*Global Presence for Peace of Mind*

Bifold®

# Pilot, Mechanical & Reset BXS Valves & High Flow SPR & PPV Valves

## (Up to and including 174 psi / 12 bar operating pressure)

### Superior Performance Throughout the Full Operational Range

- BXS, SPR & PPV Valves Certified as SIL 3 Capable
- Compact Design
- Up to 174 psi / 12 bar Operating Pressure
- Arctic Service Options to -60°C
- Valve Body 316L Stainless Steel Aluminium Options Available
- NACE-MR-01-75 Option
- High Flow - up to 103.0 Cv
- Extensive Valve Operator Options
- NAMUR Interface with Multi-Function Plates (BXS Only)

*Innovative and Reliable Valve Solutions*

*bifold.co.uk*

# Contents

Page Number

# Features & Benefits

## Standard Valve Equipment Design & Build

- Manufactured from 316L grade stainless steel as standard with aluminium options also available. The valves are suited for offshore and other corrosive atmospheres. Materials can be supplied compliant to NACE MR-01-75 rendering the valves suitable for sour gas media. Low temperature elastomer seals are available for low temperature arctic service applications.
- Bifold's BXS valve range offers a compact and flexible solution for low pressure applications. With over 35 common footprint modular operators, this versatile range covers a wide spectrum of actuation requirements.
- NAMUR Interface - available on 5 port configurations; supplied with multi-functional adapter plates to rotate through 90° or convert to 3/2 operation (BXS valves only).
- Bifold's SPR series spool type valves are positively sealed for low pressure applications up to 145 psi / 10 bar. Primarily designed for handling the high flow demands of large swept volume and/or fast acting valve actuators controlling pipeline ESD, process plant or similar applications, these afford a compact, light weight product with exceptional installation versatility.
- For systems where the actuator opening times are not critical and a small diameter tubing is used for the pressure supply, a smaller port block can be used for the pressure line connection. This eliminates the need for costly reducer fittings. The direction of the supply and vent tubing is also optional by the selection and orientation of direct entry or side entry port bocks.
- SPR Valves can be configured as 3/2 and 5/2. Normally Closed, Normally Open or Normally Universal. Users should note that the pilot operating pressures are higher for Normally Open configured valves.
- Bifold's PPV series poppet valves are positively sealed for low pressure applications up to 145 psi / 10 bar. This range of SIL 3 capable 1½" and 2" valves offer the highest flow available in the market and satisfy the demands of large swept volume and/or fast acting valve actuators controlling pipeline ESD, process plant or similar applications. PPV Valves are available as 1, 2 or 3 port exhaust units offering exceptional versatility and flow.

# Features & Benefits


Please refer to the Bifold website to see full range of SIL 3 capability certificates for the BXS, SPR & PPV.

## State of the Art Testing

## Safety and Environmental Benefits

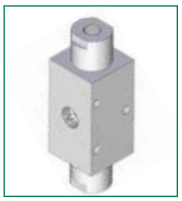
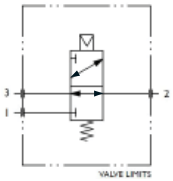
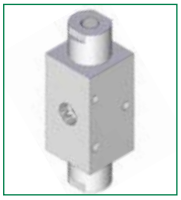
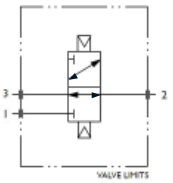
- SIL 3 capability: The product has met manufacturer design process requirements of Safety Integrity Level (SIL) 3.
- Balanced valve with high safety factors to de-energise at all pressures in Normally Open and Normally Closed configurations.
- Bifold has state of the art product qualification and production equipment including flow (Cv), environment (-70°C to +180°C), function and leakage testing, and data logging.
- Tolerant to moist air in control lines.
- Products are manufactured, inspected, assembled and tested in our state of the art production facilities.





BFD000 January '15

## Preferred Range

| BXS PILOT VALVES - PREFERRED RANGE | | | | |
|---|---|---|---|---|
| **Product** | **Schematic Representation** | **Page Number** | **Product Code** | **Product Description** |
|  **BXS** Pilot Valve | SCHEMATIC 3/2 NU  | 15 | **BXS-04-04-P1-32-NU-00-V** | ¼" NPT Ports, 3 Way 2 Position, Pilot Operated, Normally Universal, Spring Return.<br><br>Cv 0.73, 174 psi / 12 bar. |
|  **BXS** Pilot Valve | SCHEMATIC 3/2 NU  | 15 | **BXS-04-04-P1-32-NU-P1-V** | ¼" NPT Ports, 3 Way 2 Position, Pilot Operated, Normally Universal, Pilot Return (Bi-stable).<br><br>Cv 0.73, 174 psi / 12 bar. |

## Preferred Range

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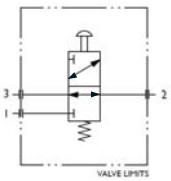
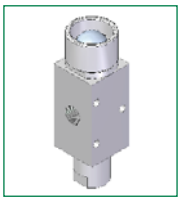
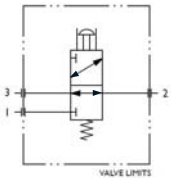
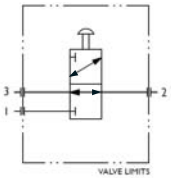
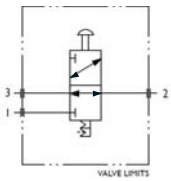
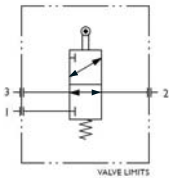
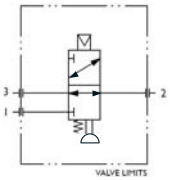
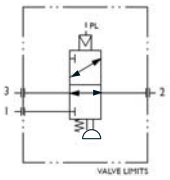
| BXS MECHANICAL VALVES - PREFERRED RANGE | | | | |
|---|---|---|---|---|
| **Product** | **Schematic Representation** | **Page Number** | **Product Code** | **Product Description** |
|  **BXS** Mechanical Valve | SCHEMATIC 3/2 NU  | 15 | **BXS-04-04-M1-32-NU-00-V** | ¼" NPT Ports, 3 Way 2 Position, Push Button, Normally Universal, Spring Return.<br><br>Cv 0.73, 174 psi / 12 bar. |
|  **BXS** Mechanical Valve | SCHEMATIC 3/2 NU  | 15 | **BXS-04-04-M2-32-NU-00-V** | ¼" NPT Ports, 3 Way 2 Position, Shrouded Button, Normally Universal, Spring Return.<br><br>Cv 0.73, 174 psi / 12 bar. |
|  **BXS** Mechanical Valve | SCHEMATIC 3/2 NU  | 15 | **BXS-04-04-M3-32-NU-04-V** | ¼" NPT Ports, 3 Way 2 Position, Push / Pull Operated, Normally Universal (Bi-stable).<br><br>Cv 0.73, 174 psi / 12 bar. |
|  **BXS** Mechanical Valve | SCHEMATIC 3/2 NU  | 15 | **BXS-04-04-M3-32-NU-05-V** | ¼" NPT Ports, 3 Way 2 Position, Push / Pull Button, Normally Universal, Detented.<br><br>Cv 0.73, 174 psi / 12 bar. |
|  **BXS** Mechanical Valve | SCHEMATIC 3/2 NU  | 15 | **BXS-04-04-M13-32-NU-00-V** | ¼" NPT Ports, 3 Way 2 Position, Cam Operated, Normally Universal, Spring Return.<br><br>Cv 0.73, 174 psi / 12 bar. |

## Preferred Range

| BXS RESET VALVES - PREFERRED RANGE | | | | |
|---|---|---|---|---|
| **Product** | **Schematic Representation** | **Page Number** | **Product Code** | **Product Description** |
|  **BXS** Reset Valve | SCHEMATIC 3/2 NU  | 15 | **BXS-04-04-P1-32-NU-M15-V** | ¼" NPT Ports, 3 Way 2 Position, Pull Button or Pilot Pressure to Operate, Normally Universal, Spring Return.<br><br>Cv 0.73, 174 psi / 12 bar. |
|  **BXS** Reset Valve | SCHEMATIC 3/2 NU  | 15 | **BXS-04-04-P9-32-NC-M15-V** | ¼" NPT Ports, 3 Way 2 Position, Pull Button to Operate, Air Latch Pilot, Normally Closed, Spring Return.<br><br>Cv 0.73, 174 psi / 12 bar. |

## Preferred Range

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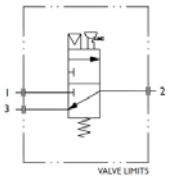
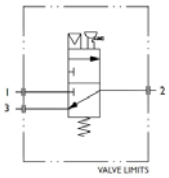
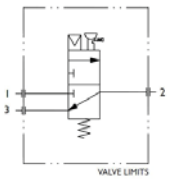
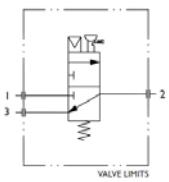
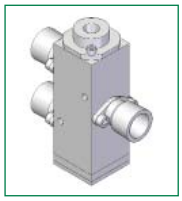
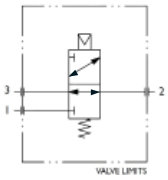
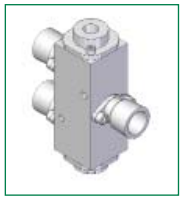
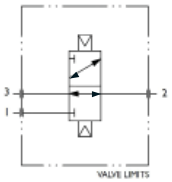
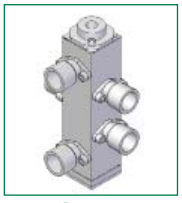
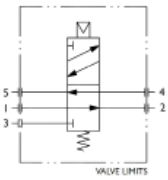
| SJJE06 & HSJJE06 RESET VALVES - PREFERRED RANGE | | | | |
|---|---|---|---|---|
| **Product** | **Schematic Representation** | **Page Number** | **Product Code** | **Product Description** |
|  **SJJE06** Gaseous Service Reset Valve | SCHEMATIC 3/2 NC  | 18 | **SJJE06-P1-32-NC-M16-K54** | ¼" NPT Ports, 3 Way 2 Position, Pull Button or Pilot Pressure to Operate, Preliminary Latch Pin, Normally Closed, Spring Return.<br><br>Cv 0.73, 145 psi / 10 bar. |
|  **SJJE06** Gaseous Service Reset Valve | SCHEMATIC 3/2 NC  | 18 | **SJJE06-P9-32-NC-M16-K54** | ¼" NPT Ports, 3 Way 2 Position, Pull Button to Operate, Preliminary Latch Pin, Air Latch Pilot, Normally Closed, Spring Return.<br><br>Cv 0.73, 145 psi / 10 bar. |
|  **HSJJE06** Hydraulic Service Reset Valve | SCHEMATIC 3/2 NC  | 18 | **HSJJE06-P1-32-NC-M16-K54** | ¼" NPT Ports, 3 Way 2 Position, Pull Button or Pilot Pressure to Operate, Preliminary Latch Pin, Normally Closed, Spring Return.<br><br>Cv 0.73, 116 psi / 8 bar. |
|  **HSJJE06** Hydraulic Service Reset Valve | SCHEMATIC 3/2 NC  | 18 | **HSJJE06-P92-32-NC-M16-K54** | ¼" NPT Ports, 3 Way 2 Position, Pull Button to Operate, Preliminary Latch Pin, Air Latch Pilot, Normally Closed, Spring Return.<br><br>Cv 0.73, 116 psi / 8 bar. |

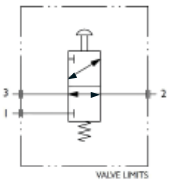
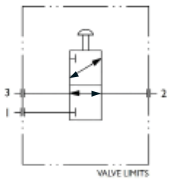
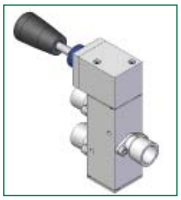
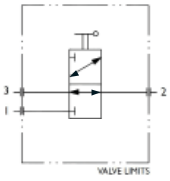
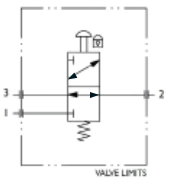
## Preferred Range

### SPR HIGH FLOW PILOT VALVES - PREFERRED RANGE

| Product | Schematic Representation | Page Number | Product Code | Product Description |
|---|---|---|---|---|
|  **SPR** High Flow Pilot Valve | SCHEMATIC 3/2 NU  | 19 | **SPR-08-08-P1-32-NU-00-V** | ½" NPT Ports, 3 Way 2 Position, Pilot Operated, Normally Universal, Spring Return.<br><br>Cv 3.9, 145 psi / 10 bar. |
|  **SPR** High Flow Pilot Valve | SCHEMATIC 3/2 NU  | 19 | **SPR-08-08-P1-32-NU-P1-V** | ½" NPT Ports, 3 Way 2 Position, Pilot Operated, Normally Universal, Pilot Return (Bi-stable).<br><br>Cv 3.9, 145 psi / 10 bar. |
|  **SPR** High Flow Pilot Valve | SCHEMATIC 5/2  | 20 | **SPR-08-08-P1-52-XX-00-V** | ½" NPT Ports, 5 Way 2 Position, Pilot Operated, Spring Return.<br><br>Cv 3.9, 145 psi / 10 bar. |

## Preferred Range

### SPR HIGH FLOW MECHANICAL VALVES - PREFERRED RANGE

| Product | Schematic Representation | Page Number | Product Code | Product Description |
|---|---|---|---|---|
|  **SPR** High Flow Mechanical Valve | SCHEMATIC 3/2 NU  | 19 | **SPR-08-08-M1-32-NU-00-V** | ½" NPT Ports, 3 Way 2 Position, Push Button, Normally Universal, Spring Return.<br><br>Cv 3.9, 145 psi / 10 bar. |
|  **SPR** High Flow Mechanical Valve | SCHEMATIC 3/2 NU  | 19 | **SPR-08-08-M3-32-NU-04-V** | ½" NPT Ports, 3 Way 2 Position, Push/Pull Operated, Normally Universal (Bi-stable).<br><br>Cv 3.9, 145 psi / 10 bar. |
|  **SPR** High Flow Mechanical Valve | SCHEMATIC 3/2 NU  | 19 | **SPR-08-08-M6-32-NU-04-V** | ½" NPT Ports, 3 Way 2 Position, Lever Operated, Normally Universal (Bi-stable).<br><br>Cv 3.9, 145 psi / 10 bar. |
|  **SPR** High Flow Mechanical Valve | SCHEMATIC 3/2 NU  | 19 | **SPR-08-08-M9/1-32-NU-00-V** | ½" NPT Ports, 3 Way 2 Position, Padlockable Push Button, Normally Universal, Spring Return.<br><br>Cv 3.9, 145 psi / 10 bar. |

