BALL VALVES

BRASS BALL VALVES

Features and benefits

- Ideal for isolating compressed air from part of the network for maintenance, service, repair or component changes
- Saves energy when parts of the network are not used
- Industrial quality two-piece forged brass
- Precision machining for maximum strength, durability and maintenance-free operation
- Full flow design
- Chrome plated brass ball valve and nickel plated brass body for long service life and additional resistance to corrosion

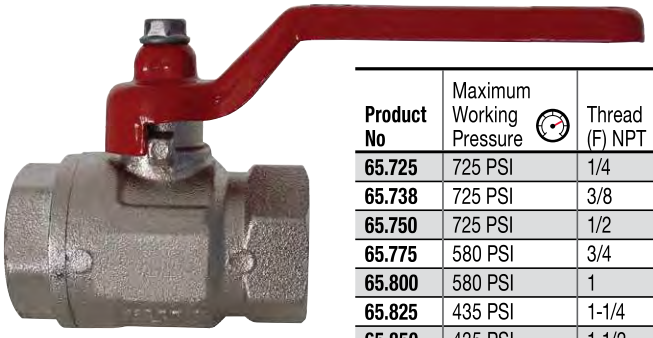
Applications

Compressed air and water distribution systems

TECH TIP

90% of air leakage is generated in the compressed air distribution system. In order to minimize the negative impact of these leaks, it is strongly recommended to install ball valves or even better "**AIR-SAVER**" programmable ball valves to isolate the compressed air distribution system from the compressor.

FEMALE / FEMALE FULL FLOW 1/4 - 2 NPT



Product No	Maximum Working Pressure	Thread (F) NPT	Weight kg
65.725	725 PSI	1/4	0.14
65.738	725 PSI	3/8	0.16
65.750	725 PSI	1/2	0.20
65.775	580 PSI	3/4	0.32
65.800	580 PSI	1	0.46
65.825	435 PSI	1-1/4	0.70
65.850	435 PSI	1-1/2	1.06
65.900	362 PSI	2	1.66

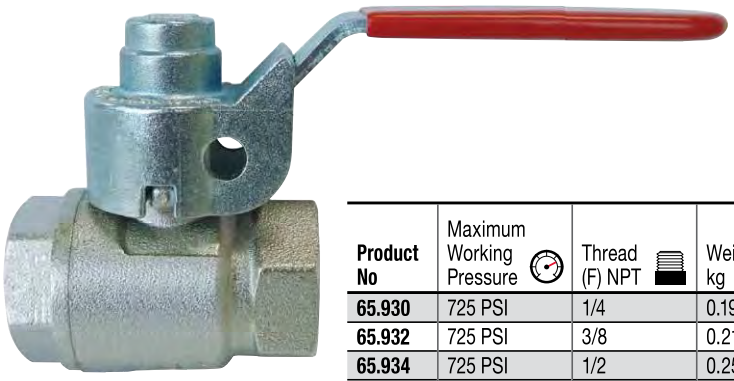
Materials

Body: Nickel plated brass
Ball: Chrome plated brass
Stem Seal: Brass
Ball Seal: PTFE
Handle: Steel
Seals: Nitrile rubber and Viton®

Specifications

Working Temperature: -20 to 150 °C

FEMALE / FEMALE FULL FLOW 1/4 - 1 NPT LOCKOUT



Product No	Maximum Working Pressure	Thread (F) NPT	Weight kg
65.930	725 PSI	1/4	0.19
65.932	725 PSI	3/8	0.21
65.934	725 PSI	1/2	0.25
65.936	580 PSI	3/4	0.38
65.938	580 PSI	1	0.51

Materials

Body: Nickel plated brass
Ball: Chrome plated brass
Stem Seal: Brass
Ball Seal: PTFE
Handle: Steel
Seals : Nitrile rubber and Viton®

