.</p> | <p>COD. 560097</p> |
|  | <p>■ TYPE D</p> | <p>4-WAY / 3-POSITION SPOOL OPEN CENTER MOTOR SPOOL. Provides for control of double-acting cylinders or birotational hydraulic motors. Free flow spool allows a cylinder to drift or a motor to coast when the valve spool is in neutral position. Work ports are open to the tank port when the spool is in neutral. In neutral the oil goes through the open center passage to the next spool of a multi-spool valve or the power beyond of single spool valve.</p> | <p>COD. 560099</p> |
|  | <p>■ TYPE K</p> | <p>4-WAY / 4-POSITION OPEN CENTER FLOAT SPOOL. This spool is the same as the 4-way, 3-position spool, with the addition of a fourth "Float position". This spool is spring-centered to neutral from the "A" or "B" work port power position. The fourth position is the detented "Float" position which allows cylinder to float or a motor to free wheel.</p> | <p>COD. 560102</p> |

BM 50

SPOOL CONTROL

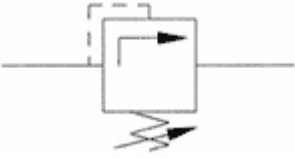
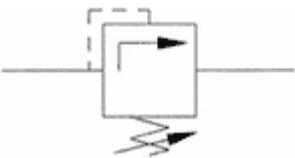

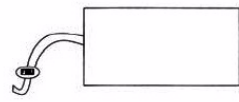
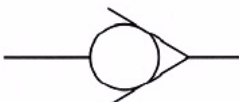
| | | | |
|---|--------------------|--|-------------|
|  | ■ SPOOL CONTROL 1 | 3 POSITION SPRING CENTER TO NEUTRAL. This option has position and a spring that returns the spool to neutral when the handle is released. | COD. 802001 |
|  | ■ SPOOL CONTROL 2 | 3 POSITION SPRING CENTERED IN POSITION 2. This option detent in position 1 and spring returns to neutral from position 2. | COD. 802002 |
|  | ■ SPOOL CONTROL 8 | 3 POSITION DETENT. This option provides three detented position. The spool will remain in any of the three position in which it is manually placed. | COD. 802008 |
|  | ■ SPOOL CONTROL 9 | 2 POSITION DETENT. This option provides two detented positions. The spool will remain in either of the two positions in which it is manually placed. | COD. 802009 |
|  | ■ SPOOL CONTROL 10 | 2 POSITION DETENT. This option provides two detented positions. The spool will remain in either of the two positions in which it is manually placed. | COD. 802010 |
|  | ■ SPOOL CONTROL 16 | 4 POSITION DETENT IN POSITION 3. This option provides for spring center to neutral from either work position. It also provides a 4 th position, float detent. The float detent is reached by pulling the spool out as far as it will go. In the float position both work ports are open to return. This allows a cylinder to drift or float. This option is available only whit spool option K. | COD. 802099 |
|  | ■ SPOOL CONTROL 1P | 3 POSITION SPRING CENTER TO NEUTRAL. Same function as spool control 1 with the added feature for double control with lever or pneumatic remote control. | COD. 802064 |

ACTUATORS

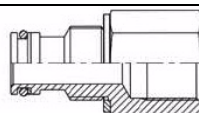
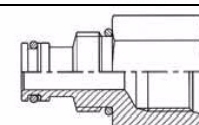
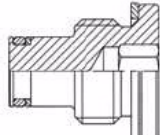
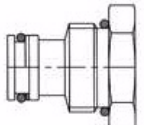
| | | | |
|---|---------------------------|---|-------------|
|  | ■ MANUAL MO | Manual lever control for manual operation. Features 2 angles 90° – 180°. | COD. 801001 |
|  | ■ MANUAL WITHOUT LEVER MW | Manual control without the lever handle. | COD. 801035 |
|  | ■ MANUAL WITHOUT LEVER DO | Manual control without the lever handle. | COD. 801044 |
|  | ■ MANUAL WITH CAM MC | Manual control with cam. | COD. 801026 |
|  | ■ JOYSTICK JS | The joystick will operate two spool with lever handle. Two spool can be operated independently or simultaneously. | COD. 801059 |

BM 50

RELIEF VALVE

| | | | |
|--|-------------------------|--|--------------------|
|  | ■ RELIEF VALVE X | <p>Pressare range 10 ÷ 90 bar Standard relief setting 70 bar</p> <p>Low pressure adjustable back spring relief valve. The pressure rating is based up on a pre-set flow of 8 l/min.</p> | COD. 803060 |
|  | ■ RELIEF VALVE U | <p>Pressare range 100 ÷ 250 bar Standard relief setting 140 bar</p> <p>High pressure adjustable back spring relief valve. The pressure rating is based up on a pre-set flow of 8 l/min.</p> | COD. 803061 |
|  | ■ RELIEF VALVE PLUG RVP | This option provides for no built in relief valve. This option can be used with closed center system where a relief is not required. | COD. 832010 |
|  | ■ PLUMBING KIT PB | This feature prevents a user from altering the factory pre-set relief valve. Relief valve lock. | COD. 560422 |
|  | ■ KIT VNR | The load check feature is standard on all BLB monoblock valves. Each valve has only one load check. The load check will prevent the fall of a cylinder as the spool is shifted. It also prevent the backflow of oil from the work port to the inlet. | COD. 560189 |

OUTLET PLUGS

| | | | |
|---|--------------------------|------------------------|--------------------|
|  | ■ CARRY OVER CO | Plug CO 1/2" GAS | COD. 832004 |
|  | ■ CARRY OVER CO | Plug CO 7/8" – 14 UNF | COD. 832006 |
|  | ■ CLOSED CENTER PLUG CCP | Plug CCP 1/2" GAS | COD. 832007 |
|  | ■ CLOSED CENTER PLUG CCP | Plug CCP 7/8" – 14 UNF | COD. 832008 |

BM 50