## Preferred Range

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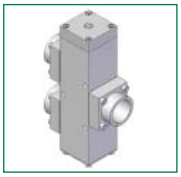
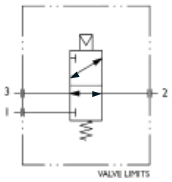
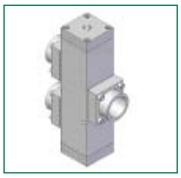
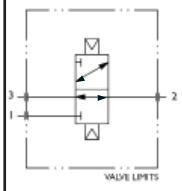
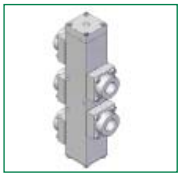
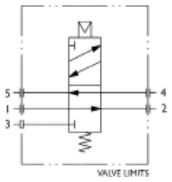
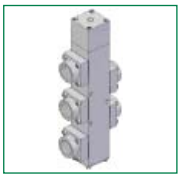
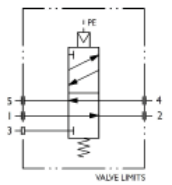
| SPR HIGH FLOW PILOT VALVES - PREFERRED RANGE | | | | |
|---|---|---|---|---|
| **Product** | **Schematic Representation** | **Page Number** | **Product Code** | **Product Description** |
|  **SPR** High Flow Pilot Valve | SCHEMATIC 3/2 NU  | 21 | **SPR-16-16-P1-32-NU-00-V** | 1" NPT Ports, 3 Way 2 Position, Pilot Operated, Normally Universal, Spring Return.<br><br>Cv 11.1, 145 psi / 10 bar. |
|  **SPR** High Flow Pilot Valve | SCHEMATIC 3/2 NU  | 21 | **SPR-16-16-P1-32-NU-P1-V** | 1" NPT Ports, 3 Way 2 Position, Pilot Operated, Normally Universal, Pilot Return (Bi-stable).<br><br>Cv 11.1, 145 psi / 10 bar. |
|  **SPR** High Flow Pilot Valve | SCHEMATIC 5/2  | 22 | **SPR-16-16-P1-52-XX-00-V** | 1" NPT Ports, 5 Way 2 Position, Pilot Operated, Spring Return.<br><br>Cv 11.1, 145 psi / 10 bar. |
|  **SPR** High Flow Pilot Valve | SCHEMATIC 5/2  | 22 | **SPR-16-16-P16-52-XX-00-V** | 1" NPT Ports, 5 Way 2 Position, Pilot Operated (Equaliser), Spring Return.<br><br>Cv 11.1, 145 psi / 10 bar. |

## Preferred Range

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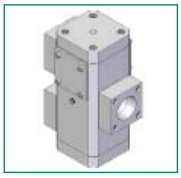
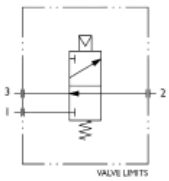
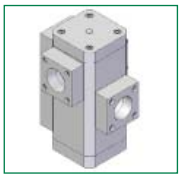
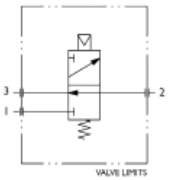
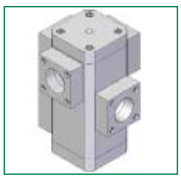
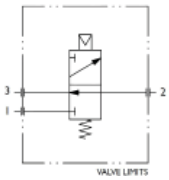
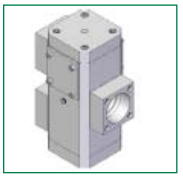
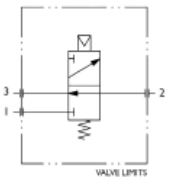
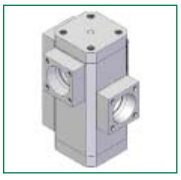
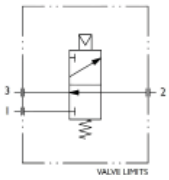
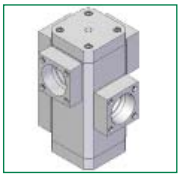
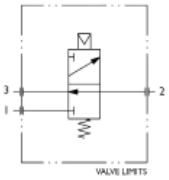
| PPV HIGH FLOW PILOT VALVES - PREFERRED RANGE | | | | |
|---|---|---|---|---|
| **Product** | **Schematic Representation** | **Page Number** | **Product Code** | **Product Description** |
|  **PPV** High Flow Pilot Valve | SCHEMATIC 3/2 NC  | 23 | **PPV-32-24-P1-32-NC-00-V-E-K54** | 1½" NPT Ports, 3 Way 2 Position, Pilot Operated, Normally Closed, Spring Return, Single Exhaust.<br><br>Cv 37.0, 145 psi / 10 bar.<br>Cv 37.0, 145 psi / 10 bar (Exhaust). |
|  **PPV** High Flow Pilot Valve | SCHEMATIC 3/2 NC  | 23 | **PPV-32-24-P1-32-NC-00-V-EE-K54** | 1½" NPT Ports, 3 Way 2 Position, Pilot Operated, Normally Closed, Spring Return, Double Exhaust.<br><br>Cv 37.0, 145 psi / 10 bar.<br>Cv 50.0, 145 psi / 10 bar (Exhaust). |
|  **PPV** High Flow Pilot Valve | SCHEMATIC 3/2 NC  | 23 | **PPV-32-24-P1-32-NC-00-V-EEE-K54** | 1½" NPT Ports, 3 Way 2 Position, Pilot Operated, Normally Closed, Spring Return, Triple Exhaust.<br><br>Cv 37.0, 145 psi / 10 bar.<br>Cv 58.0, 145 psi / 10 bar (Exhaust). |
|  **PPV** High Flow Pilot Valve | SCHEMATIC 3/2 NC  | 23 | **PPV-32-32-P1-32-NC-00-V-E-K54** | 2" NPT Ports, 3 Way 2 Position, Pilot Operated, Normally Closed, Spring Return, Single Exhaust.<br><br>Cv 61.6, 145 psi / 10 bar.<br>Cv 61.6, 145 psi / 10 bar (Exhaust). |
|  **PPV** High Flow Pilot Valve | SCHEMATIC 3/2 NC  | 23 | **PPV-32-32-P1-32-NC-00-V-EE-K54** | 2" NPT Ports, 3 Way 2 Position, Pilot Operated, Normally Closed, Spring Return, Double Exhaust.<br><br>Cv 61.6, 145 psi / 10 bar.<br>Cv 94.6, 145 psi / 10 bar (Exhaust). |
|  **PPV** High Flow Pilot Valve | SCHEMATIC 3/2 NC  | 23 | **PPV-32-32-P1-32-NC-00-V-EEE-K54** | 2" NPT Ports, 3 Way 2 Position, Pilot Operated, Normally Closed, Spring Return, Triple Exhaust.<br><br>Cv 61.6, 145 psi / 10 bar.<br>Cv 103.0, 145 psi / 10 bar (Exhaust). |

# BXS Overview

## Materials of Construction

| | |
|---|---|
| Valve: | 316L stainless steel as standard with aluminium options also available. |
| Seat Materials: | Viton as standard. Alternative elastomers available for extreme conditions. |
| Springs: | UNS R30003 and 316L stainless steel. |
| Ports: | ¼" thread milled NPT (BSPP options available). |

## Certification & Approvals

SIL 3 capability: The product has met manufacturer design process requirements of Safety Integrity Level (SIL) 3 in accordance with IEC 61508.

## Flow Performance

0.73 Cv.

## Operating Media

- Filtered air.
- Inert gas.
- Sweet or sour gas.
- Water and water glycol.
- Mineral Oil.

## Temperature Rating

-15°C to +130°C (Standard).
-25°C to +130°C (Low Temperature).
-55°C to +130°C (Arctic service option).

## Operating Pressure

0 -174 psi / 12 bar mainstage working pressure.

00 - Spring Return Pneumatic.
32.6 psi / 2.5 bar minimum pilot pressure - 14.5 psi / 1 bar dropout.

00/1 - Spring Return hydraulic.
72.5 psi / 5 bar minimum pilot pressure - 36.2 psi / 2.5 bar dropout.

P4 - Hydraulic Pilot (High Pressure).
5000 psi / 345 bar maximum pilot pressure - 70 psi / 1015 bar minimum pilot pressure.

P6 - Air Pilot (Low Pressure).
18 psi / 1.25 bar minimum pilot pressure - 7 psi / 0.5 bar dropout.

Bifold BXS valves must be installed, operated and maintained in accordance with the relevant Bifold installation, operating and maintenance instructions, relevant installation rules, regulations and codes of practice.

# SPR Overview

## Materials of Construction

| | |
|---|---|
| Valve: | 316L stainless steel as standard with aluminium options also available. |
| Fasteners: | Metric A4 18/10 316L stainless steel. |
| Seat Materials: | Viton as standard. Alternative elastomers available for extreme conditions. |
| Springs: | UNS R30003 and 316L stainless steel. |
| Ports: | ¼", ⅜", ½", ¾" & 1" thread milled NPT (BSPP options available). |

## Certification & Approvals

SIL 3 capability: The product has met manufacturer design process requirements of Safety Integrity Level (SIL) 3 in accordance with IEC 61508.

## Flow Performance

| | |
|---|---|
| ½" | 3.9 Cv. |
| 1" | 11.1 Cv. |

## Operating Media

- Filtered air.
- Inert gas.
- Sweet or sour gas.

## Temperature Rating

-20°C to +120°C (Standard).
-60°C to +100°C (Arctic service option).

## Operating Pressure

0 - 145 psi / 10 bar mainstage working pressure.

P1 - Air Pilot (Standard).
43.5 psi / 3 bar - Minimum Pilot Pressure - Normally Closed.
72.5 psi / 5 bar - Minimum Pilot Pressure - Normally Open.

P6 - Air Pilot (Low Pressure)
14.5 psi / 1 bar - Normally Closed & Normally Open.

P16 - Air Pilot (Equalizer).
43.5 psi / 3 bar - Normally Closed & Normally Open.

For more information, please contact Bifold Sales Department.

# PPV Overview

## Materials of Construction

| | |
|---|---|
| Valve: | 316L stainless steel as standard with aluminium options also available. |
| Fasteners: | Metric A4 18/10 316L stainless steel. |
| Seat Materials: | Viton as standard. Alternative elastomers available for extreme conditions. |
| Springs: | UNS R30003 and 316L stainless steel. |
| Ports: | 1½" & 2" thread milled NPT (BSPP options available). |

## Certification & Approvals

SIL 3 capability: The product has met manufacturer design process requirements of Safety Integrity Level (SIL) 3 in accordance with IEC 61508.

## Temperature Rating

-25°C to +170°C (Standard).
-60°C to +160°C (Arctic service option).

## Operating Pressure

0 -145 psi / 10 bar mainstage working pressure.
29.0 psi / 2 bar minimum pilot pressure.

## Flow Performance

| | | | |
|---|---|---|---|
| 1½" | 37 Cv | E | Single Exhaust - 37.0 Cv. |
| | | EE | Double Exhaust - 50.0 Cv. |
| | | EEE | Triple Exhaust - 58.0 Cv. |
| 2" | 61.6 Cv | E | Single Exhaust - 61.6 Cv. |
| | | EE | Double Exhaust - 94.6 Cv. |
| | | EEE | Triple Exhaust - 103.0 Cv. |

## Operating Media

- Filtered air.
- Sweet or sour gas.
- Inert gas.

For more information, please contact Bifold Sales Department.

# Port Connections

## Port Connections for 3/2 (BXS, (H)SJJE06 & SPR)

| PORT CONNECTIONS TABLE | | | |
|---|---|---|---|
| **Configuration** | **Pressure** | **Service** | **Vent** |
| Normally Closed | 1 | 2 | 3 |
| Normally Open | 3 | 2 | 1 |

For port connections please refer to selection chart ordering example pages 15, 18, 19 & 21.

## Port Connections for 5/2 & 5/3 (BXS), & 5/2 (SPR)

| PORT CONNECTIONS TABLE | | | |
|---|---|---|---|
| **Configuration** | **Pressure** | **Service** | **Vent** |
| XX | 1 | 2 & 4 | 3 & 5 |
| YY | 1 | 2 & 4 | 3 & 5 |
| ZZ | 1 | 2 & 4 | 3 & 5 |

For port connections, please refer to selection chart ordering example on pages 16, 17, 20 & 22.

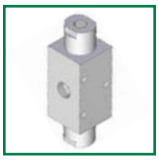
## Port Connections for 3/2 (PPV)

| PORT CONNECTIONS TABLE | | | |
|---|---|---|---|
| **Configuration** | **Pressure** | **Service** | **Vent** |
| Normally Closed | 1 | 2 | 3 |

For port connections please refer to selection chart ordering example page 23.

# BXS-04 3/2

For the dimensional drawings of the BXS valves, please see pages 24, 25 & 26.