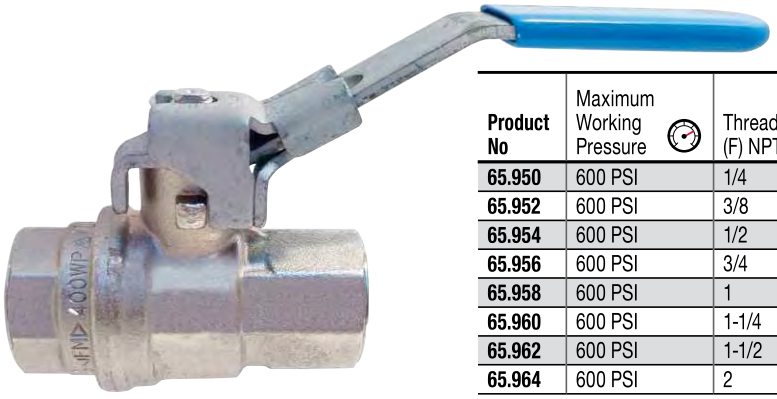
Specifications

Working Temperature: -20 to 150 °C

BRASS BALL VALVES

FEMALE / FEMALE FULL FLOW 1/4 - 2 NPT LOCKOUT

SAFETY LOCKOUT CRN CANADIAN REGISTRATION NUMBER



Product No	Maximum Working Pressure	Thread (F) NPT	Weight kg
65.950	600 PSI	1/4	0.17
65.952	600 PSI	3/8	0.15
65.954	600 PSI	1/2	0.24
65.956	600 PSI	3/4	0.38
65.958	600 PSI	1	0.63
65.960	600 PSI	1-1/4	0.95
65.962	600 PSI	1-1/2	1.18
65.964	600 PSI	2	1.93

Materials

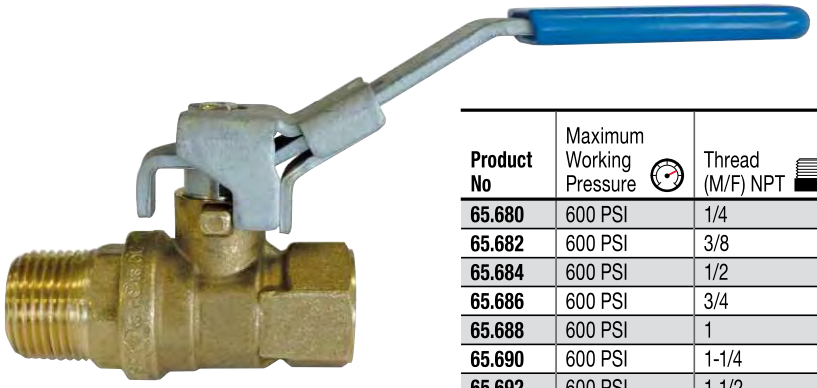
Body: Brass
Ball: Chrome plated brass
Stem and Ball Seals: PTFE
Handle: Steel with PVC

Specifications

Working Temperature: -40 to 177 °C

MALE / FEMALE FULL FLOW 1/4 - 2 NPT LOCKOUT

SAFETY LOCKOUT CRN CANADIAN REGISTRATION NUMBER



Product No	Maximum Working Pressure	Thread (M/F) NPT	Weight kg
65.680	600 PSI	1/4	0.17
65.682	600 PSI	3/8	0.15
65.684	600 PSI	1/2	0.23
65.686	600 PSI	3/4	0.37
65.688	600 PSI	1	0.62
65.690	600 PSI	1-1/4	0.94
65.692	600 PSI	1-1/2	1.16
65.694	600 PSI	2	1.91

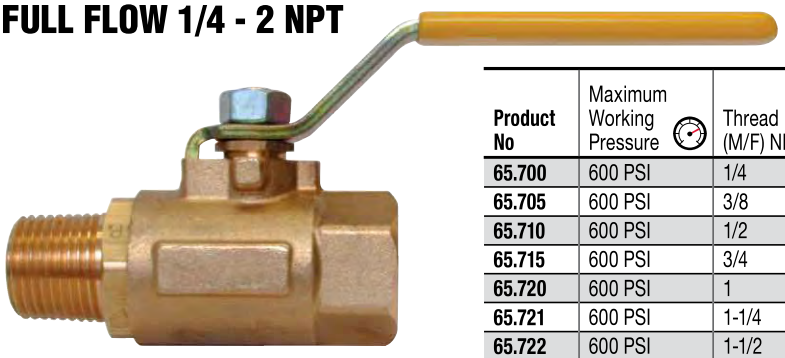
Materials

Body: Brass
Ball: Chrome plated brass
Stem and Ball Seals: PTFE
Handle: Steel with PVC

