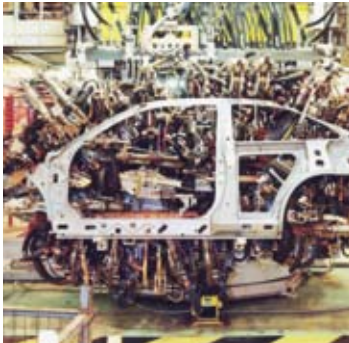




aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



Midget & Intermediate Manual and Mechanical Valves


G1/8 - G1/4 body ported

Catalogue PDE2623TCUK. Edition August 09




ENGINEERING YOUR SUCCESS.


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Important !
 Before carrying out any service work, ensure that the valve and manifold have been vented. Remove the primary supply air hose to ensure total disconnection of the air supply before dismantling valves or blank connection blocks.



NB !
 All technical data in this catalogue is typical only. The air quality is decisive for the valve life: see ISO 8573.



WARNING

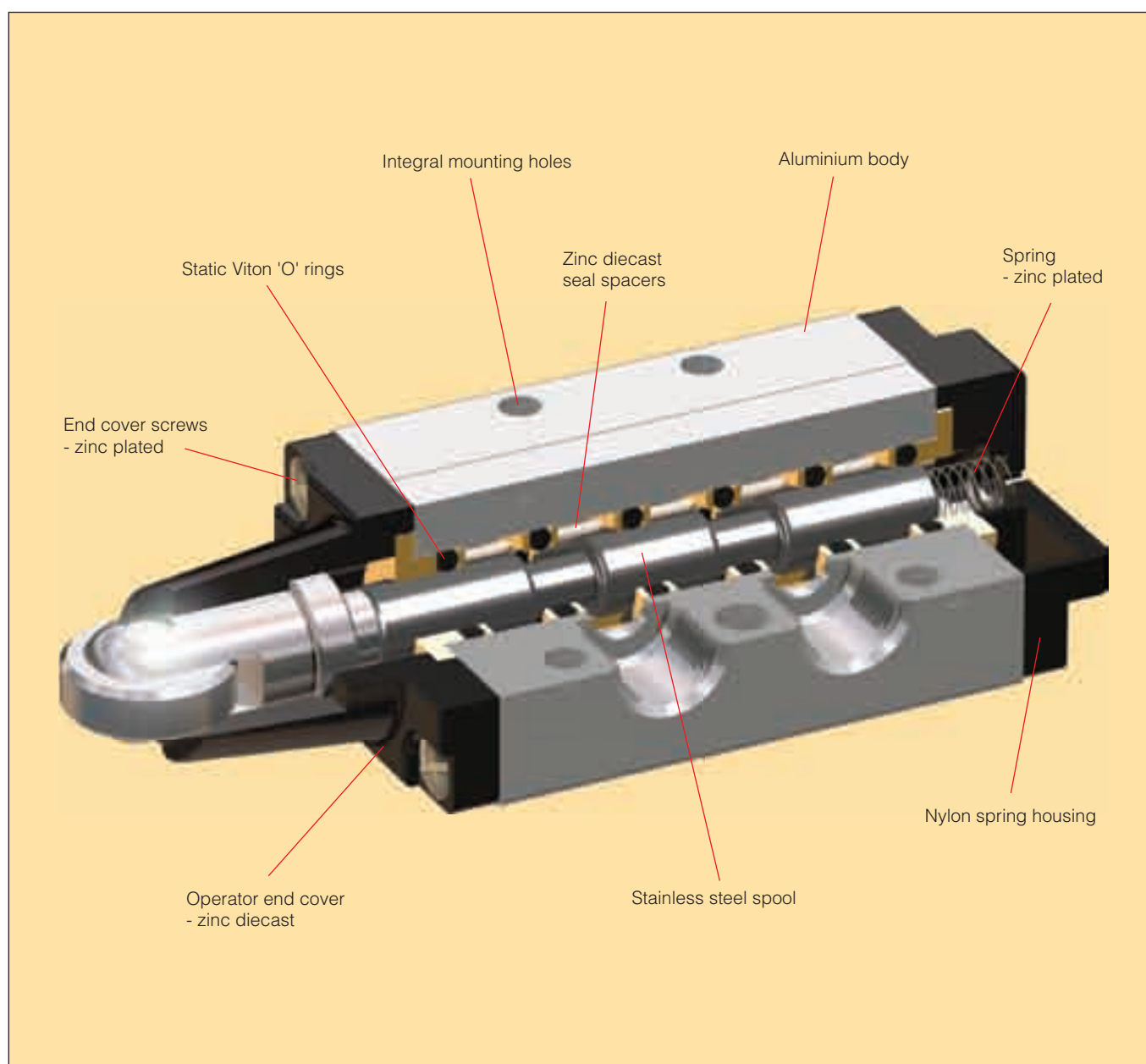
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Marketing Applications

- Manufacturing
- Packaging
- General Automation



Midget & Intermediate Manual and Mechanical Valves

Midget / Intermediate G1/8 & G1/4 Control Valves

The compact design of these valves make them a popular choice for manual or mechanical operation and their modular construction permit different operators to be fitted to the actuator and return assemblies.

Wide application range

The Midget and Intermediate valves are designed to have balanced forces across the spool so that 3/2 valves can be piped normally open or normally closed by changing the inlet supply from port 1 to port 3. Because forces across the spool are balanced 5/2 valves can also be piped in different ways to suit applications which require different pressures through the same valve. For example when a cylinder needs to advance with low force (pressure) to avoid bruising a component and retracts with normal pressure.

Fast operating speeds

The G1/8 Midget valve has a short travel and lightweight spool so that high operating speeds are possible. These valves have been tested at over 3000 cycles per minute.

Working medium, air quality

Working medium: Dry, filtered compressed air to ISO 8573-1 class 3.4.3.

Recommended air quality for valves

For best possible service life and trouble free operation, ISO 8573-1 quality class 3.4.3 should be used. This means 5µm filter (standard filter) dew point +3°C for indoor operation (a lower dew point should be selected for outdoor operation) and oil concentration 1.0 mg oil/m³, which is what a standard compressor with a standard filter gives.

High reliability

Valves easily comply with the requirements for the EU Machinery Directive standards EN292-2 and EN983. The bodies of the Midget and Intermediate valves are manufactured from aluminium with stainless steel spool, sealed by static viton 'O' rings. All operating parts exposed to the working fluid are of non-corrosive material and all ports threaded G1/8 or G1/4. The valves are designed to give long trouble free service life when used with or without lubrication.