## BXS-04 Selection Chart - Ordering Example

| | | | Model Code |
|---|---|---|---|
| **BXS-04** | ¼" | | |
| **04** | ¼" Body Ported (Stainless Steel) | | Connections |
| **A04** | ¼" Body Ported (Aluminium) | | |
| **P1** | Air Pilot (Standard) | | Primary Operator |
| **P2** | Air Pilot (Side) | | |
| **P3** | Air Pilot (Side + Manual Override) | | |
| **P4** | Hydraulic Pilot (High Pressure) | | |
| **P5** | Pressure Sensing Pilot | | |
| **P6** | Air Pilot (Low Pressure) | | |
| **P9** | Air Latch Pilot Operator | | |
| **M1** | Push Button | | |
| **M2** | Shrouded Push Button | | |
| **M3** | Push / Pull Button | | |
| **M5** | Key Operator (Direct Acting) | | |
| **M5C** | Key Operator (Direct Acting + Coded) | | |
| **M5/1** | Key Operator (Indirect Acting) | | |
| **M5C/1** | Key Operator (Indirect Acting + Coded) | | |
| **M7** | Plunger | | |
| **M9** | Push / Pull Button (M3) with Padlock | | |
| **M9/1** | Push Button (M1) with padlock | | |
| **M13** | Roller Cam (Ball) | | |
| **22** | 2 Way 2 Position (Only available in a NO & NC configuration) | | Configuration |
| **32** | 3 Way 2 Position | | |
| **NC** | Normally Closed (P9 option only) | (For the port connections table, please refer to page 14) | Configuration |
| **NU** | Normally Universal | | |
| **00** | Spring Return Pneumatic | | Secondary Operator |
| **00/1** | Spring Return Hydraulic | | |
| **02** | Spring Return + Plunger | | |
| **03/1** | Spring Return + Latch - Energised | | |
| **03/2** | Spring Return + Latch - De-Energised | | |
| **04** | Blank (Bi-Stable) | | |
| **05** | Positive Detent | | |
| **P1** | Air Pilot (Standard) | | |
| **P2** | Air Pilot (Side) | | |
| **P3** | Air Pilot (Side + Manual Override) | | |
| **P4** | Hydraulic Pilot (High Pressure) | | |
| **P5** | Pressure Sensing Pilot | | |
| **P6** | Air Pilot (Low Pressure) | | |
| **M1** | Push Button | | |
| **M2** | Shrouded Push Button | | |
| **M3** | Push / Pull Button | | |
| **M7** | Plunger | | |
| **M9** | Push / Pull Button (M3) with Padlock | | |
| **M9/1** | Push Button (M1) with Padlock | | |
| **M15** | Pull Button (Spring Return) (Only available in a NC configuration) | | |
| **M17** | Pull Button (Spring Return) + Padlock (Only available in a NC configuration) | | |
| **V** | Viton | (-15°C to +130°C) | O-ring Material |
| **SA** | Nitrile (Low Temperature) | (-25°C to +130°C) | |
| **AL** | Fluorosilicone | (-55°C to +130°C) | |
| **NO LETTER** | NPT Ports | | Option |
| **K6** | BSPP Ports | | |
| **K22** | Extra Panel Mount Ring | | Option |
| **K28** | Red Plastic Button | | Option |
| **K54** | Block After Bleed (BAB) | | Option |
| **BXS-04-04 - P1 - 32 - NU - 00 - V - K6 - K22 - K28 - K54** | | | Ordering Example |

Bespoke configured datasheets are available for specific model numbers, please contact Bifold for more information.

# BXS-04 5/2

## BXS-04 Selection Chart - Ordering Example

| | | Model Code |
|---|---|---|
| **BXS-04** | ¼" | |
| **04** | ¼" Body Ported (Stainless Steel) | Connections |
| **A04** | ¼" Body Ported (Aluminium) | |
| **P1** | Air Pilot (Standard) | Primary Operator |
| **P2** | Air Pilot (Side) | |
| **P3** | Air Pilot (Side + Manual Override) | |
| **P4** | Hydraulic Pilot (High Pressure) | |
| **P5** | Pressure Sensing Pilot | |
| **P6** | Air Pilot (Low Pressure) | |
| **P9** | Air Latch Pilot Operator | |
| **M1** | Push Button | |
| **M2** | Shrouded Push Button | |
| **M3** | Push / Pull Button | |
| **M5** | Key Operator (Direct Acting) | |
| **M5C** | Key Operator (Direct Acting + Coded) | |
| **M5/1** | Key Operator (Indirect Acting) | |
| **M5C/1** | Key Operator (Indirect Acting + Coded) | |
| **M7** | Plunger | |
| **M9** | Push / Pull Button (M3) with Padlock | |
| **M9/1** | Push Button (M1) with padlock | |
| **M13** | Roller Cam (Ball) | |
| **52** | 5 Way 2 Position | Configuration |
| **53** | 5 Way 3 Position | |
| **XX** | 5/2 Only | Configuration |
| **YY** | 5/3 All Ports Blocked | |
| **ZZ** | 5/3 Valve Cylinder Ports Vented | |
| | (For the port connections table, please refer to page 14) | |
| **00** | Spring Return Pneumatic | Secondary Operator |
| **00/1** | Spring Return Hydraulic | |
| **02** | Spring Return + Plunger | |
| **03/1** | Spring Return + Latch - Energised | |
| **03/2** | Spring Return + Latch - De-Energised | |
| **04** | Blank (Bi-Stable) | |
| **05** | Positive Detent | |
| **P1** | Air Pilot (Standard) | |
| **P2** | Air Pilot (Side) | |
| **P3** | Air Pilot (Side + Manual Override) | |
| **P4** | Hydraulic Pilot (High Pressure) | |
| **P5** | Pressure Sensing Pilot | |
| **P6** | Air Pilot (Low Pressure) | |
| **M1** | Push Button | |
| **M2** | Shrouded Push Button | |
| **M3** | Push / Pull Button | |
| **M7** | Plunger | |
| **M9** | Push / Pull Button (M3) with Padlock | |
| **M9/1** | Push Button (M1) with Padlock | |
| **M15** | Pull Button (Spring Return) | |
| **M17** | Pull Button (Spring Return) + Padlock | |
| **V** | Viton (-15°C to +130°C) | O-ring Material |
| **SA** | Nitrile (Low Temperature) (-25°C to +130°C) | |
| **AL** | Fluorosilicone (-55°C to +130°C) | |
| **NO LETTER** | NPT Ports | Option |
| **K6** | BSPP Ports | |
| **K22** | Extra Panel Mount Ring | Option |
| **K28** | Red Plastic Button | Option |
| **BXS-04-04 - P1 - 52 - XX - 00 - V - K6 - K22 - K28** | | Ordering Example |

Bespoke configured datasheets are available for specific model numbers, please contact Bifold for more information.

# BXS-04 5/2 NAMUR

## BXS-04 Selection Chart - Ordering Example

| | | Model Code |
|---|---|---|
| **BXS-04** | ¼" | |
| **N4** | ¼" Body Ported NAMUR (Stainless Steel) | Connections |
| **AN4** | ¼" Body Ported NAMUR (Aluminium) | |
| **P1** | Air Pilot (Standard) | Primary Operator |
| **P2** | Air Pilot (Side) | |
| **P3** | Air Pilot (Side + Manual Override) | |
| **P4** | Hydraulic Pilot (High Pressure) | |
| **P5** | Pressure Sensing Pilot | |
| **P6** | Air Pilot (Low Pressure) | |
| **P9** | Air Latch Pilot Operator | |
| **M1** | Push Button | |
| **M2** | Shrouded Push Button | |
| **M3** | Push / Pull Button | |
| **M5** | Key Operator (Direct Acting) | |
| **M5C** | Key Operator (Direct Acting + Coded) | |
| **M5/1** | Key Operator (Indirect Acting) | |
| **M5C/1** | Key Operator (Indirect Acting + Coded) | |
| **M7** | Plunger | |
| **M9** | Push / Pull Button (M3) with Padlock | |
| **M9/1** | Push Button (M1) with padlock | |
| **M13** | Roller Cam (Ball) | |
| **52** | 5 Way 2 Position | Configuration |
| **53** | 5 Way 3 Position | |
| **XX** | 5/2 Only | Configuration |
| **YY** | 5/3 All Ports Blocked | |
| **ZZ** | 5/3 Valve Cylinder Ports Vented | |
| | (For the port connections table, please refer to page 14) | |
| **00** | Spring Return Pneumatic | Secondary Operator |
| **00/1** | Spring Return Hydraulic | |
| **02** | Spring Return + Plunger | |
| **03/1** | Spring Return + Latch - Energised | |
| **03/2** | Spring Return + Latch - De-Energised | |
| **04** | Blank (Bi-Stable) | |
| **05** | Positive Detent | |
| **P1** | Air Pilot (Standard) | |
| **P2** | Air Pilot (Side) | |
| **P3** | Air Pilot (Side + Manual Override) | |
| **P4** | Hydraulic Pilot (High Pressure) | |
| **P5** | Pressure Sensing Pilot | |
| **P6** | Air Pilot (Low Pressure) | |
| **M1** | Push Button | |
| **M2** | Shrouded Push Button | |
| **M3** | Push / Pull Button | |
| **M7** | Plunger | |
| **M9** | Push / Pull Button (M3) with Padlock | |
| **M9/1** | Push Button (M1) with Padlock | |
| **M15** | Pull Button (Spring Return) | |
| **M17** | Pull Button (Spring Return) + Padlock | |
| **V** | Viton (-15°C to +130°C) | O-ring Material |
| **SA** | Nitrile (Low Temperature) (-25°C to +130°C) | |
| **AL** | Fluorosilicone (-55°C to +130°C) | |
| **NO LETTER** | NPT Ports | Option |
| **K6** | BSPP Ports | |
| **K22** | Extra Panel Mount Ring | Option |
| **K28** | Red Plastic Button | Option |
| **BXS-04-N04 - P1 - 52-XX - 00 - V - K6 - K22 - K28** | | Ordering Example |

Bespoke configured datasheets are available for specific model numbers, please contact Bifold for more information.

**Note:**
All valves are supplied with a full set of mounting option, 3/2 & 5/2 configuration option interface blocks as standard, please see pages 34 & 35.

# (H)SJJE06 3/2

For the dimensional drawing of the SJJE06 valve, please see page 27.

## (H)SJJE06 Selection Chart - Ordering Example

| | | |
|---|---|---|
| **SJJE06**<br>**HSJJE06** | Gaseous Service<br>Hydraulic Service | Model Code |
| **P1**<br>**P9**<br>**P92** | Air Pilot (Standard)<br>Air Latch Pilot Operator (Only available with the SJJE06 option)<br>Air Latch Pilot Operator (Only available with the HSJJE06 option) | Primary Operator |
| **32** | 3 Way 2 Position | Configuration |
| **NC** | Normally Closed (For the port connections table, please refer to page 14) | Configuration |
| **M16** | Pull Button Spring Return with Preliminary Latch & Panel Mount | Secondary Operator |
| **NO LETTER**<br>**K6** | NPT Ports<br>BSPP Ports | Option |
| **K22** | Extra Panel Mount Ring | Option |
| **K28** | Red Plastic Button | Option |
| **K54** | Block After Bleed (BAB) | Configuration |
| **SJJE06 - P1 - 32 - NC - M16 - K6 - K22-K28 - K54** | | Ordering Example |

Bespoke configured datasheets are available for specific model numbers, please contact Bifold for more information.

## Wellhead market - Pull + Pin (Latching Valve)

SJJE06-P9-32-NC-M16-K54 (Gaseous Service)
HSJJE06-P92-32-NC-M16-K54 (Hydraulic Service) } Pull (Spring Return Panel Mount) + Latch

## Operating Pressure

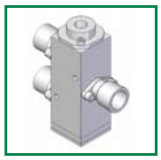
0 -145 psi / 10 bar Pneumatic Working Pressure.
0 -116 psi / 8 bar Hydraulic Working Pressure.

## Temperature Rating

-20°C to +180°C (Standard Service).

# SPR-08 3/2

For the dimensional drawings of the SPR valves, please see pages 28, 29 & 30.



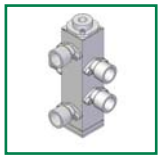
## SPR-08 Selection Chart - Ordering Example

| | | Model Code |
|---|---|---|
| **SPR-08** | ½" Spool Valve | |
| **06** | ⅜" Port Blocks (Stainless Steel) | Ports |
| **A06** | ⅜" Body Ported (Aluminium) | |
| **08** | ½" Port Blocks (Stainless Steel) | |
| **A08** | ½" Body Ported (Aluminium) | |
| **P1** | Air Pilot (Standard) | Primary Operator |
| **P5** | Pressure Sensing Pilot | |
| **P6** | Air Pilot (Low Pressure) (For operating pressures, please refer to page 14) | |
| **P9** | Air Latch Pilot Operator | |
| **P16** | Air Pilot (Equalizer) | |
| **M1** | Push Button | |
| **M3** | Push / Pull Button | |
| **M6** | Lever | |
| **M9** | Push / Pull Button (M3) with Padlock | |
| **M9/1** | Push Button (M1) with padlock | |
| **22** | 2 Way 2 Position (Only available in a NO & NC configuration) | Configuration |
| **32** | 3 Way 2 Position | |
| **NC** | Normally Closed (P9 option only) | Configuration |
| **NU** | Normally Universal (For the port connections table, please refer to page 14) | |
| **00** | Spring Return | Secondary Operator |
| **04** | Blank (Bi-Stable) | |
| **04/2** | Blank + Plunger (Bi-Stable) | |
| **05** | Positive Detent | |
| **P1** | Air Pilot (Standard) | |
| **P5** | Pressure Sensing Pilot (For operating pressures, please refer to page 13) | |
| **P6** | Air Pilot (Low Pressure) | |
| **P16** | Air Pilot (Equalizer) | |
| **M1** | Push Button | |
| **M3** | Push / Pull Button | |
| **M6** | Lever | |
| **M9** | Push / Pull Button (M3) with Padlock | |
| **M9/1** | Push Button (M1) with padlock | |
| **M15** | Pull Button (Spring Return) (Only available in a NC configuration) | |
| **M17** | Pull Button (Spring Return) + Padlock (Only available in a NC configuration) | |
| **V** | Viton (Standard) (-20°C to +120°C) | O-ring Material |
| **AL** | Fluorosilicone (-60°C to +100°C) | |
| **NO LETTER** | NPT Ports | Option |
| **K6** | BSPP Ports | |
| **K28** | Red Plastic Button | Option |
| **SPR-08-08 - P1 - 32 - NU - 00 - V - K6 - K28** | | Ordering Example |

Bespoke configured datasheets are available for specific model numbers, please contact Bifold for more information.

# SPR-08 5/2

For the dimensional drawings of the SPR valves, please see page 28.