Specifications

Working Temperature: -40 to 177 °C

MALE / FEMALE FULL FLOW 1/4 - 2 NPT



Product No	Maximum Working Pressure	Thread (M/F) NPT	Weight kg
65.700	600 PSI	1/4	0.26
65.705	600 PSI	3/8	0.26
65.710	600 PSI	1/2	0.34
65.715	600 PSI	3/4	0.39
65.720	600 PSI	1	0.63
65.721	600 PSI	1-1/4	1.61
65.722	600 PSI	1-1/2	2.50
65.723	600 PSI	2	3.48

Materials

Body: Brass
Ball: Chrome plated brass
Stem and Ball Seals: PTFE
Handle: Steel with PVC

Specifications

Working Temperature: -29 to 120 °C

STAINLESS STEEL BALL VALVES

Features and benefits

- Dual sealing system allows ball valve to be operated in either direction
- Plastic coated stainless steel lockable handle offering both thermal and electrical protection
- Removable handle while ball valve is in service
- Handle clearly shows flow direction
- Silicone-free lubricant on all seals

Applications

Corrosive environments, compressed air, water, oil and gas distribution systems

Materials

Body and Stem: Stainless steel 316

Seals: PTFE

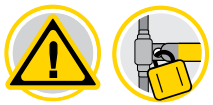
Handle: PVC coated stainless steel

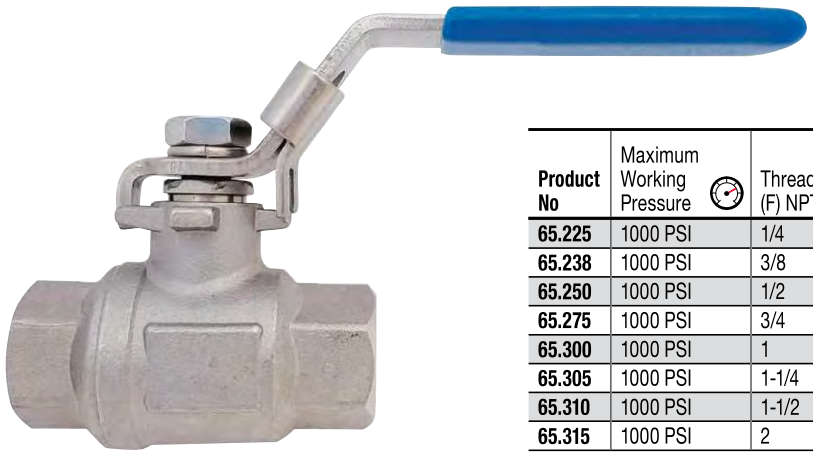
Specifications

Maximum Working Pressure:
1000 PSI

Working Temperature:
Full flow: -45 to 232 °C
Reduced flow: -45 to 204 °C

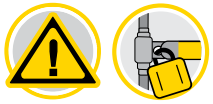
FEMALE / FEMALE FULL FLOW 1/4 - 2 NPT LOCKOUT





Product No	Maximum Working Pressure	Thread (F) NPT	Weight kg
65.225	1000 PSI	1/4	0.23
65.238	1000 PSI	3/8	0.27
65.250	1000 PSI	1/2	0.36
65.275	1000 PSI	3/4	0.50
65.300	1000 PSI	1	0.64
65.305	1000 PSI	1-1/4	0.73
65.310	1000 PSI	1-1/2	0.84
65.315	1000 PSI	2	1.29