Modular construction

The modular construction of the valves allows any of the actuators to be spring return or air pilot return. Roller versions are designed to give a common height on both 3/2 and 5/2 valves to ensure uniformity and efficiency in a multi-valve assembly.

Maintenance

These valves can be serviced without disturbing the pipe-work simply by unscrewing the actuator and return assemblies and then removing the spool and 'O' ring assembly.

ISO 8573-1 quality classes

| Quality class | Pollution | | Water max. press. dew point (°C) | Oil max. concentration (mg/m ³) |
|---------------|--------------------|---|----------------------------------|---|
| | particle size (µm) | max. concentration (mg/m ³) | | |
| 1 | 0,1 | 0,1 | -70 | 0,01 |
| 2 | 1 | 1 | -40 | 0,1 |
| 3 | 5 | 5 | -20 | 1,0 |
| 4 | 15 | 8 | +3 | 5,0 |
| 5 | 40 | 10 | +7 | 25 |
| 6 | - | - | +10 | - |

Material specification

| | |
|------------------|-----------------|
| Valve body | Aluminium |
| Spool | Stainless steel |
| Seal spacers | Zinc die cast |
| Seals | Viton |
| Spring housing | Nylon |
| Spring | Zinc plated |
| End covers | Zinc die cast |
| Actuators | Zinc die cast |
| End cover screws | Zinc plated |

Technical information

| | |
|-------------------------|------------------|
| Type | Spool valves |
| Style | Body ported |
| Port size | G1/8 & G1/4 |
| Mounting | Any plane |
| Pressure range | Vacuum to 10 bar |
| Temperature range | -10°C to +80°C |
| Flow acc. (to ISO 6358) | |

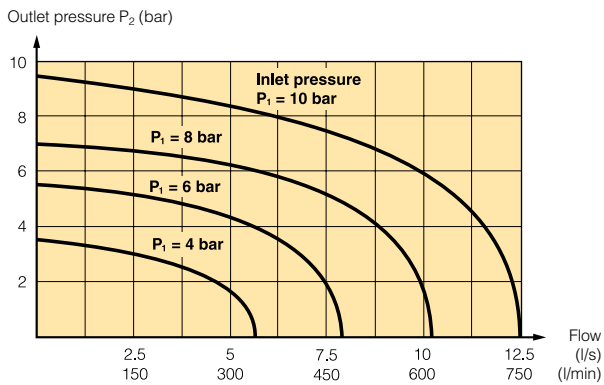
Midget B43 series Intermediate B53 series

| | |
|---|---|
| $c = 1.13 \text{ NI/s} \times \text{bar}$ | $c = 3.69 \text{ NI/s} \times \text{bar}$ |
| $b = 0.36$ | $b = 0.33$ |
| $Q_n = 5.5 \text{ l/s}$ | $Q_n = 17.5 \text{ l/s}$ |
| $Q_{max} = 9.0 \text{ l/s}$ | $Q_{max} = 29 \text{ l/s}$ |
| $C_v = 0.24$ | $C_v = 1.02$ |

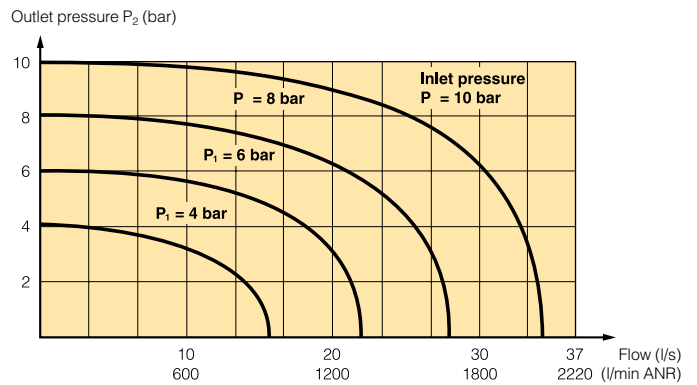
Flow characteristics

Flow capacities in accordance with ISO 6358
The flow curves shown below are typical.

Midget B43 series valves

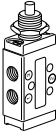


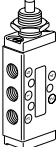


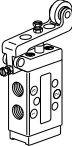


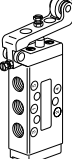


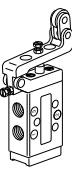


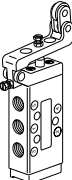




Intermediate B53 series valves











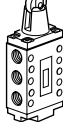




Midget mechanically operated valves, B43 series

| | Symbol | Type | Actuator | Return | Operating force at 6 bar, N | Size | Weight Kg | Order code |
|---|---|------|----------------------|--------|-----------------------------|------|-----------|------------------|
|  |  | 3/2 | Plunger | Spring | 36 | G1/8 | 0,182 | B43003CS |
| |  | 3/2 | Plunger | Air | 14 | G1/8 | 0,202 | B43003CP |
|  |  | 5/2 | Plunger | Spring | 36 | G1/8 | 0,222 | B43004CS |
| |  | 5/2 | Plunger | Air | 14 | G1/8 | 0,242 | B43004CP |
|  |  | 3/2 | Roller Lever | Spring | 20 | G1/8 | 0,234 | B43003RS |
| |  | 3/2 | Roller lever | Air | 7 | G1/8 | 0,254 | B43003RP |
|  |  | 5/2 | Roller Lever | Spring | 20 | G1/8 | 0,274 | B43004RS |
| |  | 5/2 | Roller lever | Air | 7 | G1/8 | 0,294 | B43004RP |
|  |  | 3/2 | One way roller lever | Spring | 20 | G1/8 | 0,274 | B43003RTS |
| |  | 3/2 | One way roller lever | Air | 7 | G1/8 | 0,294 | B43003RTP |
|  |  | 5/2 | One way roller lever | Spring | 20 | G1/8 | 0,314 | B43004RTS |
| |  | 5/2 | One way roller lever | Air | 7 | G1/8 | 0,334 | B43004RTP |




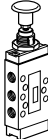





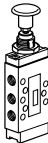




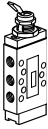





 Indicates stocked product.