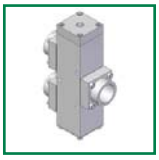
## SPR-08 Selection Chart - Ordering Example

| | | |
|---|---|---|
| **SPR-08** | ½" Spool Valve | Model Code |
| **06** | ⅜" Port Blocks (Stainless Steel) | Ports |
| **A06** | ⅜" Body Ported (Aluminium) | |
| **08** | ½" Port Blocks (Stainless Steel) | |
| **A08** | ½" Body Ported (Aluminium) | |
| **P1** | Air Pilot (Standard) | Primary Operator |
| **P5** | Pressure Sensing Pilot | |
| **P6** | Air Pilot (Low Pressure) (For operating pressures, please refer to page 13) | |
| **P9** | Air Latch Pilot Operator | |
| **P16** | Air Pilot (Equalizer) | |
| **M1** | Push Button | |
| **M3** | Push / Pull Button | |
| **M6** | Lever | |
| **M9** | Push / Pull Button (M3) with Padlock | |
| **M9/1** | Push Button (M1) with padlock | |
| **52** | 5 Way 2 Position | Configuration |
| **XX** | 5/2 Only (For the port connections table, please refer to page 13) | Configuration |
| **00** | Spring Return | Secondary Operator |
| **04** | Blank (Bi-Stable) | |
| **04/2** | Blank + Plunger (Bi-Stable) | |
| **05** | Positive Detent | |
| **P1** | Air Pilot (Standard) | |
| **P5** | Pressure Sensing Pilot (For operating pressures, please refer to page 13) | |
| **P6** | Air Pilot (Low Pressure) | |
| **P16** | Air Pilot (Equalizer) | |
| **M1** | Push Button | |
| **M3** | Push / Pull Button | |
| **M6** | Lever | |
| **M9** | Push / Pull Button (M3) with Padlock | |
| **M9/1** | Push Button (M1) with padlock | |
| **M15** | Pull Button (Spring Return) (Only available in a NC configuration) | |
| **M17** | Pull Button (Spring Return) + Padlock (Only available in a NC configuration) | |
| **V** | Viton (Standard) (-20°C to +120°C) | O-ring Material |
| **AL** | Fluorosilicone (-60°C to +100°C) | |
| **NO LETTER** | NPT Ports | Option |
| **K6** | BSPP Ports | |
| **K28** | Red Plastic Button | Option |
| **SPR-08-08 - P1 - 52 - XX - 00 - V - K6 - K28** | | Ordering Example |

Bespoke configured datasheets are available for specific model numbers, please contact Bifold for more information.

# SPR-16 3/2

For the dimensional drawings of the SPR valves, please see page 30.



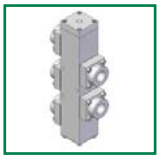
## SPR-16 Selection Chart - Ordering Example

| | | |
|---|---|---|
| **SPR-16** | 1" Spool Valve | Model Code |
| **12** | ¾" Port Blocks (Stainless Steel) | Ports |
| **A12** | ¾" Body Ported (Aluminium) | |
| **16** | 1" Port Blocks (Stainless Steel) | |
| **A16** | 1" Body Ported (Aluminium) | |
| **P1** | Air Pilot (Standard) | Primary Operator |
| **P6** | Air Pilot (Low Pressure) | |
| **P16** | Air Pilot (Equalizer) | |
| | (For operating pressures, please refer to page 14) | |
| **32** | 3 Way 2 Position | Configuration |
| **NU** | Normally Universal (For the port connections table, please refer to page 14) | Configuration |
| **00** | Spring Return | Secondary Operator |
| **P1** | Air Pilot (Standard) | |
| **P6** | Air Pilot (Low Pressure) | |
| **P16** | Air Pilot (Equalizer) | |
| | (For operating pressures, please refer to page 13) | |
| **V** | Viton (Standard) (-20°C to +120°C) | O-ring Material |
| **AL** | Fluorosilicone (-60°C to +100°C) | |
| **NO LETTER** | NPT Ports | Option |
| **K6** | BSPP Ports | |
| **SPR-16-12 - P1 - 32 - NU - 00 - V - K6** | | Ordering Example |

Bespoke configured datasheets are available for specific model numbers, please contact Bifold for more information.

# SPR-16 5/2

For the dimensional drawings of the SPR valves, please see page 31.



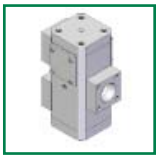
## SPR-16 Selection Chart - Ordering Example

| | | |
|---|---|---|
| **SPR-16** | 1" Spool Valve | Model Code |
| **12** | ¾" Port Blocks (Stainless Steel) | Ports |
| **A12** | ¾" Body Ported (Aluminium) | |
| **16** | 1" Port Blocks (Stainless Steel) | |
| **A16** | 1" Body Ported (Aluminium) | |
| **P1** | Air Pilot (Standard) | Primary Operator |
| **P6** | Air Pilot (Low Pressure) (For operating pressures, please refer to page 14) | |
| **P16** | Air Pilot (Equalizer) | |
| **52** | 5 Way 2 Position | Configuration |
| **XX** | 5/2 Only (For the port connections table, please refer to page 14) | Configuration |
| **00** | Spring Return | Secondary Operator |
| **P1** | Air Pilot (Standard) | |
| **P6** | Air Pilot (Low Pressure) | |
| **P16** | Air Pilot (Equalizer) | |
| **V** | Viton (Standard) (-20°C to +120°C) | O-ring Material |
| **AL** | Fluorosilicone (-60°C to +100°C) | |
| **NO LETTER** | NPT Ports | Option |
| **K6** | BSPP Ports | |
| **SPR-16-12 - P1 - 52 - XX - 00 - V - K6** | | Ordering Example |

Bespoke configured datasheets are available for specific model numbers, please contact Bifold for more information.

# PPV-32 3/2

For the dimensional drawings of the PPV valves, please see page 32 & 33.



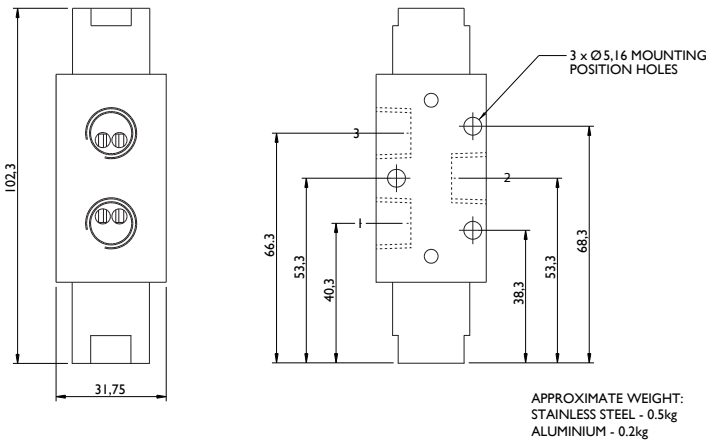
## PPV-32 Selection Chart - Ordering Example

| | | |
|---|---|---|
| **PPV-32** | 2" Pneumatic Pilot Valve | Model Code |
| **24** | 1½" NPT (Stainless Steel) | Ports |
| **A24** | 1½" NPT (Aluminium) | |
| **32** | 2" NPT (Stainless Steel) | |
| **A32** | 2" NPT (Aluminium) | |
| **P1** | Air Pilot (Standard) | Primary Operator |
| **22** | 2 Way 2 Position | Configuration |
| **32** | 3 Way 2 Position | |
| **NC** | Normally Closed (For the port connections table, please refer to page 14) | Configuration |
| **00** | Spring Return | Secondary Operator |
| **V** | Viton (Standard) (-25°C to +170°C) | O-ring Material |
| **AL** | Fluorosilicone (-60°C to +160°C) | |
| **E** | Single Exhaust | Exhaust Options |
| **EE** | Double Exhaust (Exhaust is only applicable with a 3/2 valve configuration) | |
| **EEE** | Triple Exhaust | |
| **K54** | Block After Bleed (BAB) | Configuration |
| **PPV-32-24 - P1 - 32 - NC - 00 - V - E - K54** | | Ordering Example |

Bespoke configured datasheets are available for specific model numbers, please contact Bifold for more information.

# Dimensional Drawings

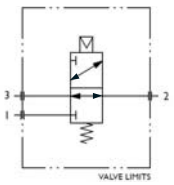
## Example Code - BXS-04-04-P1-32-NU-00-V

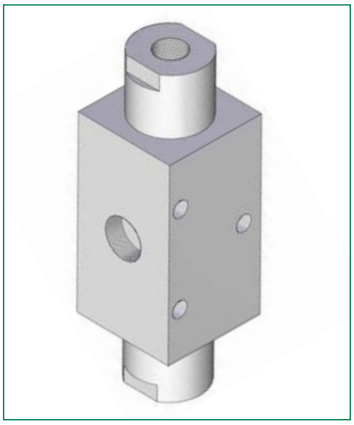



APPROXIMATE WEIGHT:
STAINLESS STEEL - 0.5kg
ALUMINIUM - 0.2kg

All dimensions in mm

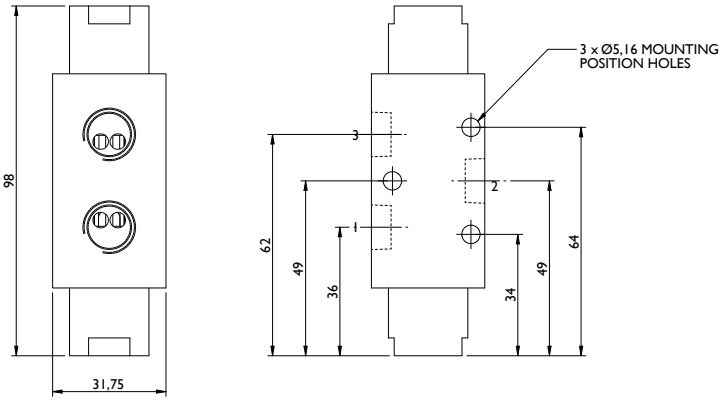
SCHEMATIC 3/2 NU



**BXS**
Pilot Valve

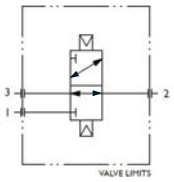
## Example Code - BXS-04-04-P1-32-NU-P1-V

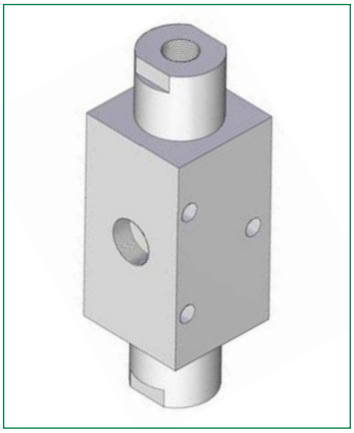



APPROXIMATE WEIGHT:
STAINLESS STEEL - 0.5kg
ALUMINIUM - 0.2kg

All dimensions in mm

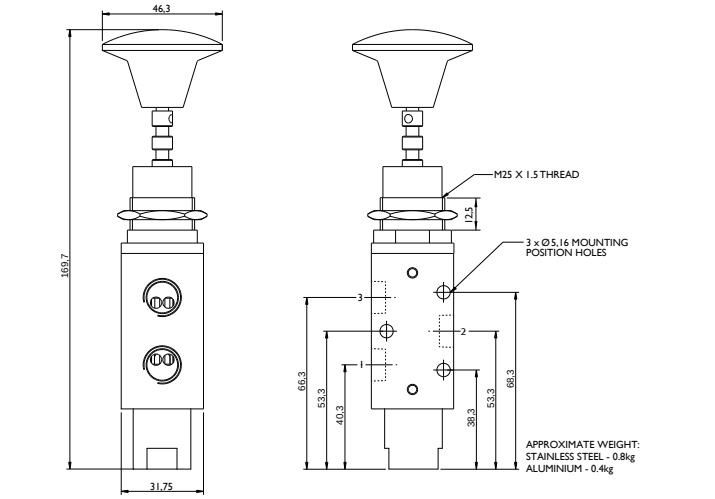
SCHEMATIC 3/2 NU



**BXS**
Pilot Valve

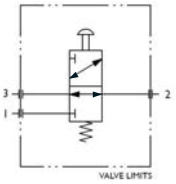
## Example Code - BXS-04-04-M1-32-NU-00-V

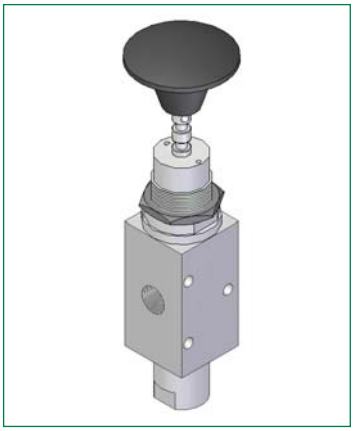



APPROXIMATE WEIGHT:
STAINLESS STEEL - 0.8kg
ALUMINIUM - 0.4kg

All dimensions in mm

SCHEMATIC 3/2 NU

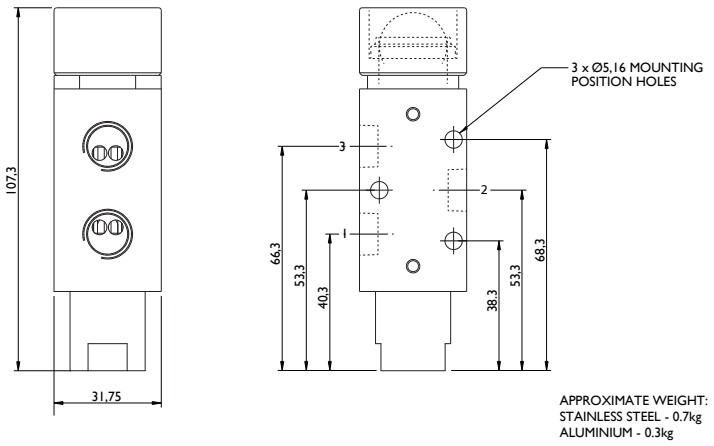


**BXS**
Mechanical Valve

# Dimensional Drawings

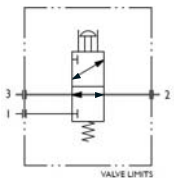
## Example Code - BXS-04-04-M2-32-NU-00-V