FEMALE / FEMALE REDUCED FLOW 1/4 - 2 NPT LOCKOUT

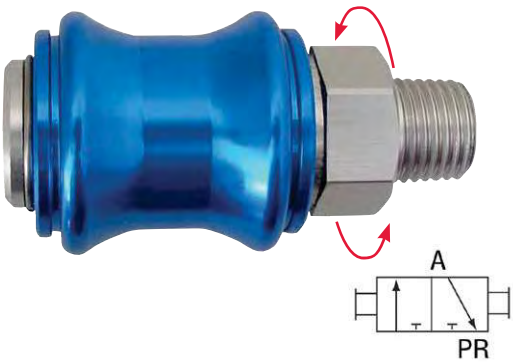


Product No	Maximum Working Pressure	Thread (F) NPT	Weight kg
65.200	1000 PSI	1/4	0.07
65.202	1000 PSI	3/8	0.10
65.204	1000 PSI	1/2	0.18
65.206	1000 PSI	3/4	0.28
65.208	1000 PSI	1	0.44
65.210	1000 PSI	1-1/4	0.65
65.212	1000 PSI	1-1/2	0.82
65.214	1000 PSI	2	1.37

SLIDE VALVES

Features and benefits

- Manually operated slide valves provide simple on/off airflow control
- Downstream air exhausts when slide valve is closed



Applications

Ideal low-cost method for operating single-action pneumatic cylinders, air clamps, air gauges and similar air-actuated devices

Material

Aluminium

Specifications

Maximum Working Pressure: 145 PSI

Working Temperature: -20 to 70 °C

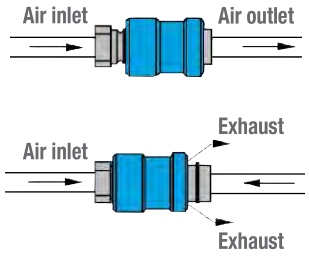
Product No	Thread (F) NPT	Thread (M) NPT	Flow SCFM*
65.600	1/8	1/8	41
65.605	1/4	1/4	74
65.615	3/8	3/8	99
65.625	1/2	1/2	102
65.635	3/4	3/4	189
65.645	1	1	282

* Inlet 100 PSI, 10 PSI pressure drop

HOW IT WORKS

By moving the sleeve in one direction, the air is free to pass through the slide valve to the circuit.

By sliding the sleeve in the opposite direction, the air supply is shut off and the downstream air is allowed to exhaust, thus rendering the tool or machine inoperative.



MINI BALL VALVES

Features and benefits

- Nitrile o-ring for a positive seal in both directions, making installation easier
- Compact corrosion-resistant aluminium handle
- Compact design
- No maintenance required

Applications

Compressed air and water piping systems

Materials

Body: Nickel plated brass

Ball: Chrome plated brass

Handle: Aluminium

O-Ring: Nitrile

Specifications

Maximum Working Pressure: 235 PSI

Working Temperature: 0 to 80 °C

Product No	Thread (F) NPT
65.118	1/8
65.125	1/4
65.138	3/8
65.150	1/2

Product No	Thread (M/F) NPT
65.119	1/8
65.126	1/4
65.139	3/8
65.151	1/2

SAFETY LOCKOUT EXHAUST BALL VALVES

Features and benefits

- 100% full flow port for maximum flow
- Exhausts automatically and continuously downstream air pressure as soon as turned in the closed position
- Ball valve is lockable in the closed position only, according to Part. 1910.147 Safety OSHA requirements to allow safe maintenance of the air supplied equipment
- When ball valve is open, one simple quarter turn of the handle shuts off the flow immediately
- Ball valve body includes a tapped downstream depressurization venting outlet (10-32 UNF) to direct exhaust air and assemble muffler for noise reduction
- Sturdy handle with a 8.4mm hole for locking the ball valve with a padlock
- Vinyl coated steel handle, offering both thermal and electrical protection
- Silicone-free lubricant on all seals
- Fast, safe de-energizing of pneumatic equipment

