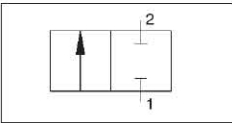
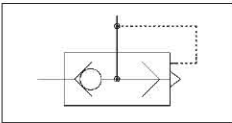
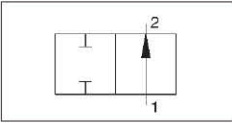
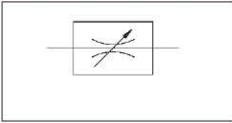
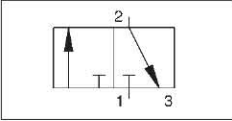
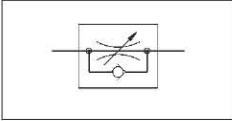
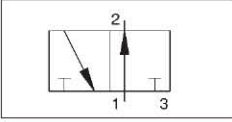
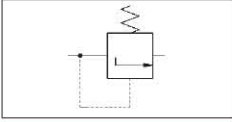
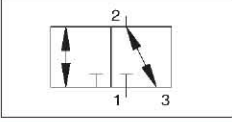
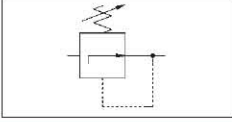
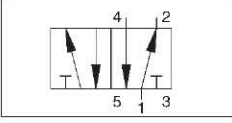
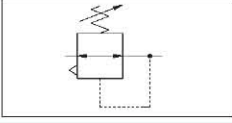
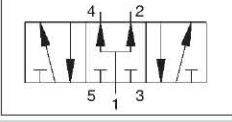
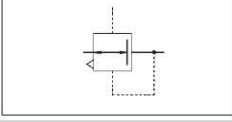
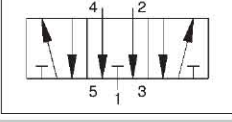
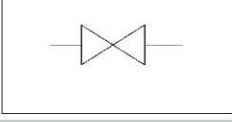
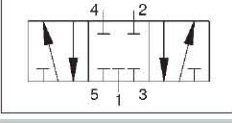
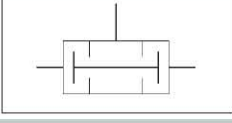
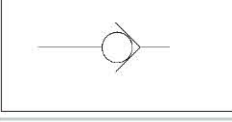
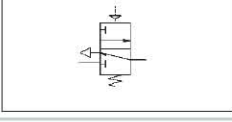
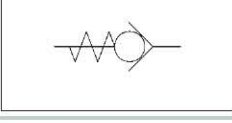
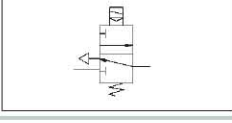
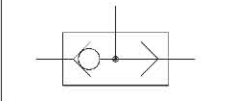
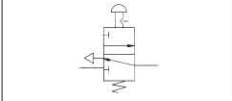
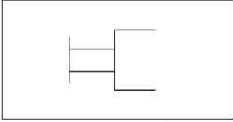
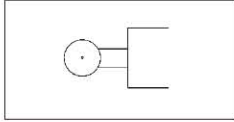
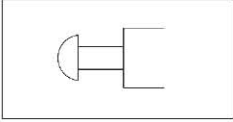
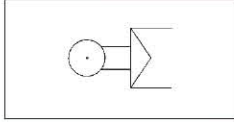
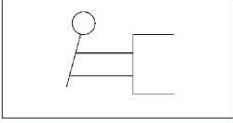
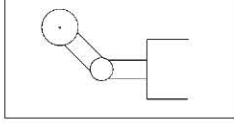
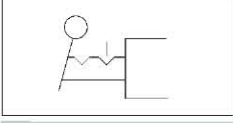
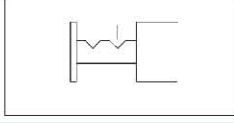
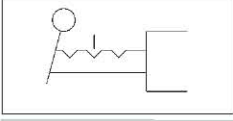
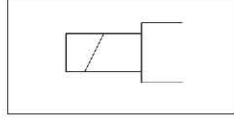
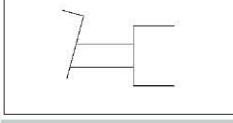
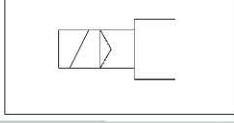
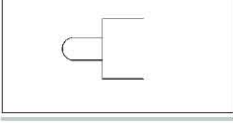
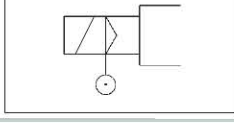
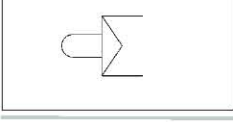
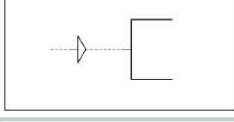