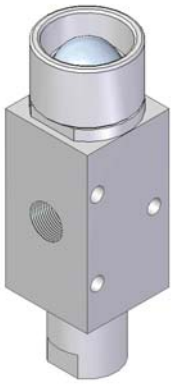



APPROXIMATE WEIGHT:
STAINLESS STEEL - 0.7kg
ALUMINIUM - 0.3kg

All dimensions in mm

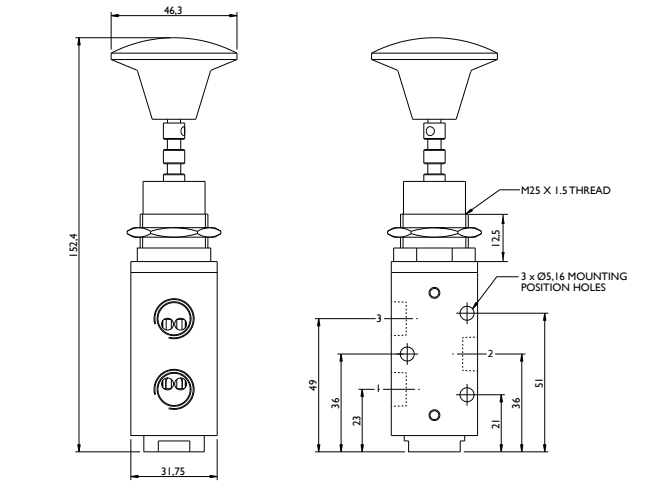
**SCHEMATIC 3/2 NU**



**BXS**
Mechanical Valve

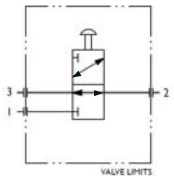
## Example Code - BXS-04-04-M3-32-NU-04-V

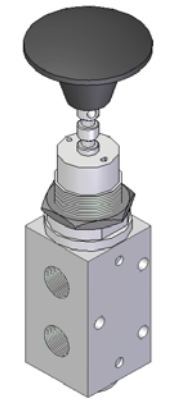



APPROXIMATE WEIGHT:
STAINLESS STEEL - 0.8kg
ALUMINIUM - 0.4kg

All dimensions in mm

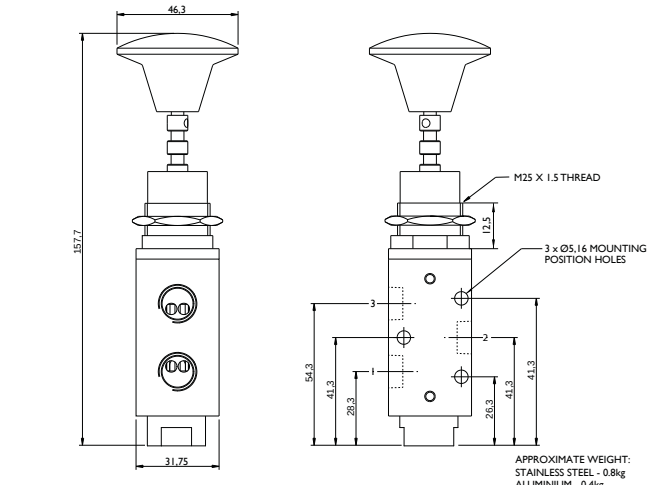
**SCHEMATIC 3/2 NU**



**BXS**
Mechanical Valve

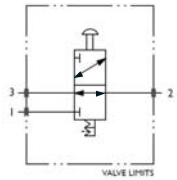
## Example Code - BXS-04-04-M3-32-NU-05-V-K54

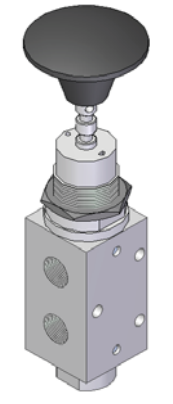



APPROXIMATE WEIGHT:
STAINLESS STEEL - 0.8kg
ALUMINIUM - 0.4kg

All dimensions in mm

**SCHEMATIC 3/2 NU**

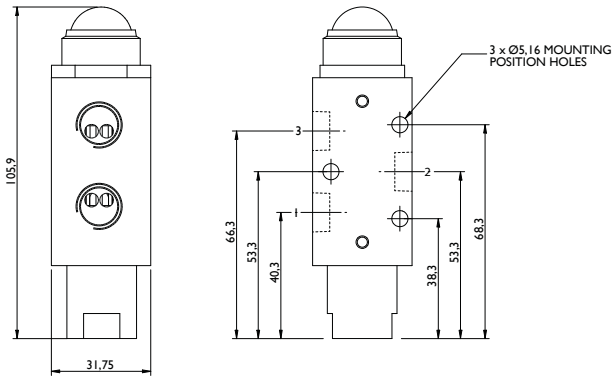


**BXS**
Mechanical Valve

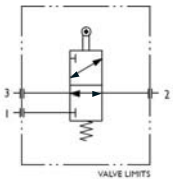
# Dimensional Drawings

## Example Code - BXS-04-04-M13-32-NU-00-V



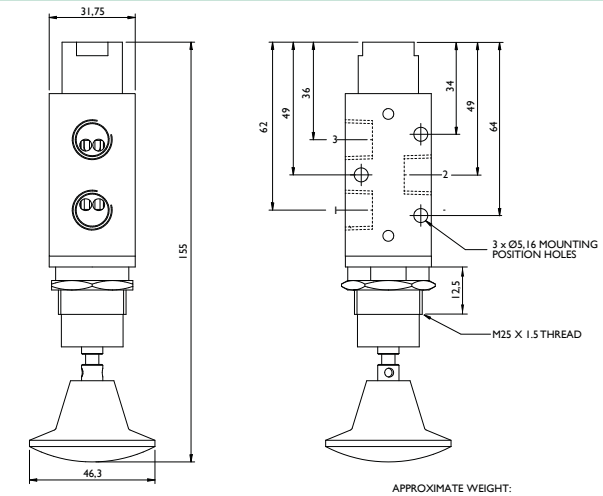

All dimensions in mm

SCHEMATIC 3/2 NU



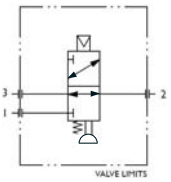

**BXS**
Mechanical Valve

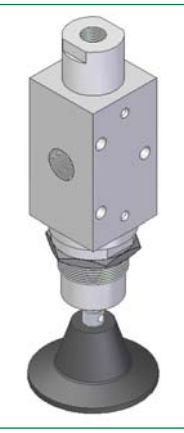
## Example Code - BXS-04-04-P1-32-NU-M15-V-K54




All dimensions in mm

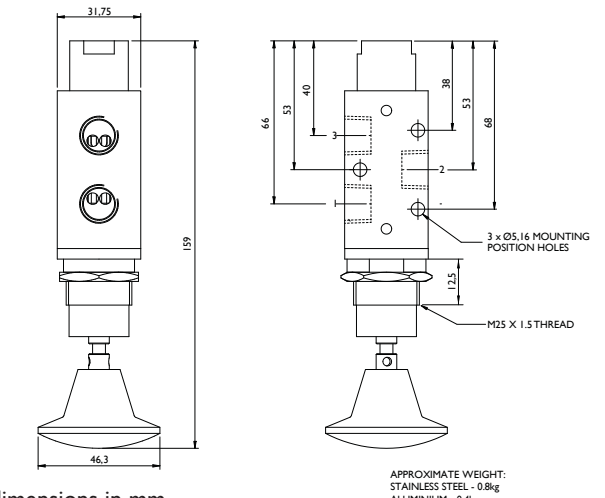
SCHEMATIC 3/2 NU



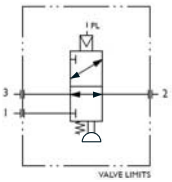
**BXS**
Reset Valve

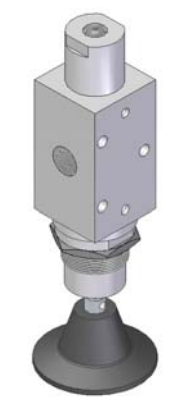
## Example Code - BXS-04-04-P9-32-NU-M15-V-K54




All dimensions in mm

SCHEMATIC 3/2 NU

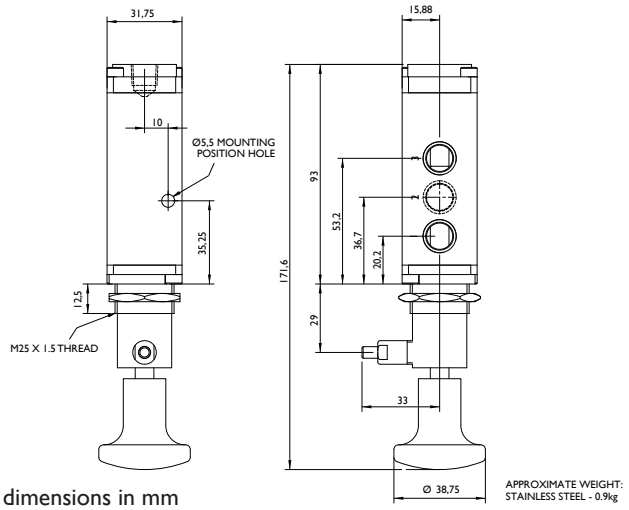


**BXS**
Reset Valve

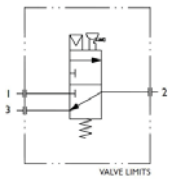
# Dimensional Drawing

## Example Code - SJJE06-P9-32-NC-M16-K54




All dimensions in mm

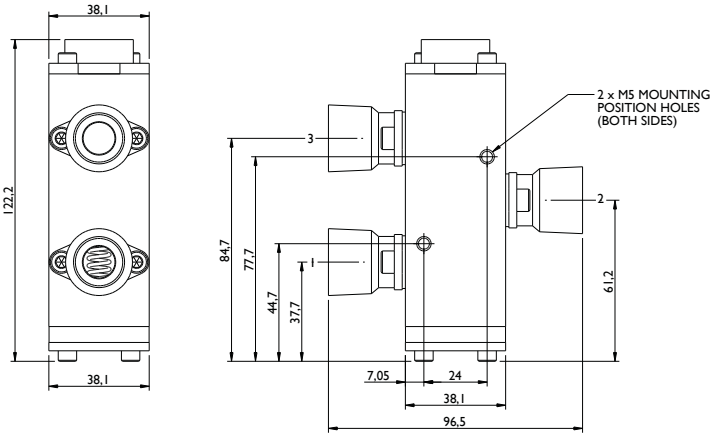
**SCHEMATIC 3/2 NC**




**SJJE06**
**Reset Valve**

# Dimensional Drawings

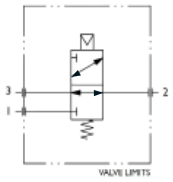
## Example Code - SPR-08-08-P1-32-NU-00-V

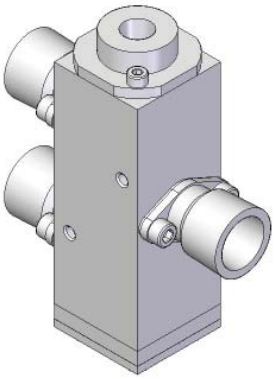



APPROXIMATE WEIGHT: STAINLESS STEEL - 1.2kg

All dimensions in mm

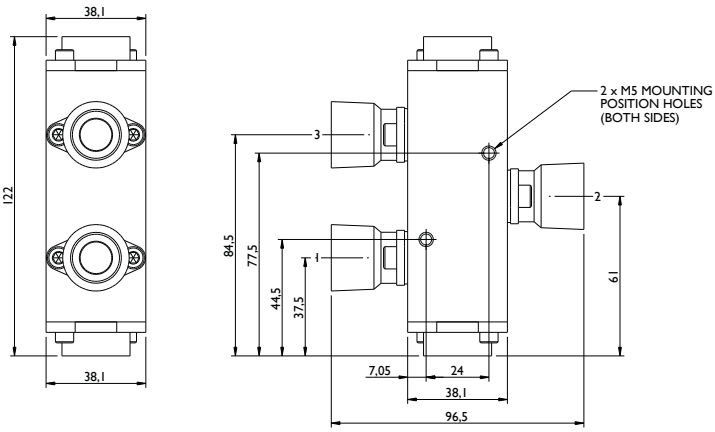
SCHEMATIC 3/2 NU



**SPR**
High Flow Pilot Valve

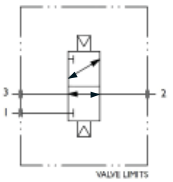
## Example Code - SPR-08-08-P1-32-NU-P1-V

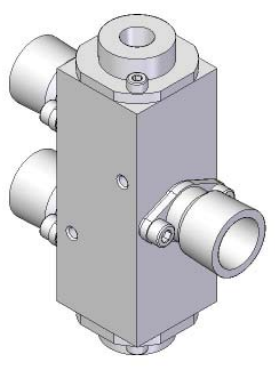



APPROXIMATE WEIGHT: STAINLESS STEEL - 1.1kg

All dimensions in mm

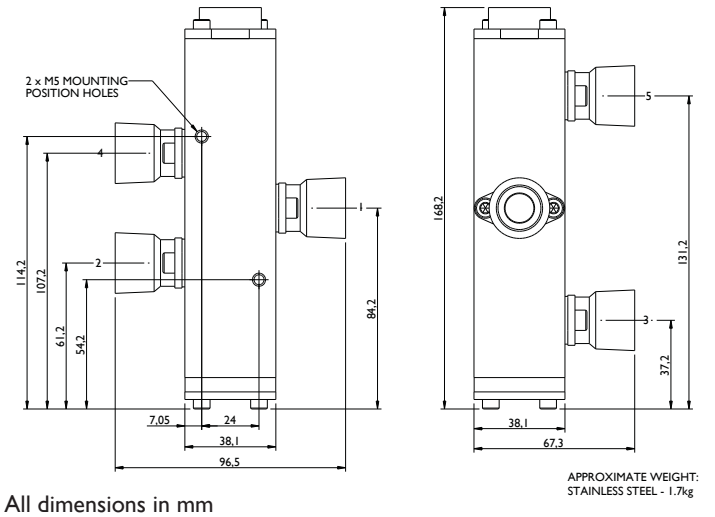
SCHEMATIC 3/2 NU



**SPR**
High Flow Pilot Valve

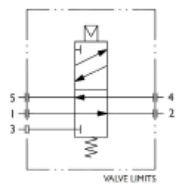
## Example Code - SPR-08-08-P1-52-XX-00-V