Intermediate mechanically operated valves, B53 series

| | Symbol | Type | Actuator | Return | Operating force at 6 bar, N | Size | Weight Kg | Order code |
|--|--|------|----------|--------|-----------------------------|------|-----------|-----------------|
|  |  | 3/2 | Plunger | Spring | 53 | G1/4 | 0,348 | B53003CS |
| |  | 3/2 | Plunger | Air | 27 | G1/4 | 0,388 | B53003CP |
|  |  | 5/2 | Plunger | Spring | 53 | G1/4 | 0,478 | B53004CS |
| |  | 5/2 | Plunger | Air | 27 | G1/4 | 0,518 | B53004CP |
|  |  | 3/2 | Roller | Spring | 53 | G1/4 | 0,350 | B53003RS |
| |  | 3/2 | Roller | Air | 27 | G1/4 | 0,390 | B53003RP |
|  |  | 5/2 | Roller | Spring | 53 | G1/4 | 0,480 | B53004RS |
| |  | 5/2 | Roller | Air | 27 | G1/4 | 0,520 | B53004RP |

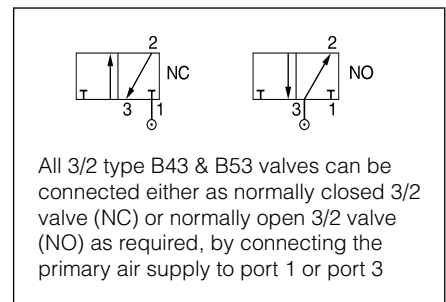
 Indicates stocked product.

Midget manually operated valves, B43 series

| | Symbol | Type | Actuator | Return | Operating force at 6 bar, N | Size | Weight Kg | Order code |
|---|---|------|-----------------|---------------|-----------------------------|------|-----------|------------------|
|  |  | 3/2 | Button, black | Spring | 36 | G1/8 | 0,200 | B43003BXS |
| |  | 3/2 | Button, black | Button | 13 | G1/8 | 0,200 | B43003HXS |
|  |  | 5/2 | Button, black | Spring | 36 | G1/8 | 0,240 | B43004BXS |
| |  | 5/2 | Button, black | Button | 13 | G1/8 | 0,240 | B43004HXS |
|  |  | 3/2 | Button, black | Air | 13 | G1/8 | 0,200 | B43003BXP |
| |  | 3/2 | Button, black | Air or button | 13 | G1/8 | 0,200 | B43003HXP |
|  |  | 5/2 | Button, black | Air | 13 | G1/8 | 0,240 | B43004BXP |
| |  | 5/2 | Button, black | Air or button | 13 | G1/8 | 0,280 | B43004XHP |
|  |  | 3/2 | Lock down lever | Spring | 9 | G1/8 | 0,202 | B43003LS |
|  |  | 3/2 | Lock down lever | Spring | 9 | G1/8 | 0,242 | B43004LS |
|  |  | 3/2 | Lock down lever | Air | 3 | G1/8 | 0,240 | B43003LP |
|  |  | 3/2 | Lock down lever | Air | 3 | G1/8 | 0,280 | B43004LP |













Note: The standard button colour is black (X)
 For optional colour buttons change 8th character of order code
 e.g. B43004HXS = Black button, B43004HXS = Green button,
 B43004HYS = Red button.

- X = Black
- Z = Green
- Y = Red



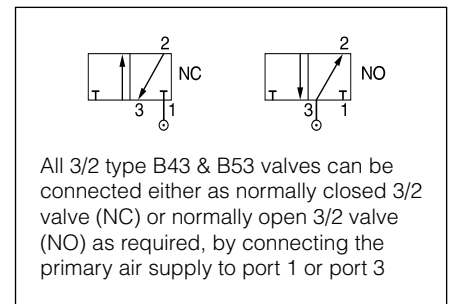
 Indicates stocked product.

Intermediate manually operated valves, B53 series

| | Symbol | Type | Actuator | Return | Operating force at 6 bar, N | Size | Weight Kg | Order code |
|--|---|------|------------------------------------|----------------------|-----------------------------|------|-----------|------------------|
|  |  | 3/2 | Button, black | Spring | 53 | G1/4 | 0,368 | B53003HXS |
| |  | 3/2 | Button, black | Button | 27 | G1/4 | 0,368 | B53003HX |
| |  | 3/2 | Button, black | Air | 27 | G1/4 | 0,380 | B53003HXP |
|  |  | 5/2 | Button, black | Spring | 53 | G1/4 | 0,498 | B53004HXS |
| |  | 5/2 | Button, black | Button | 27 | G1/4 | 0,498 | B53004HX |
| |  | 5/2 | Button, black | Air | 27 | G1/4 | 0,510 | B53004HXP |
|  |  | 5/3 | Button Closed centre position | Button Self centring | 53 | G1/4 | 0,623 | B53004HXX |
| |  | 5/3 | Button Vented centre position | Button Self centring | 53 | G1/4 | 0,623 | B53004HXY |
| |  | 5/3 | Button Pressurised centre position | Button Self centring | 53 | G1/4 | 0,623 | B53004HXZ |

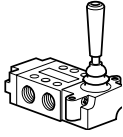





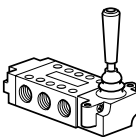









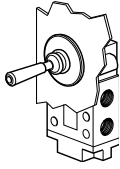
Note: The standard button colour is black (X)
 For optional colour buttons change 8th character of order code
 e.g. B43004HXS = Black button, B43004HZS = Green button,
 B43004HYS = Red button.


- X = Black
- Z = Green
- Y = Red





 Indicates stocked product.

Intermediate lever operated valves, B53 series

| | Symbol | Type | Actuator | Return | Operating force at 6 bar, N | Size | Weight Kg | Order code |
|---|---|------|--|-------------------------------|-----------------------------|------|-----------|--------------------|
|  |  | 3/2 | Lever | Spring | 14 | G1/4 | 0,504 | B53003LS |
| |  | 3/2 | Lever | Air | 9 | G1/4 | 0,520 | B53003LP |
| |  | 3/2 | Lever | Lever | 9 | G1/4 | 0,500 | B53003LT |
| |  | 3/3 | Lever Closed centre position | Lever | 9 | G1/4 | 0,504 | B53003L |
| |  | 3/3 | Lever Closed centre position | Lever Self centring | 14 | G1/4 | 0,780 | B53003LX |
|  |  | 5/2 | Lever | Spring | 14 | G1/4 | 0,506 | B53004LS |
| |  | 5/2 | Lever | Air | 14 | G1/4 | 0,526 | B53004LP |
| |  | 5/2 | Lever | Lever | 14 | G1/4 | 0,632 | B53004LT |
| |  | 5/3 | Lever Closed centre position | Lever held in three positions | 9 | G1/4 | 0,640 | B53004L |
| |  | 5/3 | Lever Vented centre position | Lever held in three positions | 9 | G1/4 | 0,640 | B53004LW |
| |  | 5/3 | Lever Pressurised centre position | Lever held in three positions | 9 | G1/4 | 0,640 | B53004LN |
| |  | 5/3 | Lever Closed centre position | Lever Self centring | 14 | G1/4 | 0,780 | B53004LX |
| |  | 5/3 | Lever Vented centre position | Lever Self centring | 14 | G1/4 | 0,780 | B53004LY |
| |  | 5/3 | Lever Pressurised centre position | Lever Self centring | 14 | G1/4 | 0,780 | B53004LZ |
|  | | | Panel mounting kit | | | | 0,040 | M53004L-10A |
| | | | Kit includes panel plate and M5 counter sunk head screws | | | | | |

 Indicates stocked product.