Pneumatic Symbols

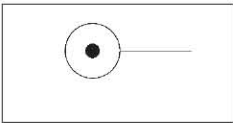


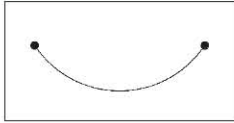


Distribution and Regulation

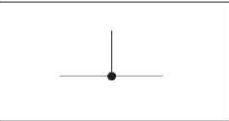
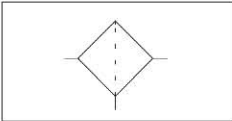
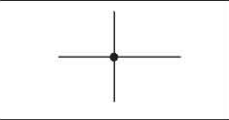
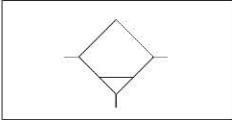
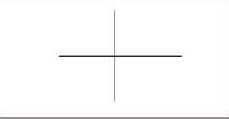
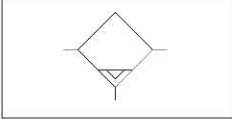
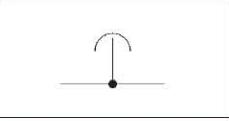
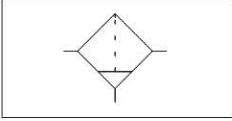
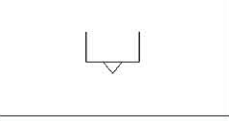
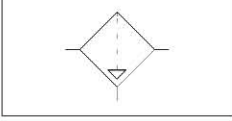
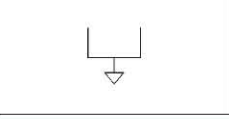
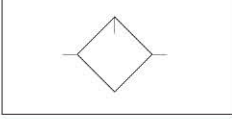
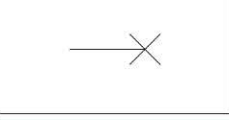
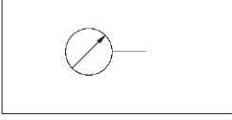

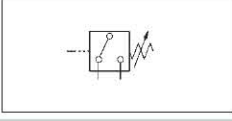
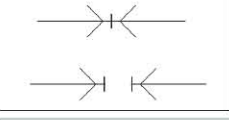
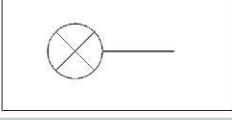
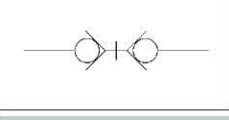
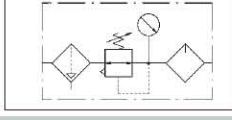
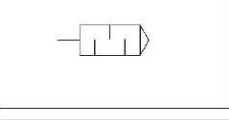
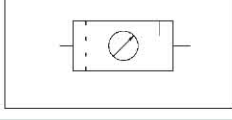
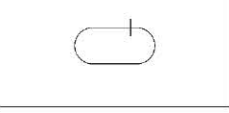
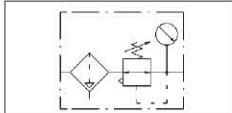
| | | | |
|--|---|--|---|
|  | 2-way/ 2 position valve (2/2) normally closed |  | Quick-release valve |
|  | 2-way/ 2 position valve (2/2) normally open |  | Bi-directional flow regulator with variable choke |
|  | 3-way/ 2 position valve (3/2) normally closed |  | Unidirectional flow regulator with variable throat |
|  | 3-way/ 2 position valve (3/2) normally open (NOT element) |  | Sequence valve |
|  | 3-way/ 2 position valve (3/2) NC-NO |  | Pressure reducer without blowoff valve |
|  | 5-way/ 2 position valve (5/2) |  | Pressure reducer with blowoff relief valve |
|  | 5-way/ 3 position valve (5/3) pressurised centre |  | Pressure piloted reducer with blowoff relief valve |
|  | 5-way/ 3 position valve (5/3) open centre |  | Shutoff valve |
|  | 5-way/ 3 position valve (5/3) closed centre |  | Dual pressure valve (AND element) |
|  | Unidirectional valve |  | 3-way shutoff valve with pneumatic control |
|  | Check valve with spring |  | 3-way shutoff valve with solenoid control |
|  | Circuit selector valve (OR element) (Shuttle valve) |  | 3-way shutoff valve with lockable control |