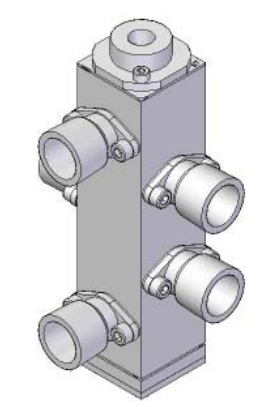



APPROXIMATE WEIGHT: STAINLESS STEEL - 1.7kg

All dimensions in mm

SCHEMATIC 5/2

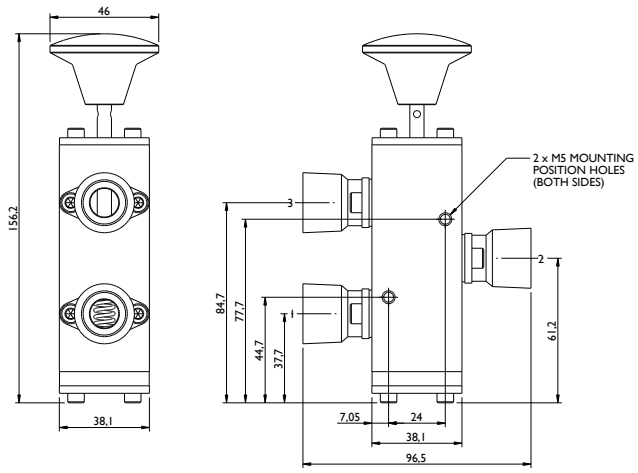


**SPR**
High Flow Pilot Valve

# Dimensional Drawings

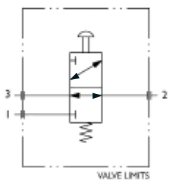
## Example Code - SPR-08-08-M1-32-NU-00-V

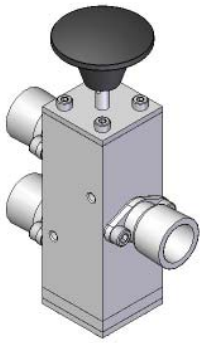



All dimensions in mm

APPROXIMATE WEIGHT:
STAINLESS STEEL - 1.3kg

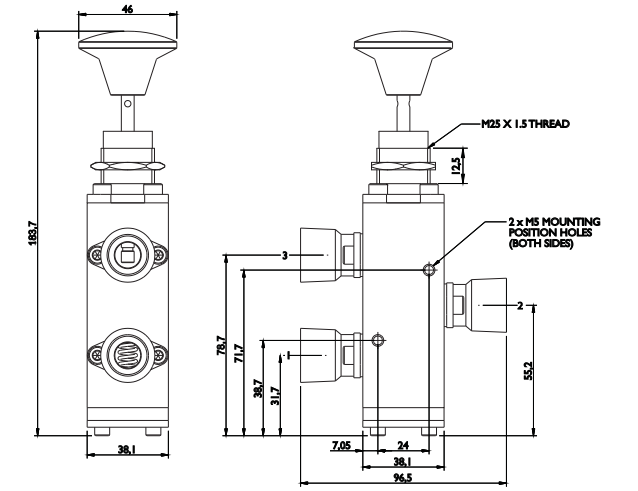
SCHEMATIC 3/2 NU



**SPR**
High Flow Mechanical Valve

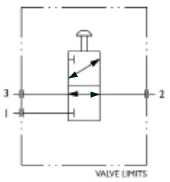
## Example Code - SPR-08-08-M3-32-NU-04-V

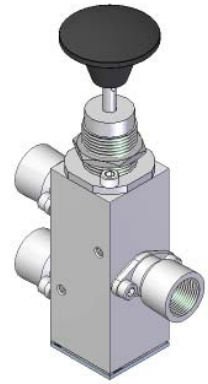



All dimensions in mm

APPROXIMATE WEIGHT:
STAINLESS STEEL - 1.5kg

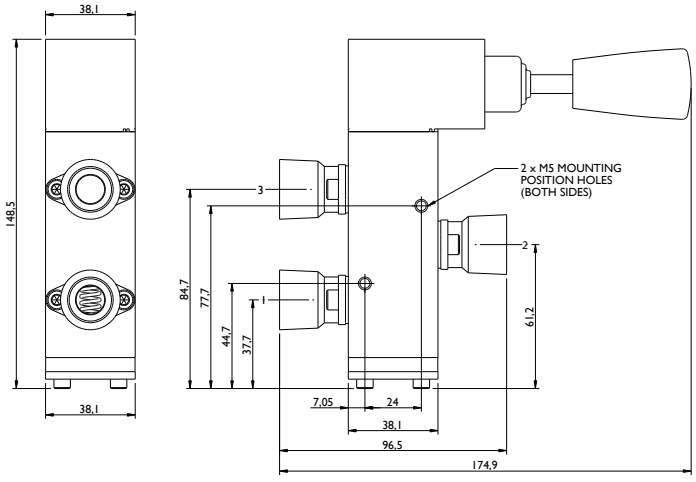
SCHEMATIC 3/2 NU



**SPR**
High Flow Mechanical Valve

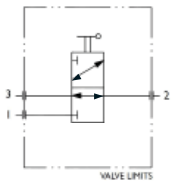
## Example Code - SPR-08-08-M6-32-NU-04-V

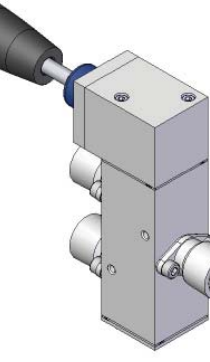



All dimensions in mm

APPROXIMATE WEIGHT:
STAINLESS STEEL - 1.9kg

SCHEMATIC 3/2 NU

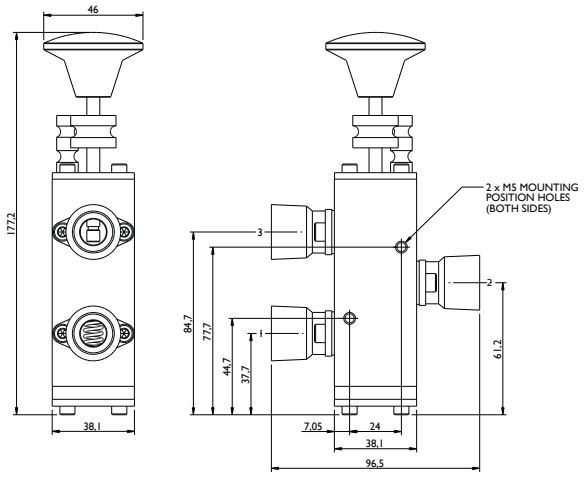


**SPR**
High Flow Mechanical Valve

# Dimensional Drawings

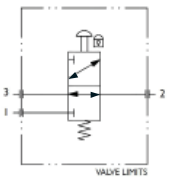
## Example Code - SPR-08-08-M9/1-32-NU-00-V

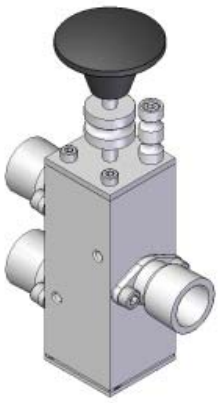



All dimensions in mm

APPROXIMATE WEIGHT: STAINLESS STEEL - 1.4kg

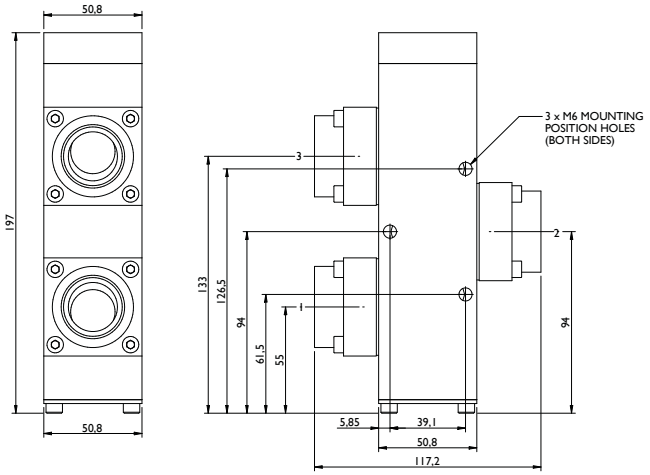
SCHEMATIC 3/2 NU



**SPR**
High Flow Pilot Valve

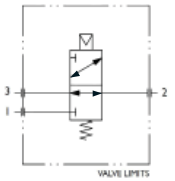
## Example Code - SPR-16-16-P1-32-NU-00-V

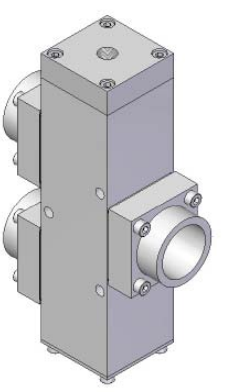



All dimensions in mm

APPROXIMATE WEIGHT: STAINLESS STEEL - 5.0kg

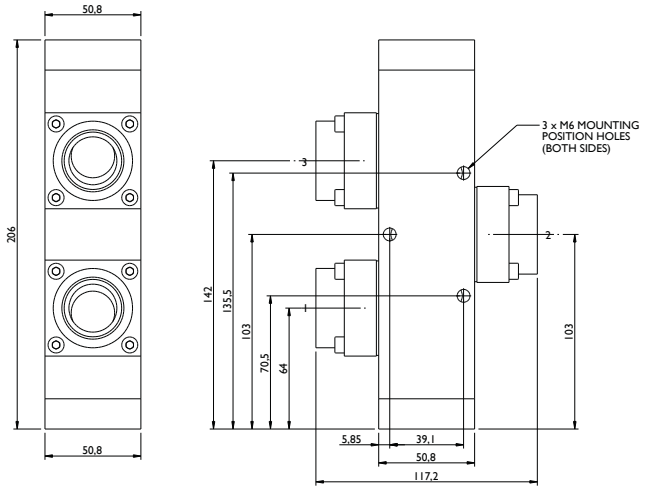
SCHEMATIC 3/2 NU



**SPR**
High Flow Pilot Valve

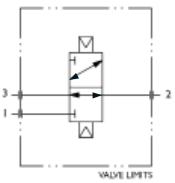
## Example Code - SPR-16-16-P1-32-NU-P1-V

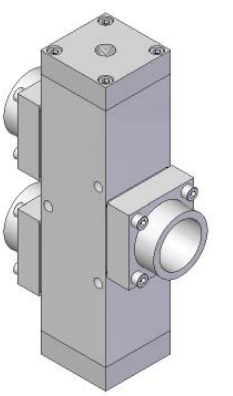



All dimensions in mm

APPROXIMATE WEIGHT: STAINLESS STEEL - 5.2kg

SCHEMATIC 3/2 NU

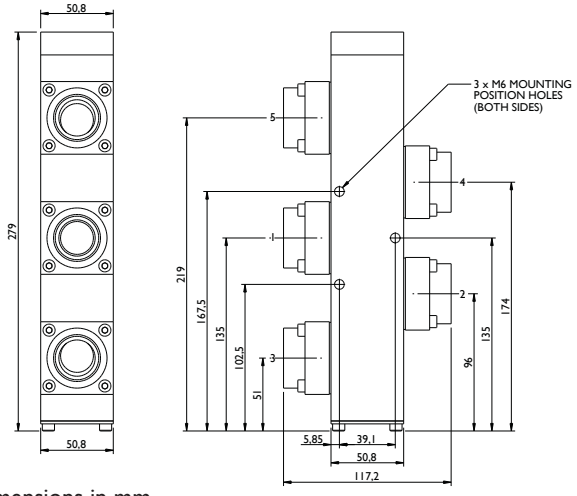


**SPR**
High Flow Pilot Valve

# Dimensional Drawings

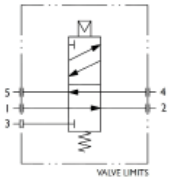
## Example Code - SPR-16-16-P1-52-XX-00-V

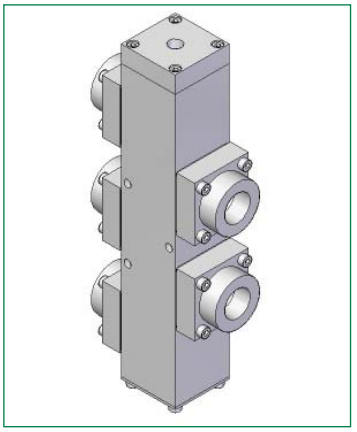



All dimensions in mm

APPROXIMATE WEIGHT:
STAINLESS STEEL - 7.3kg

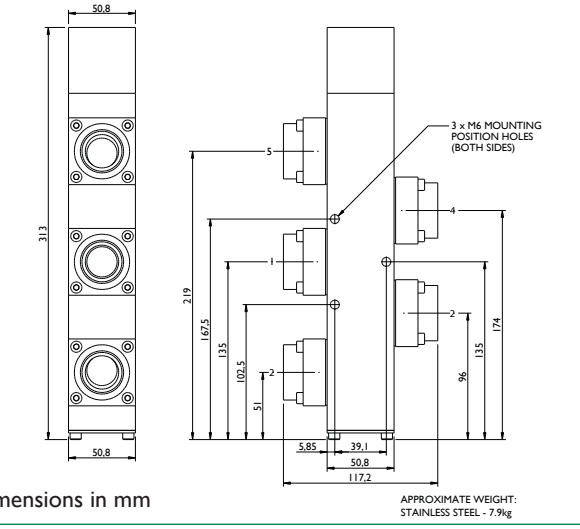
SCHEMATIC 5/2



**FP06P**
**Auto Reset**

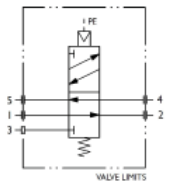
## Example Code - SPR-16-16-P16-52-XX-00-V