Midget foot operated valves, B43 series

| Symbol | Type | Actuator | Return | Operating force at 6 bar, N | Size | Weight Kg | Order code |
|---|------|------------|--------|-----------------------------|------|-----------|-----------------|
|  | 3/2 | Foot pedal | Spring | 16 | G1/8 | 0,312 | B43003FS |
|  | 5/2 | Foot pedal | Spring | 16 | G1/8 | 0,370 | B43004FS |



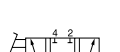


Intermediate foot operated valves, B53 series

| Symbol | Type | Actuator | Return | Operating force at 6 bar, N | Size | Weight Kg | Order code |
|--------|------|----------|--------|-----------------------------|------|-----------|------------|
|--------|------|----------|--------|-----------------------------|------|-----------|------------|

Single pedal operated


| | | | | | | | |
|---|-----|------------|--------|----|------|------|-----------------|
|  | 3/2 | Foot pedal | Spring | 95 | G1/4 | 1,34 | B53003FS |
|  | 5/2 | Foot pedal | Spring | 95 | G1/4 | 1,48 | B53004FS |

Rocker pedal operated

| | | | | | | | |
|---|-----|---|-----------------------------|----|------|------|-----------------|
|  | 3/2 | Foot pedal | Foot pedal | 18 | G1/4 | 1,38 | B53003G |
|  | 5/2 | Foot pedal | Foot pedal | 18 | G1/4 | 1,58 | B53004G |
|  | 5/3 | Foot pedal Closed centre position | Foot pedal Self centring | 18 | G1/4 | 1,68 | B53004GX |
|  | 5/3 | Foot pedal Vented centre position | Foot pedal Self centring | 18 | G1/4 | 1,68 | B53004GY |
|  | 5/3 | Foot pedal Pressurised centre position | Foot pedal Self centring | 18 | G1/4 | 1,68 | B53004GZ |

Accessories

| | | | | | | | |
|---|----------------|--|--|--|--|------|-------------|
|  | Foot guard kit | | | | | 1,16 | 3117 |
|---|----------------|--|--|--|--|------|-------------|



All 3/2 type B43 & B5/3 valves can be connected either as normally closed 3/2 valve (NC) or normally open 3/2 valve (NO) as required, by connecting the primary air supply to port 1 or port 3

 Indicates stocked product.

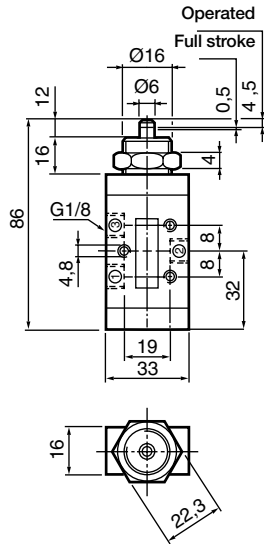
Dimensions, G1/8 ported spool valves

All dimensions in mm unless otherwise stated

Mechanically operated valves

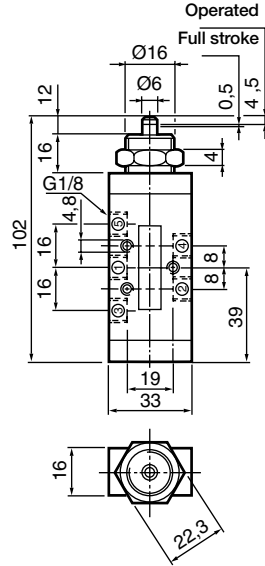
3/2 valves

Plunger operated spring return



5/2 valves

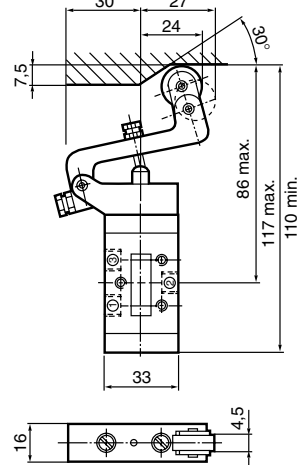
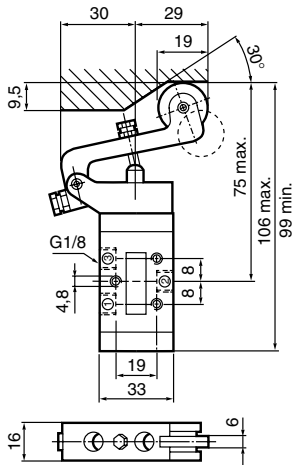
Plunger operated spring return



3/2 valves

Roller operated spring return

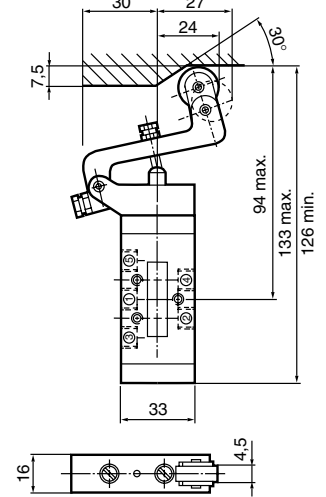
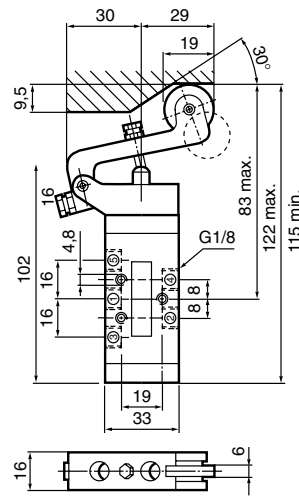
One way roller trip operate spring return