Controls

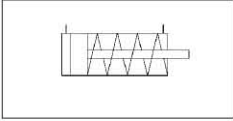
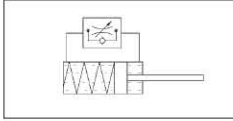
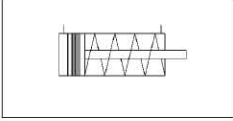
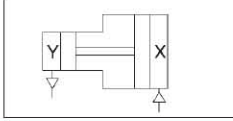
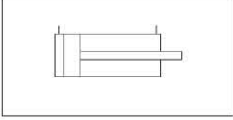
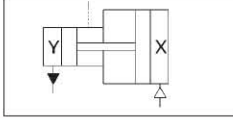
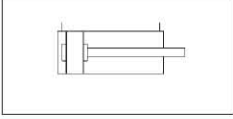
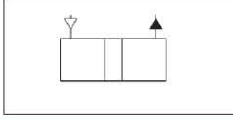
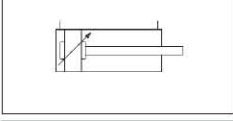
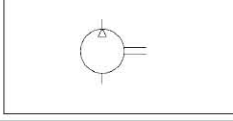
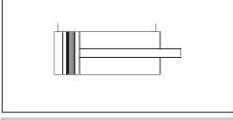
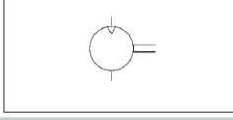
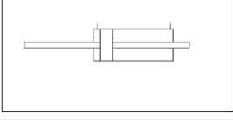
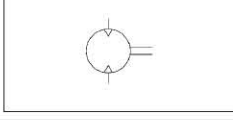
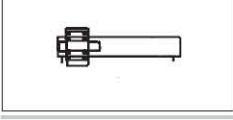
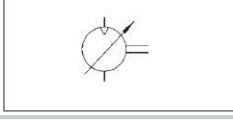
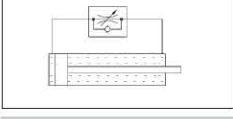
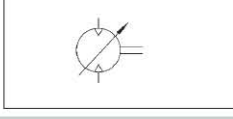
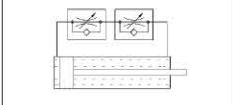
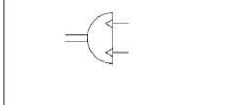
| | | | |
|---|--|--|---|
|  | Manual control |  | Mechanical control with roller lever |
|  | Manual pushbutton control |  | Mechanical control with pilot assisted roller lever |
|  | Manual lever control |  | Mechanical control with unidirectional roller lever |
|  | Manual control with 2-position detented lever |  | Mechanical control with detent |
|  | Manual control with 3-position detented lever |  | Electrical control |
|  | Manual pedal-operated control |  | Solenoid control with internal pilot assist |
|  | Mechanical control with plunger |  | Solenoid, with external pilot-assisted control |
|  | Mechanical control with pilot assisted plunger |  | Pneumatic control |
|  | Mechanical control with spring | | |

Transmission and Preparation

| | | | |
|---|---------------------------|--|--------------------------|
|  | Pneumatic pressure source |  | Discharge line |
|  | Operating line |  | Flexible line connection |
|  | Pilot Line |  | Electric cable |

| | | | |
|--|---|--|---|
|  | Line connection (welding, screwing) |  | Filter |
|  | Line connection (welding, screwing) |  | Condensate separator with manual discharge |
|  | Crossing of unconnected lines |  | Condensate separator with automatic discharge |
|  | Discharge point |  | Filter with condensate separator with manual discharge |
|  | Discharge hole without connection |  | Filter with condensate separator with automatic discharge |
|  | Discharge with connection |  | Lubricator |
|  | Power pick-up point with closing cap |  | Pressure gauge |
|  | Power pick-up point with port |  | Pressure switch |
|  | Quick-fit coupling without check valve |  | Optical tester |
|  | Quick Release - Self Sealing Coupling - connected (mechanically opened) |  | FRL + pressure gauge maintenance unit |
|  | Silencer |  | FRL + pressure gauge simplified maintenance unit |
|  | Tank |  | FR + pressure gauge maintenance unit |

Transformation

| | | | |
|---|---|--|---|
|  | Single acting cylinder |  | Cushion |
|  | Single acting magnetic cylinder |  | Pressure multiplier for fluids with identical characteristics |
|  | Double acting cylinder |  | Pressure multiplier for fluids with different characteristics |
|  | Double acting cylinder with non-adjustable cushioning |  | Pneumatic/hydraulic transducer |
|  | Double acting cylinder with adjustable cushioning |  | Constant volume compressor |
|  | Double acting magnetic cylinder (cushioning available) |  | Constant volume pneumatic motor unidirectional flow |
|  | Double acting cylinder with through-rod (magnetic/cushioning available) |  | Constant volume pneumatic motor bidirectional flow |
|  | Rodless cylinder (magnetic/cushioning available) |  | Variable volume pneumatic motor unidirectional flow |
|  | Hydraulic brake with adjustment in one direction only |  | Variable volume pneumatic motor bi-directional flow |
|  | Hydraulic brake with adjustment in both directions |  | Rotary pneumatic actuator |