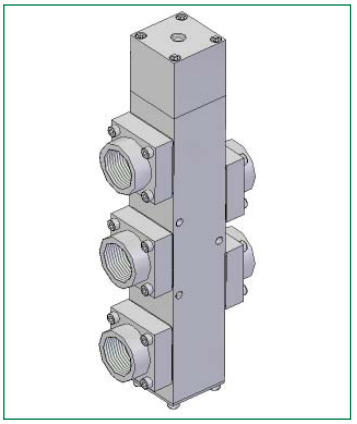



All dimensions in mm

APPROXIMATE WEIGHT:
STAINLESS STEEL - 7.9kg

SCHEMATIC 5/2

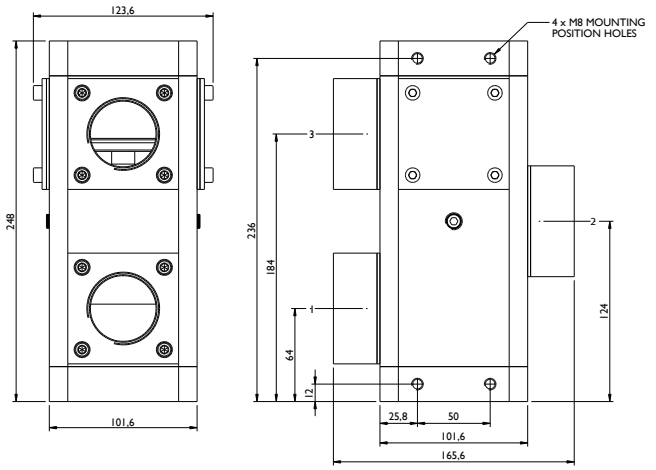


**SPR**
**High Flow Pilot Valve**

# Dimensional Drawings

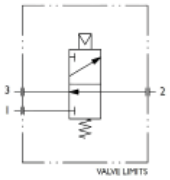
## Example Code - PPV-32-24-P1-32-NC-00-V-E-K54

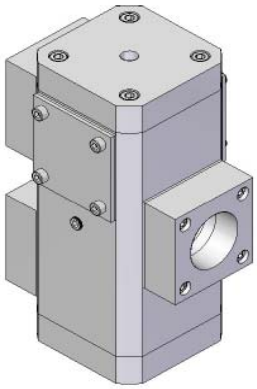



All dimensions in mm

APPROXIMATE WEIGHT:
STAINLESS STEEL - 16.7kg

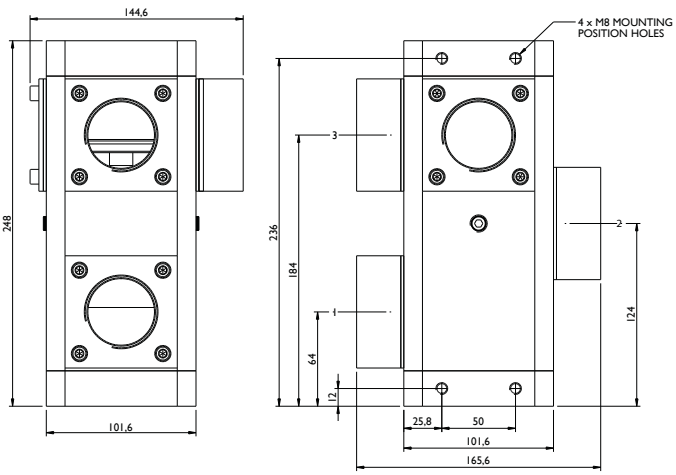
SCHEMATIC 3/2 NC



**FP06P**
Auto Reset

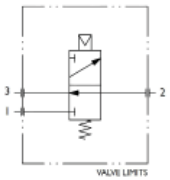
## Example Code - PPV-32-24-P1-32-NC-00-V-EE-K54

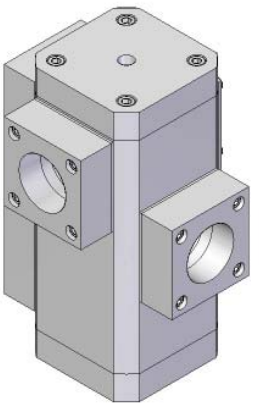



All dimensions in mm

APPROXIMATE WEIGHT:
STAINLESS STEEL - 17.7kg

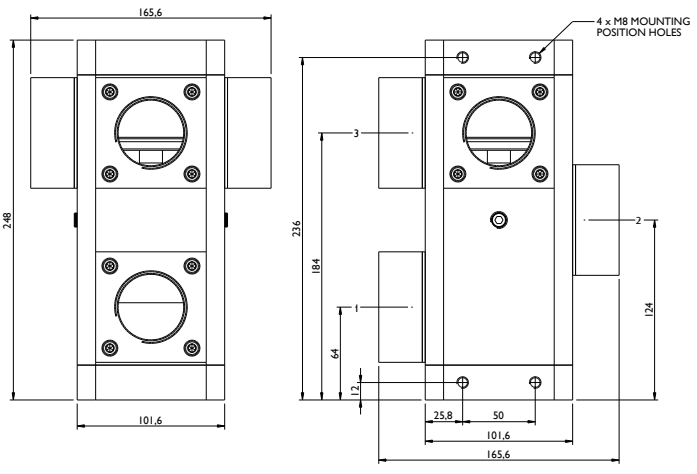
SCHEMATIC 3/2 NC



**FP06P**
Auto Reset

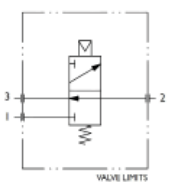
## Example Code - PPV-32-24-P1-32-NC-00-V-EEE-K54

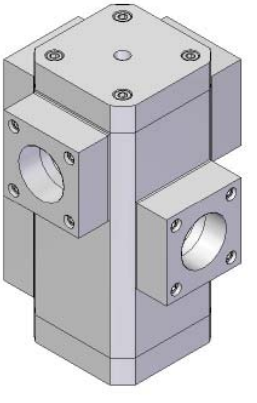



All dimensions in mm

APPROXIMATE WEIGHT:
STAINLESS STEEL - 18.4kg

SCHEMATIC 3/2 NC

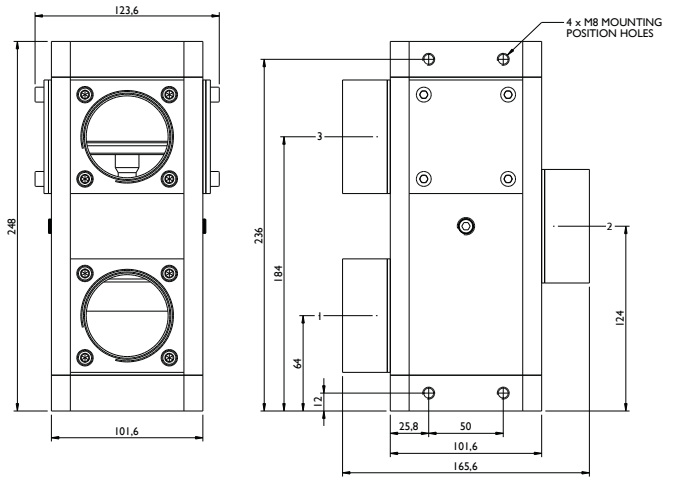


**FP06P**
Auto Reset

# Dimensional Drawings

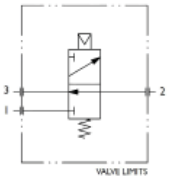
## Example Code - PPV-32-32-P1-32-NC-00-V-E-K54

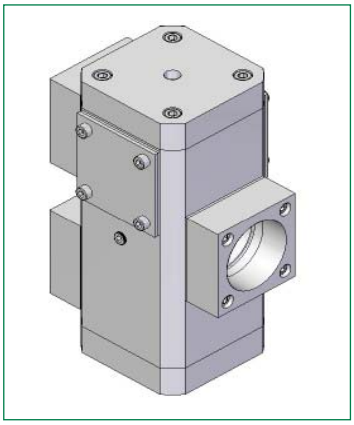



All dimensions in mm

APPROXIMATE WEIGHT: STAINLESS STEEL - 16.0kg

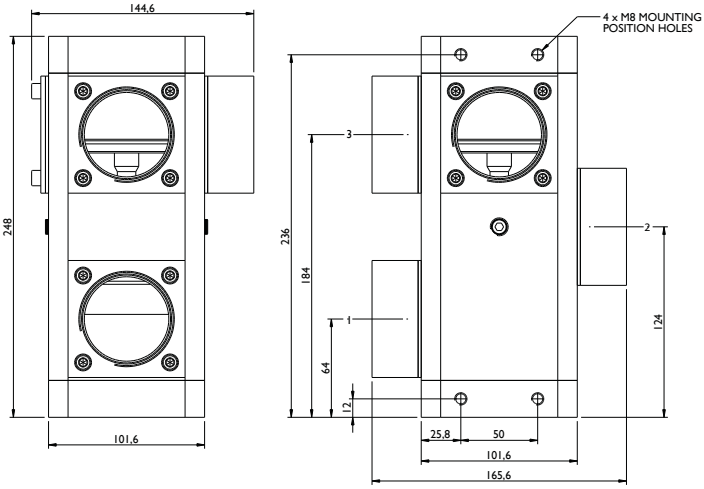
**SCHEMATIC 3/2 NC**



**FP06P**
**Auto Reset**

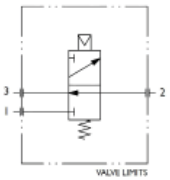
## Example Code - PPV-32-32-P1-32-NC-00-V-EE-K54

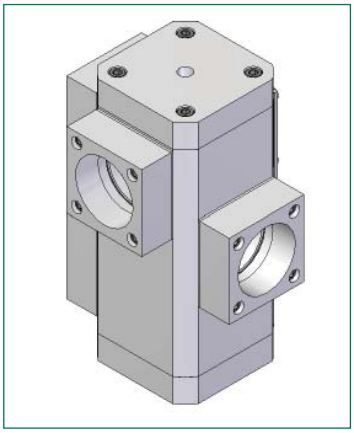



All dimensions in mm

APPROXIMATE WEIGHT: STAINLESS STEEL - 16.6kg

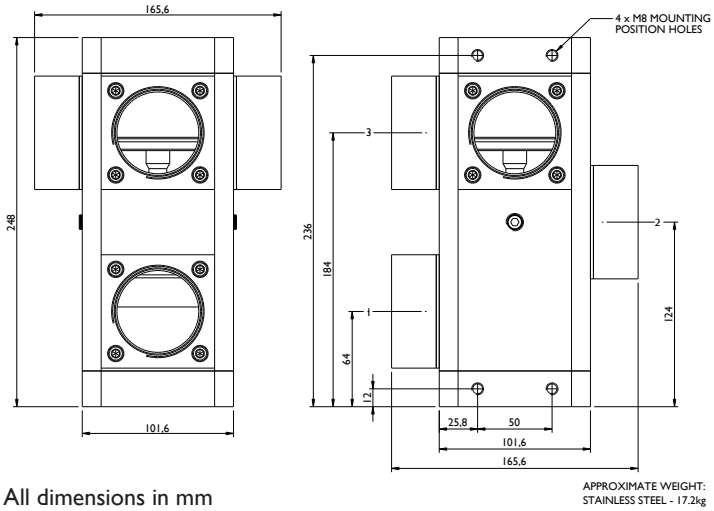
**SCHEMATIC 3/2 NC**



**FP06P**
**Auto Reset**

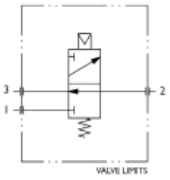
## Example Code - PPV-32-32-P1-32-NC-00-V-EEE-K54