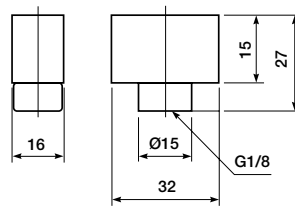
5/2 valves

Roller operated spring return

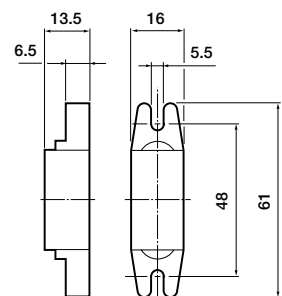
One way roller trip operate spring return



Air Pilot Return



Optional foot mounted - Spring return housing



Dimensions, G1/8 ported spool valves

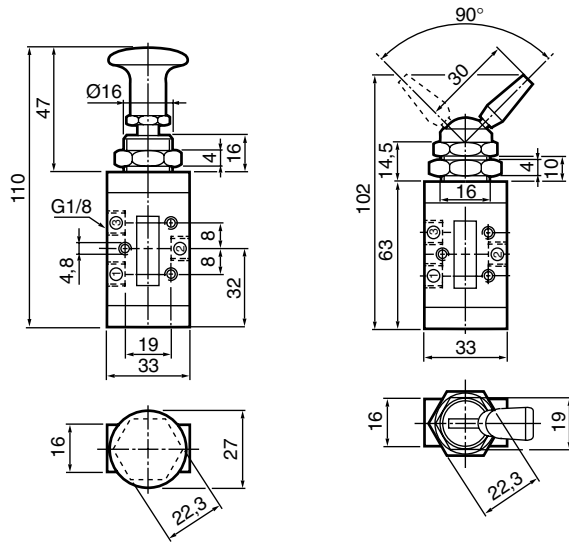
All dimensions in mm unless otherwise stated

Manually operated valves

3/2 valves

Button operated spring return
or button returned

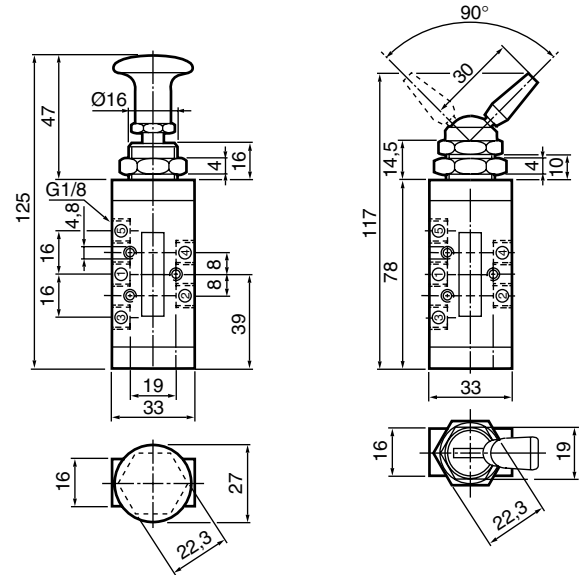
Lock down lever
operated spring return



5/2 valves

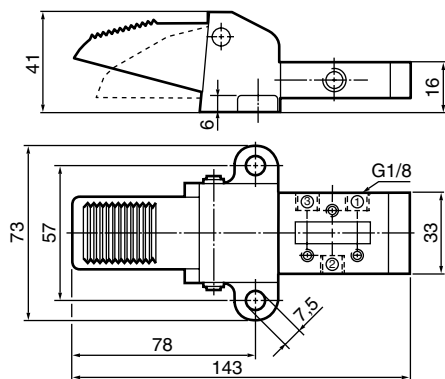
Button operated spring return
or button returned