Applications

Compressed air distribution systems

Materials

Body: Brass

Ball: Chrome plated brass

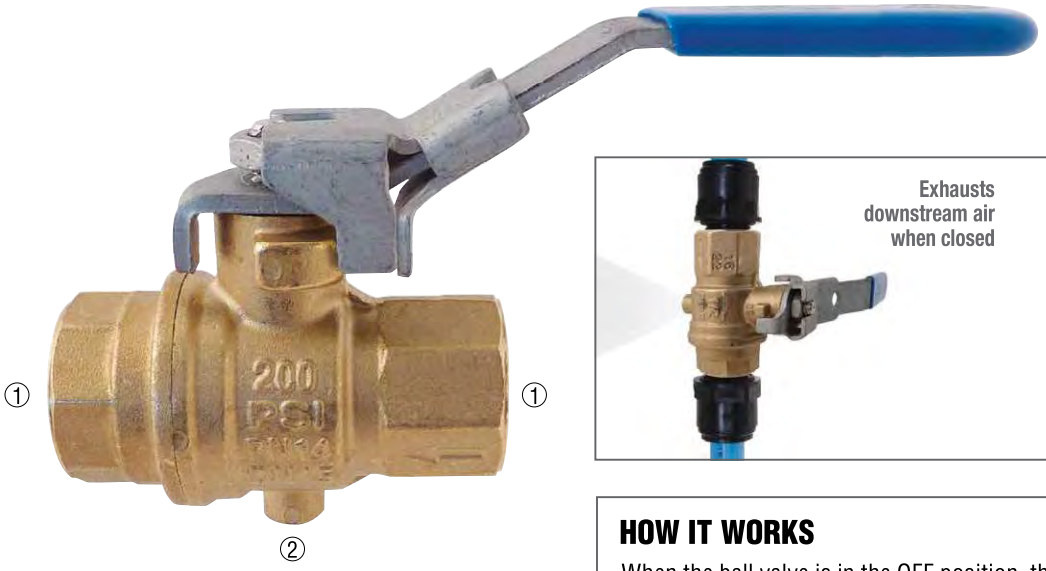
Seals: Reinforced PTFE

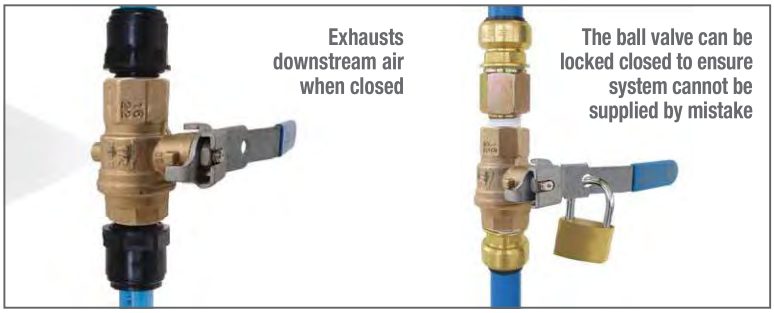
Handle: Steel with PVC

Specifications

Maximum Working Pressure: 200 PSI

Working Temperature: -9 to 99 °C



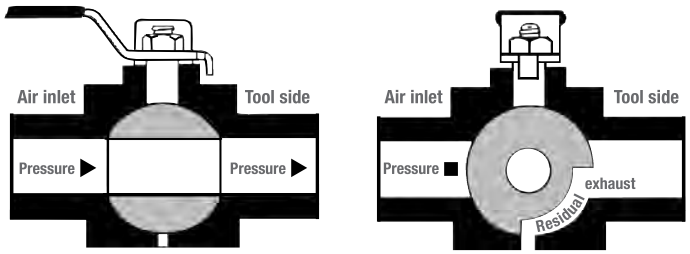


Product No	① Thread (F) NPT	② Exhaust Thread	Weight kg
65.500	1/4	10-32 UNF	0.18
65.505	3/8	10-32 UNF	0.16
65.510	1/2	10-32 UNF	0.24
65.515	3/4	10-32 UNF	0.38
65.520	1	10-32 UNF	0.63
65.525	1-1/4	1/4 NPT	1.09
65.530	1-1/2	1/4 NPT	1.46
65.535	2	1/4 NPT	2.40

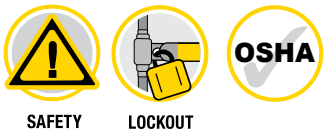
HOW IT WORKS

When the ball valve is in the OFF position, the exhaust port vents residual air on the downstream side of the ball valve.