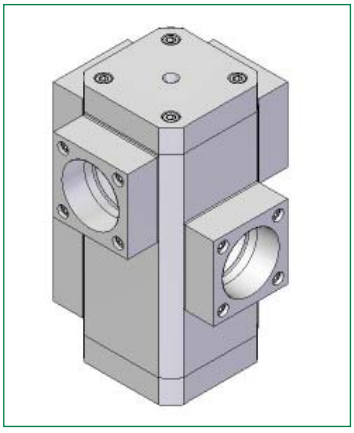



All dimensions in mm

APPROXIMATE WEIGHT: STAINLESS STEEL - 17.2kg

**SCHEMATIC 3/2 NC**

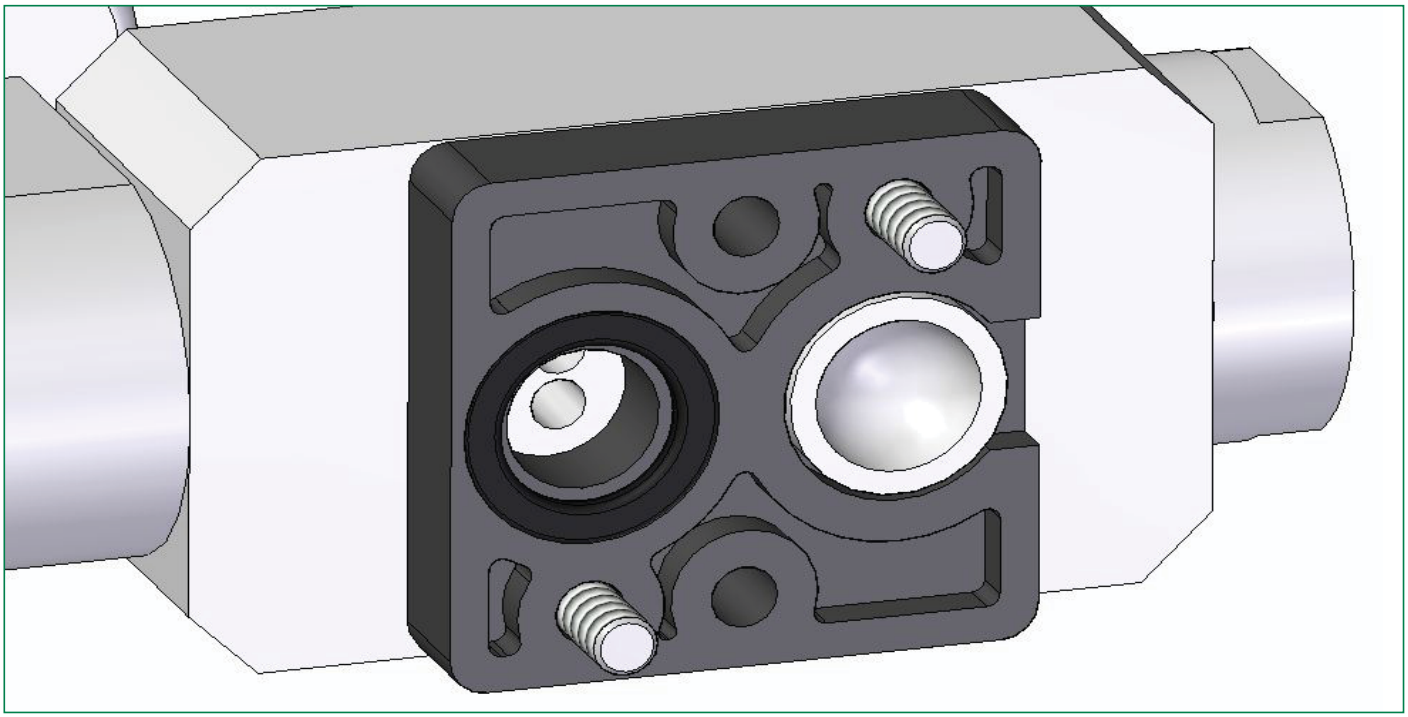


**FP06P**
**Auto Reset**

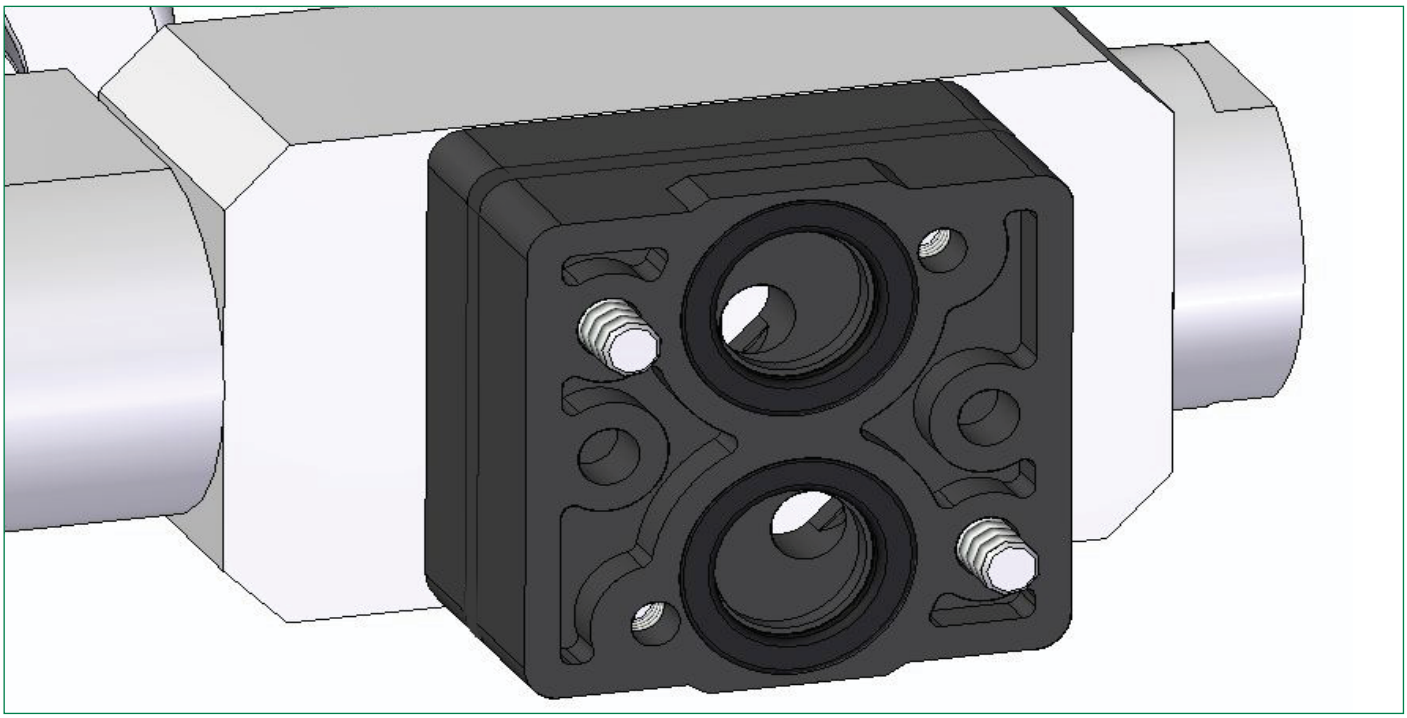
## Block Options

### Supplied as Standard for use with: BXS-04-N4.., & BXS-04-AN4..Valves



### Mounting Configuration:

3 Way 2 Position



### Mounting Configuration with Filter Regulator Module:

3 Way 2 Position with 90° rotation

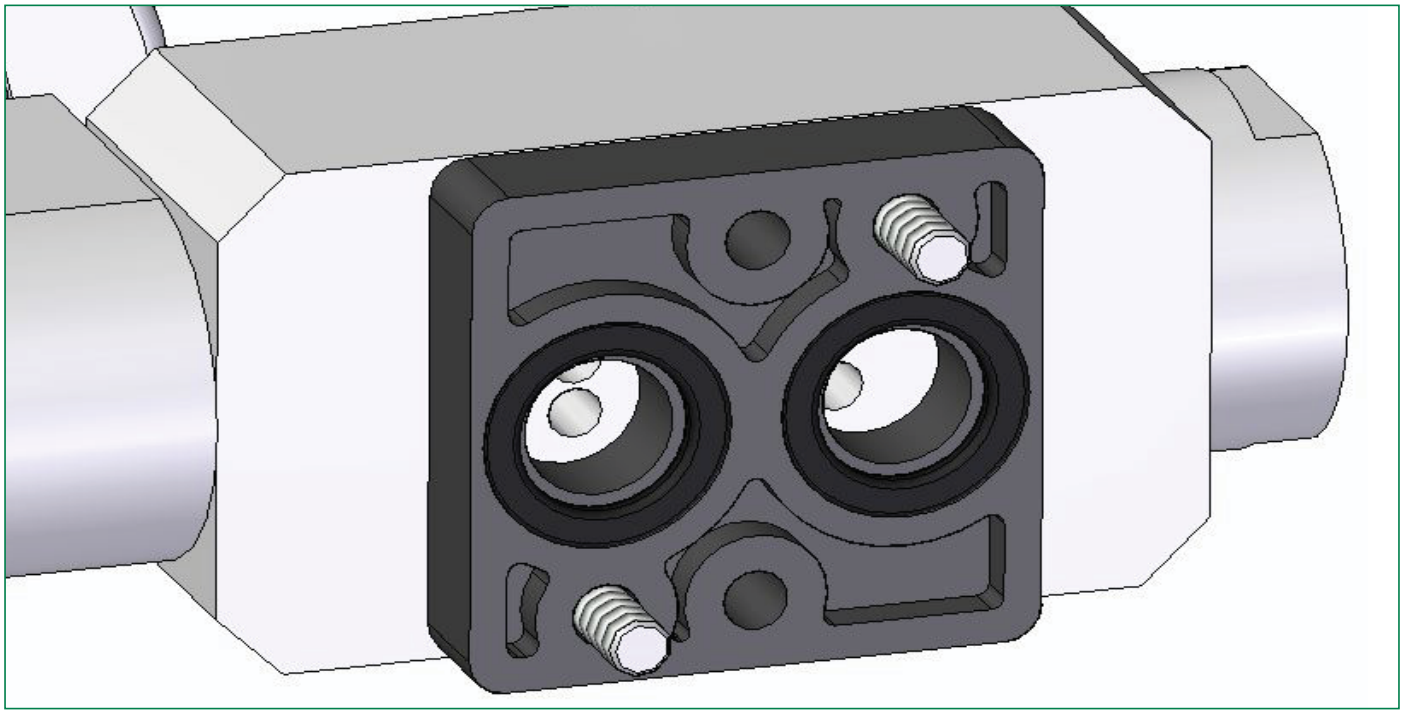


**Accuracy of information**
We take care to ensure that product information in this catalogue is reasonably accurate and up-to-date. However, our products are continually developed and updated so to ensure accurate and up-to-date information please refer to the product catalogue issue list on our web site or contact a member of our sales team.

When selecting a product, the applicable operating system design must be considered to ensure safe use. The products function, material compatibility, adequate ratings, correct installation, operation and maintenance are the responsibilities of the system designer and user.

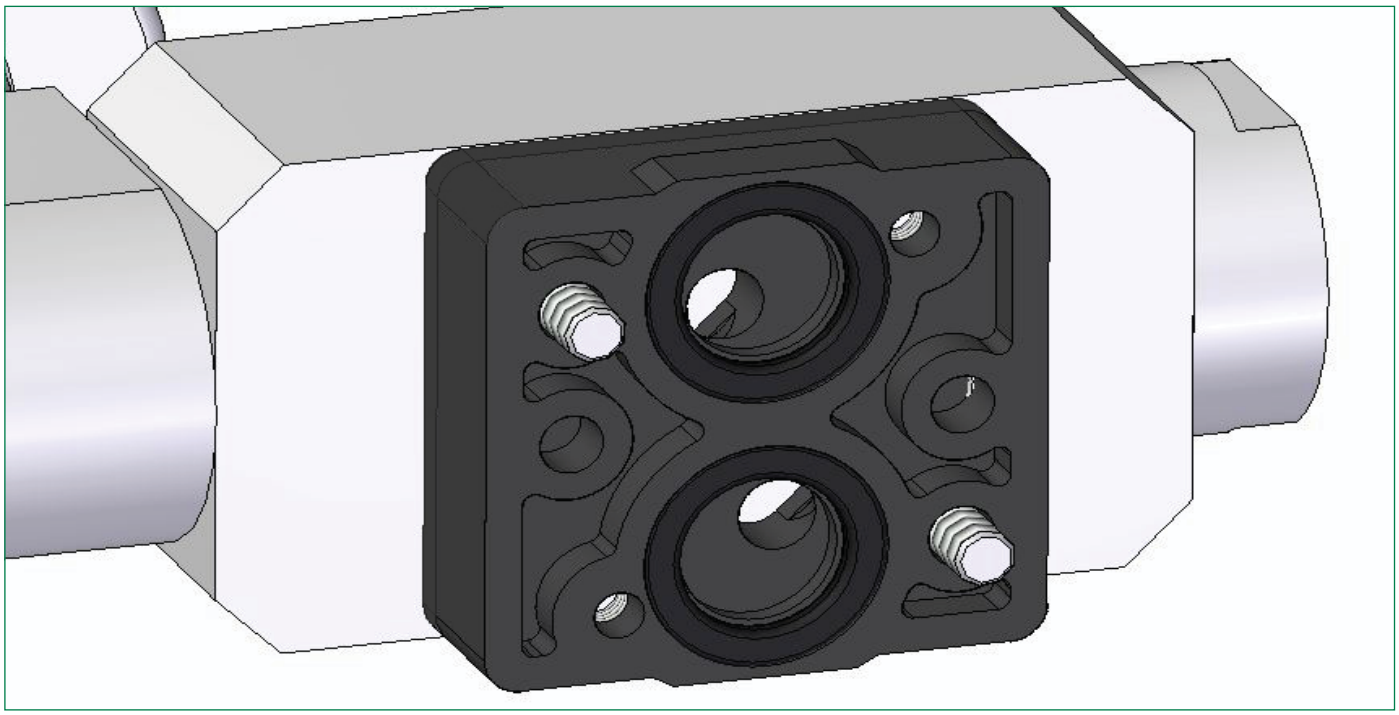
**Quality Assurance**
All Bifold products are manufactured to a most stringent QA programme to ensure that every product will give optimum performance and reliability. We are third party certified to BS EN ISO 9001:2008. Functional test certificate, letter of conformity and copies of original mill certificates, providing total traceability are available on request, to BS EN 10204 3.1 where available. We reserve the right to make changes to the specifications and design etc., without prior notice.

## Block Options



### Mounting Configuration:

5 Way 2 Position & 5 Way 3 Position & 5 Way 3 Position



### Mounting Configuration with Filter Regulator Module:

5 Way 2 Position with 90° rotation, 5 Way 3 Position with 90° rotation

# Instrument, Process, Directional Control Valves, Pumps and Actuator Electronic Control and Positioning

Bifold® Group

## Pneumatic and Instrumentation Valves

## Hydraulic Valves

## Subsea Valves

## Hydraulic Pumps, Intensifiers and Valves

## Actuator Electronic Control and Positioning

Bifold®

Bifold FluidPower®

Bifold® Subsea

Bifold® Marshalsea

Bifold® Orange™

**Accuracy of Information**
We take care to ensure that product information in this catalogue is reasonably accurate and up-to-date. However, our products are continually developed and updated so to ensure accurate and up-to-date information please refer to the product catalogue issue list on our web site or contact a member of our sales team.

**Quality Assurance**
All Bifold products are manufactured to a most stringent QA programme. Every care is taken at all stages of manufacture to ensure that every product will give optimum performance and reliability. We are third party certified to BS EN ISO 9001:2008. Functional test certificate, letter of conformity and copies of original mill certificates, providing total traceability are available on request to BS EN 10204 3.1 where available. We reserve the right to make changes to the specifications and design etc., without prior notice.

When selecting a product, the applicable operating system design must be considered to ensure safe use. The products function, material compatibility, adequate ratings, correct installation, operation, and maintenance are the responsibilities of the system designer and user.


**Bifold, Bifold Fluidpower, Bifold Subsea, Marshalsea Hydraulics and Bifold Orange are all members of the Bifold Group.**

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