Lock down lever
operated spring return



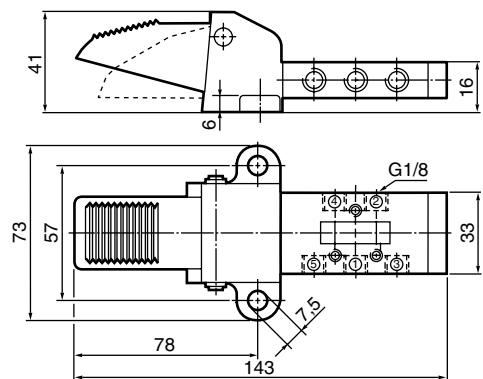
3/2 valves

Foot pedal operated spring return

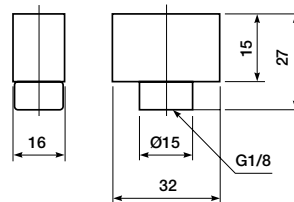


5/2 valves

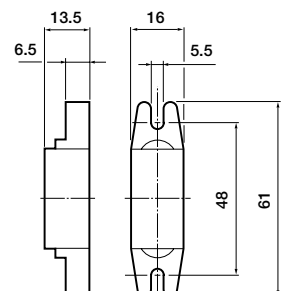
Foot pedal operated spring return



Air Pilot Return



Optional foot mounted -
Spring return housing



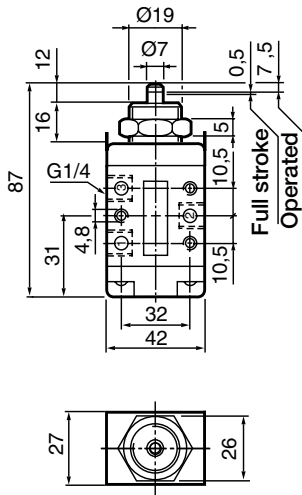
Dimensions, G1/4 ported spool valves

All dimensions in mm unless otherwise stated

Mechanically operated valves

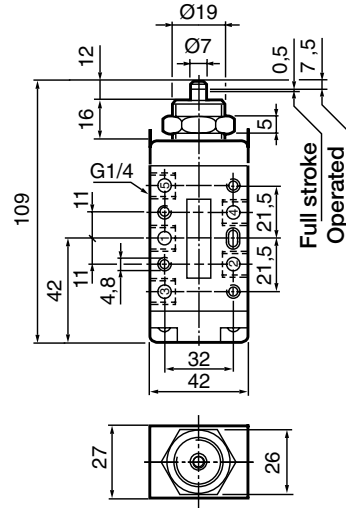
3/2 valves

Plunger operated spring return



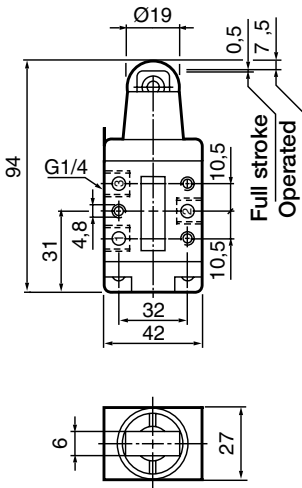
5/2 valves

Plunger operated spring return



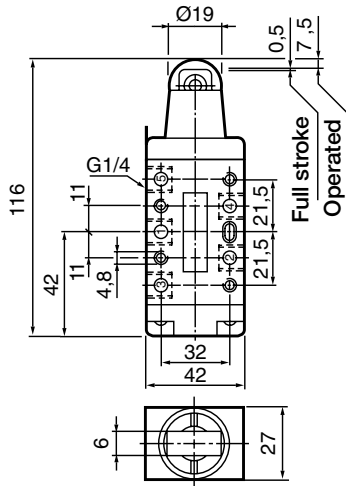
3/2 valves

Roller operated spring return

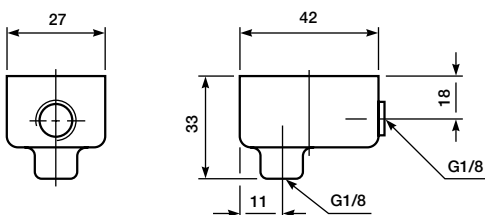


5/2 valves

Roller operated spring return



Air Pilot Return



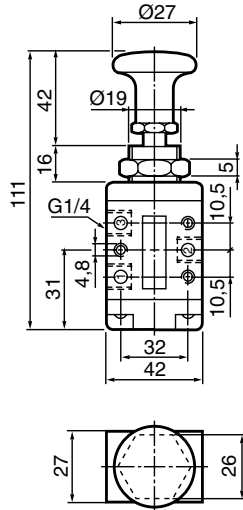
Dimensions, G1/4 ported spool valves

All dimensions in mm unless otherwise stated

Manually operated valves

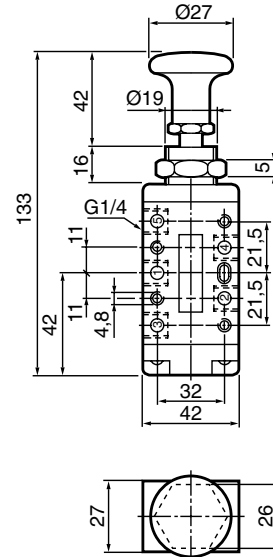
3/2 valves

Button operated spring return
or button returned



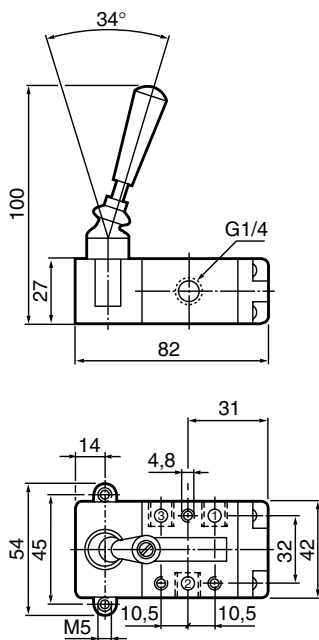
5/2 valves

Button operated spring return
or button returned



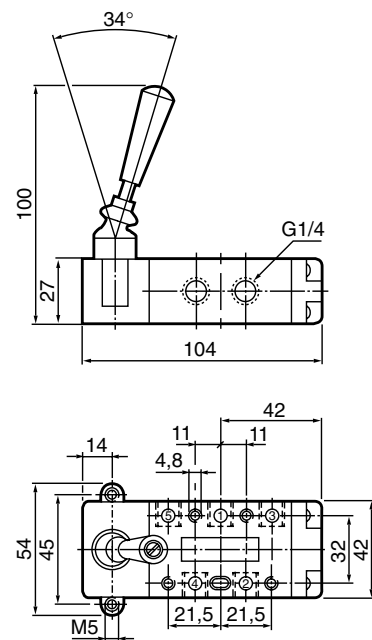
3/2 valves

Lever operated

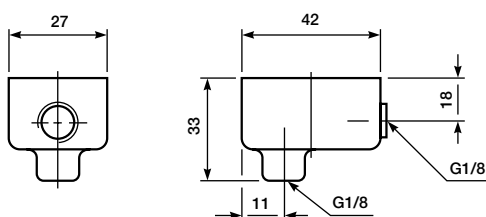


5/2 valves

Lever operated



Air Pilot Return



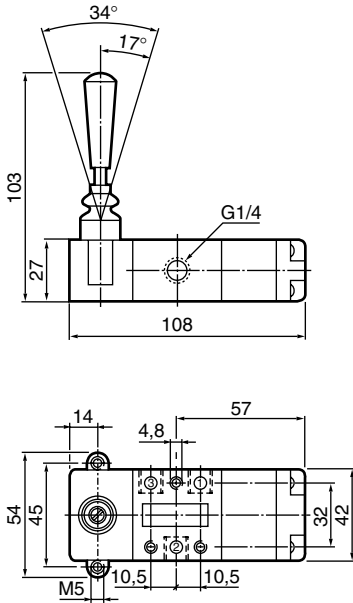
Dimensions, G1/4 ported spool valves

All dimensions in mm unless otherwise stated

Manually operated valves

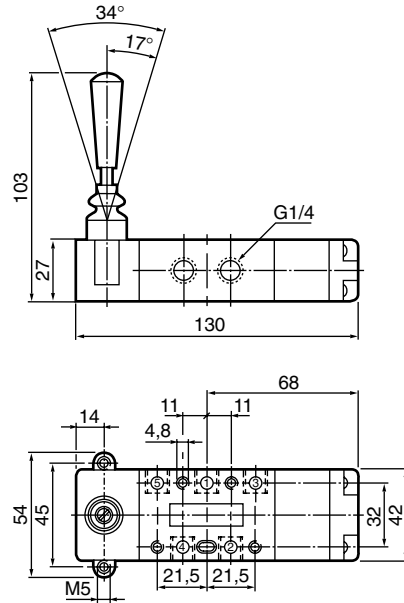
3/3 valves (Self centring)