This ensures that air-powered equipment is safe to service.



AIRFLO®
SAFETY AND LOCKOUT VENTING VALVES



Features and benefits

- 3-port/2-position venting valve relieves downstream pressure when closed
- Can be locked only in the closed position
- Can be mounted directly to AIRFLO FRL using standard AIRFLO spacers included
- Threaded ports allow direct assembly with other components
- 6 mm to 8.5 mm hole for locking the valve with a standard single padlock or safety lock for multiple lockout
- Meet OSHA Standard 29 CFR Part 1910.147

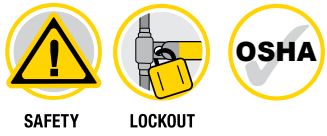
Applications
Compressed air distribution systems

Materials
Body: Aluminium
Buttom Plug and Handle: Zinc
Internal: Steel and rubber

Specifications
Maximum Working Pressure: 150 PSI
Working Temperature: 5 to 60 °C

Product No	Thread (F) NPT	Vent Port	Locking Hole (mm)	Suggested Muffler
51.270	1/4	1/8	6	86.600
51.370	1/4	1/4	7.5	86.605
51.375	3/8	1/4	7.5	86.605
51.470	3/8	3/8	7.5	86.610
51.475	1/2	3/8	7.5	86.610
51.575	1	3/8	8.5	86.610

MODULAIR®
SAFETY AND LOCKOUT VENTING VALVES



Features and benefits

- 3-port/2-position venting valve relieves downstream pressure when closed
- Can be locked only in the closed position
- Threaded ports allow use in-line with other components
- Can be mounted directly to AIRFLO FRL using standard spacers included
- 8 mm holes for locking the valve with a standard single padlock or safety lock for multiple lockout
- Meet OSHA Standard 29 CFR Part 1910.147

Applications
Compressed air distribution systems

Materials
Body: Zinc
Handle: Acetal
O-Ring: Nitrile

Specifications
Maximum Working Pressure: 300 PSI
Working Temperature: 4 to 66 °C

Product No	Thread (F) NPT
50.781	1/4
50.783	1/4
50.784	3/8
50.785	1/2
50.786	1/2
50.787	3/4