Lever operated



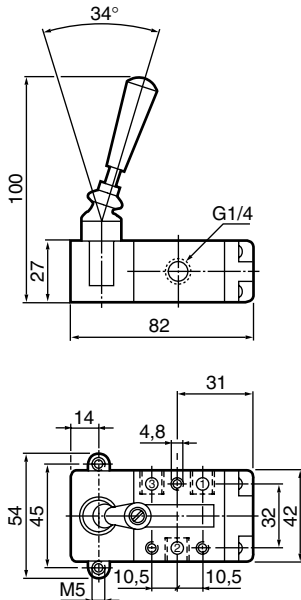
5/3 valves (Self centring)

Lever operated



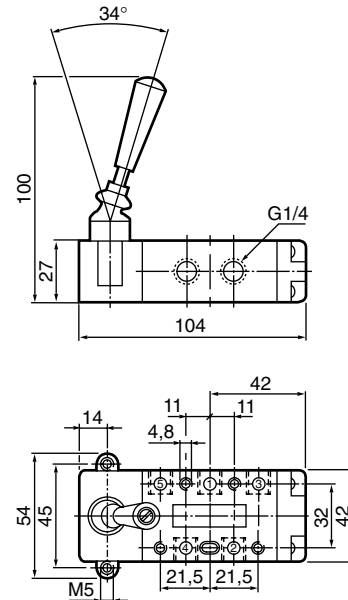
3/3 valves (3 positions)

Lever operated

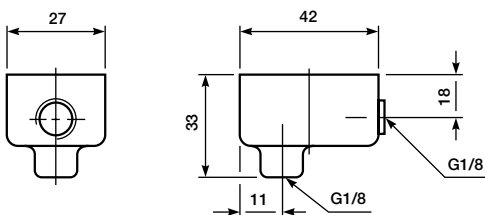


5/3 valves (3 positions)

Lever operated



Air Pilot Return



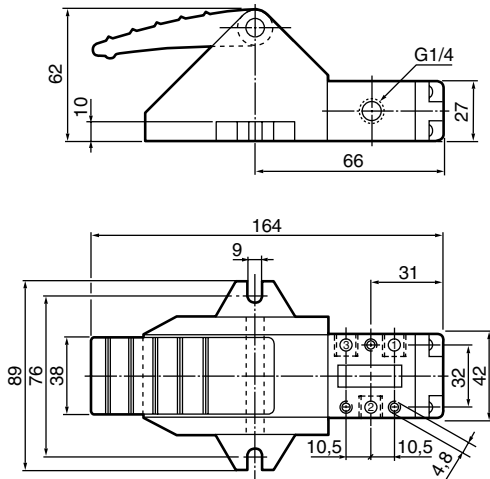
Dimensions, G1/4 ported spool valves

All dimensions in mm unless otherwise stated

Manually operated valves

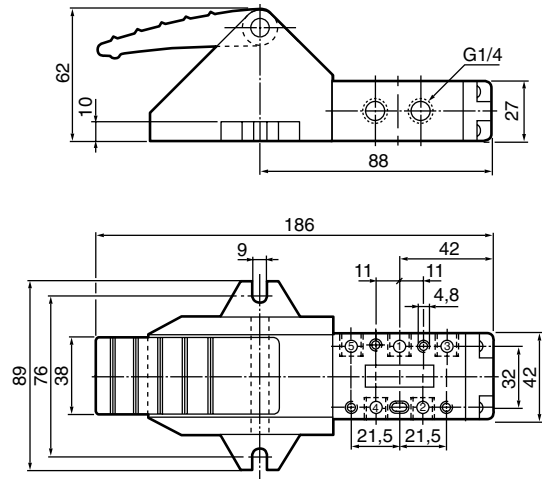
3/2 valves

Foot pedal operated spring return



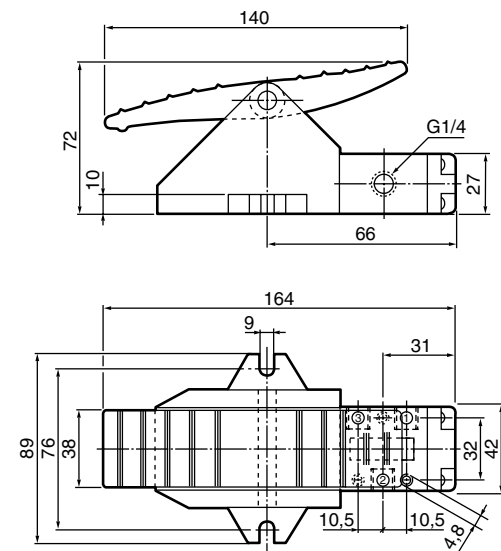
5/2 valves

Foot pedal operated spring return



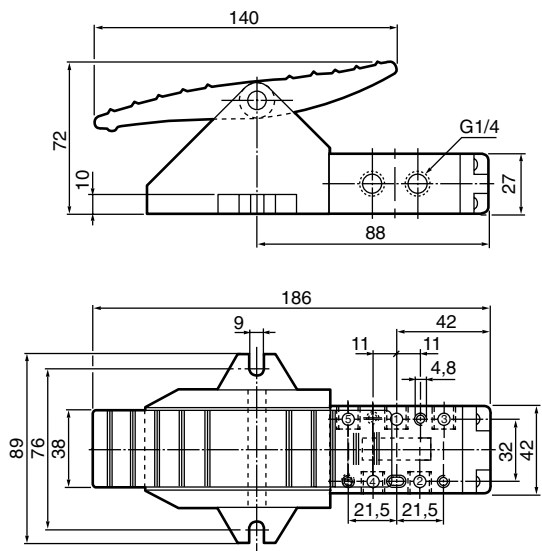
3/2 valves

Foot pedal operated



5/2 valves

Foot pedal operated



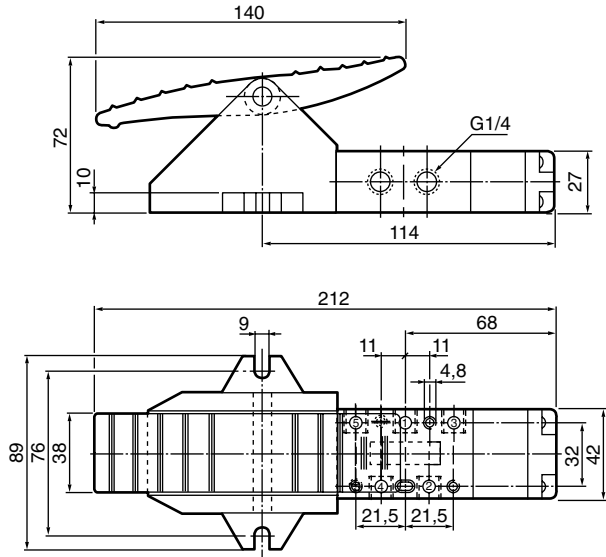
Dimensions, G1/4 ported spool valves

All dimensions in mm unless otherwise stated

Manually operated valves

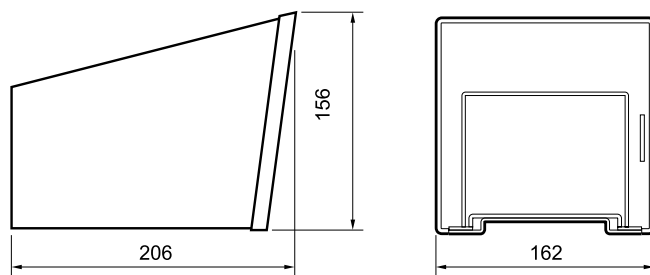
5/3 valves

Foot pedal operated



Foot guard kit

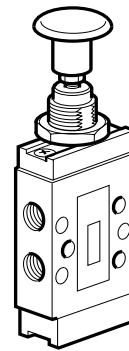
3117



Service and Replacement Parts

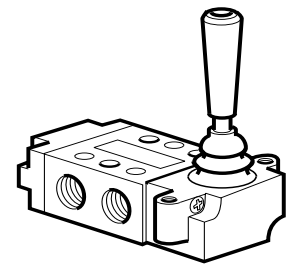
B43 Series Manually Operated Valves

| Order code | Actuator | Replacement actuator | Repair kit |
|------------------|-------------------|----------------------|---------------------|
| B43003BXS | Button | 43004BX-100 | Body seal 43007A |
| B43004BXS | Button | | |
| B43004HXS | Button, Push/Pull | 43004H-100 | |
| B43003LS | Lockdown lever | 43004L-200 | |
| B43004LS | Lockdown lever | | |



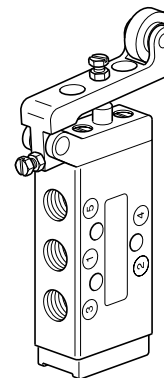
B53 Series Manually Operated Valves

| Order code | Actuator | Replacement actuator | Repair kit |
|------------------|-----------------------|----------------------|--------------------------|
| B53003HXS | Button | | |
| B53004HXS | Button | | |
| B53003HX | Button, Push/Pull | | |
| B53004HX | Button, Push/Pull | 53004HX-100 | Body seal 53007 |
| B53004HXX | Button, Self centring | | |
| B53004HXY | Button, Self centring | | |
| B53004HXZ | Button, Self centring | | |
| B53003FS | Foot | 53004F-100 | |
| B53004FS | Foot | | |
| B53003LS | Lever | 53004L-198 | |
| B53004LS | Lever | | |
| B53003LT | Lever, 2 positions | 53004L-196 | Body seal 53007 |
| B53004LT | Lever, 2 positions | | |
| B53004L | Lever, 3 positions | 53004L-100 | Lever kit 53004L-300R |
| B53004LW | Lever, 3 positions | | |
| B53004LX | Lever, Self centring | 53004L-198 | |
| B53004LY | Lever, Self centring | | |



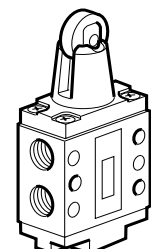
B43 Series Mechanically Operated Valves

| Order code | Actuator | Replacement actuator | Repair kit |
|-----------------|--------------|----------------------|---------------------|
| B43003CS | Plunger | 43004C-100 | Body seal 43007A |
| B43004CS | Plunger | | |
| B43003RS | Roller Lever | 43004R-200 | |
| B43004RS | Roller Lever | | |



B53 Series Mechanically Operated Valves

| Order code | Actuator | Replacement actuator | Repair kit |
|-----------------|----------|----------------------|--------------------|
| B53003CS | Plunger | 53004C-100 | Body seal 53007 |
| B53004CS | Plunger | | |
| B53003RS | Roller | 53004R-100 | |
| B53004RS | Roller | | |



 Indicates stocked product.

Lubricating Oils

To ensure long life and trouble free service from valves, it is recommended the equipment should be adequately lubricated by means of lubricators which disperse oil into the system.

Only paraffinic based oils can be used, and the following recommendations are given as a general guide to types of oil that are suitable for use with Parker Pneumatic equipment.

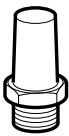
The list opposite does not preclude the use of oils manufactured by other companies but oils must be paraffinic based.

As a general guide, lubricator drip rates should be 1 drip/minute for every 5 litre/second (10 cubic feet per minute) passed through the equipment.

| Oil company | Grade | Viscosity |
|-----------------------|---------------------|-----------|
| Century oils | P.W.L.A | 32 |
| Alexander Duckham | Zircon 4 | 32 |
| Gulf oil (GB) Limited | Harmony 43 AW | 32 |
| Shell (UK) oil | Tellus 37 | 37 |
| Burmah Castrol | Hyspin AWS 32 | 32 |
| Edgar Vaughan | Y Hydrodrive HP 100 | 32 |
| Esso Petroleum | Nuto H32 | 32 |
| B.P. | HLP 32 | 32 |
| Mobile Oil Company | DTE Oil - Light | 32 |
| Motul | VPI-A | 32 |
| Silkolene | Derwent 32 | 32 |

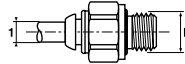
Accessories

Sintered bronze series



| Port | Order code | Pack Qty |
|------|-------------------|----------|
| G1/8 | 9090050700 | 1 |
| G1/4 | P6M-BAA2 | 1 |

Male straight connectors - Parallel thread



| Tube Ø1 | Thread B | Order code | Box Qty |
|---------|----------|-------------------|---------|
| 4 | 1/8 | F4PMB4-1/8 | 20 |
| 6 | 1/8 | F4PMB6-1/8 | 30 |
| 6 | 1/4 | F4PMB6-1/4 | 30 |
| 8 | 1/8 | F4PB8-1/8 | 40 |
| 8 | 1/4 | F4PB8-1/4 | 30 |
| 8 | 3/8 | F4PB8-3/8 | 20 |
| 10 | 1/4 | F4PB10-1/4 | 20 |

 Indicates stocked product.

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