Allows a double lockout

HIGH FLOW SAFETY EXHAUST/LOCKOUT VALVES

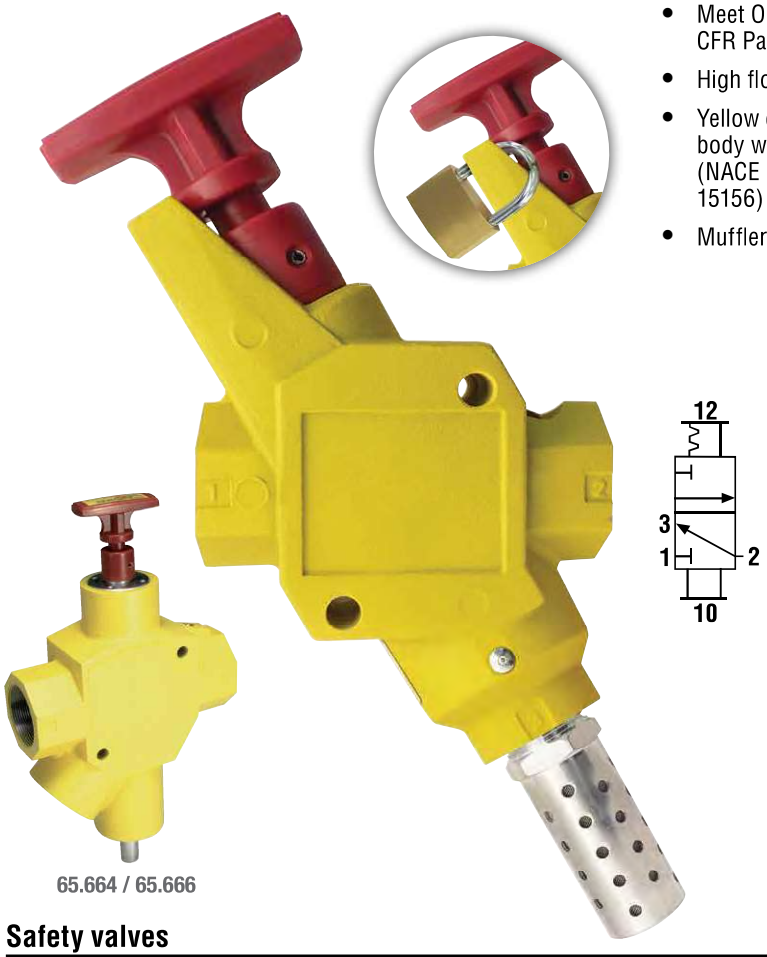
SAFETY LOCKOUT OSHA

Features and benefits

The high flow safety lockout valve is a 2-position, 3-way valve that exhausts downstream air when shifted to the closed position.

Colored bright yellow with a red handle, it is easily distinguished from other air preparation components.

A standard padlock can be inserted in the hole of the plunger to lock the unit in a non-flowing position, keeping it safe for downstream maintenance.



65.664 / 65.666

- Meet OSHA Standard 29 CFR Part 1910.147
- High flow exhaust port
- Yellow cast aluminium body with red handle (NACE MR0175 / ISO 15156) for high visibility
- Muffler included

Applications

In accordance with OSHA Standards, lockout valves are used during maintenance and service procedures of air operated equipment (5 microns). Lockout ball valves are installed in pneumatic drop legs or individual pneumatic control lines.

Materials

Body: Cast aluminium alloy

Handle: Plastic

Spool: Aluminium

Seals: Nitrile rubber

Spring: Stainless steel

Specifications

Maximum Working Pressure: 300 PSI

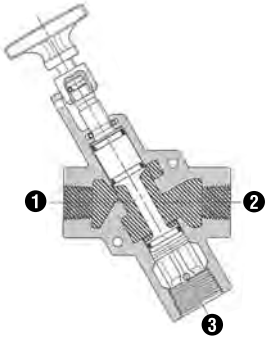
Working Temperature: 4 to 79 °C

HOW IT WORKS

NORMAL OPERATION – VALVE OPEN

With the handle pulled upward:

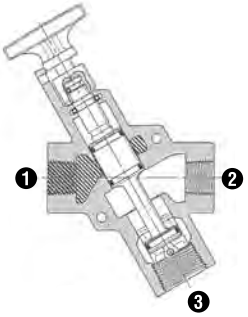
Inlet port ❶ is open to outlet port ❷ and exhaust port ❸ is blocked.



LOCKOUT OPERATION – VALVE CLOSED

With the handle pulled inward:

Inlet port ❶ is blocked and outlet port ❷ is open to exhaust port ❸.



Safety valves

Product No	Thread (F) NPT	Exhaust Thread (F) NPT	Inlet/Outlet Flow SCFM	Exhaust Flow SCFM	Locking Hole (mm)
65.650	1/2	3/4	161	91	8.8
65.655	3/4	3/4	187	93	8.8
65.660	1	1-1/4	375	216	8.8
65.662	1-1/4	1-1/4	436	221	8.8
65.664	1-1/2	2	761	1156	7.0
65.666	2	2	918	1186	7.0

Safety valves CRN approved

CRN CANADIAN REGISTRATION NUMBER

Product No	Thread (F) NPT	Exhaust Thread (F) NPT	Inlet/Outlet Flow SCFM	Exhaust Flow SCFM	Locking Hole (mm)
65.651	1/2	3/4	161	91	8.8
65.656	3/4	3/4	187	93	8.8
65.661	1	1-1/4	375	216	8.8
65.663	1-1/4	1-1/4	436	221	8.8

TECH TIP

Prior to servicing, the red handle is pressed inward, blocking pressure and relieving all downstream air pressure. A padlock is installed through the locking hasp, preventing accidental actuation during the maintenance procedure. Following maintenance, the padlock is removed and the red handle is pulled outward, returning air pressure to the system.