

# Q-BOSS

**Q-BOSS is a specialized Australian-based valves solutions provider offering unique and alternative solutions to the market.**

## **We specialize in:**

- Ball valves – extreme conditions and customised (Penta)
- Ball valves – standard use (Valpres)
- Globe valves (Conflow)
- Check valves (Ghibson)
- Butterfly valves (Ghibson)
- Pneumatic and electric actuators (Valbia)





## METAL SEATED BALL VALVE - PENTA, ITALY

### Range:

Size:	1/2" - 20"
Rating:	150 Lb. - 2,500 Lb. / PN16- PN420
Temperature:	-100°C to 700°C
Service:	dangerous and abrasive services
Gas/Fluid:	all
Construction:	2 ways or 3 ways

### Value Added:

- Competitive delivery (from 4 to 18 weeks)
- Flexible in the design of gasket and seat
- Main certifications (PED, ATEX, ISO, Fire Safe, SIL, Ta-Luft, CRCC)
- Pentafite technology: Perfect Tightness / Easy maintenance / Gas tightness



## CRYOGENIC BALL VALVE - PENTA, ITALY

### Range:

Size:	1/2" - 10"
Rating:	150 Lb. - 1,500 Lb. / PN16 - 250
Temperature:	-196°C to 200°C
Service:	cryogenic
Gas/Fluid:	all
Construction:	2 ways

### Value Added:

- Competitive delivery (from 1 to 16 weeks)
- Flexible in the design of gasket and seat
- Main certifications (PED, ATEX, ISO, Fire Safe)

## SOFT SEATED BALL VALVE - VALPRES, ITALY



### Range:

Size:	1/4" - 48"
Rating:	150 Lb. - 2500 Lb. / PN16 -PN420
Temperature	-46°C to 200°C
Gas/Fluid:	all
Construction:	2 ways

### Value Added:

- Competitive delivery (from 1 to 16 weeks)
- Flexible in the design of gasket and seat
- Main certifications (PED, ATEX, ISO, Fire Safe)

## GLOBE VALVE - CONFLOW, ITALY



### Range:

Size:	1/2" - 8"
Rating:	150 Lb. - 600 Lb. / PN16- PN100
Temperature:	-196°C to 425°C
Service:	on/off, regulation
Gas/Fluid:	steam, gases, thermal oil
Construction:	2 ways

### Value Added:

- Competitive delivery (from 2 weeks)
- Flexible in the design of gasket and seat
- Competitive prices against the main competitors



## CHECK VALVE – *GIBSON, ITALY*

### Range:

Size:	1/2" - 24"
Rating:	150 Lb. - 900 Lb. / PN16 - PN160
Temperature:	-10°C to 190°C
Service:	pump discharge line
Gas/Fluid:	water, steam, oil, gases
Construction:	2 ways

### Value Added:

- Competitive delivery (from 2 weeks)
- Flexible in the design of gasket and seat
- Competitive prices against the main competitors



## BUTTERFLY - *GIBSON, ITALY*

### Range:

Size:	1/2" - 32"
Rating:	150 Lb. - 2500 Lb. / PN16 -PN40
Temperature:	-46°C to 200°C
Gas/Fluid:	all
Construction:	2 ways

## Pneumatic Actuators

### Equipment

- Rack and pinion pneumatic actuators
- Available in double-acting (DA) and spring return (SR) versions
- Rotation configurations: 0°–90° (Series 82 and 84) and 0°–180° (Series 83)
- Suitable for industrial applications, ball valves, and butterfly valves
- Designed for high reliability, performance, and durability thanks to Valbia's patented design

### Range

- Series 82: extruded aluminum body, 0°–90° rotation, 15 models, DA and 14 models SR
- Series 83: extruded aluminum body, 0°–180° rotation, 9 models, DA only
- Series 84: stainless steel body, caps, and pinion (A351 CF8M), 0°–90° rotation, 5 models DA or SR

### Materials and treatments

- Extruded aluminum body with 45–50 µm hard anodizing (standard)
- Options: nickel plating or PTFE coating for highly corrosive environments

### Internal features

- FKM Viton® seals (optional)
- Concentric springs for SR versions, painted and resistant, adjustable according to pressure
- Pinion compliant with Namur standard
- Stroke adjustment possible via cams and screws on caps (83 series)

### Operating temperatures:

- Standard version: suitable for general industrial conditions (data not specified in °C)
- Series 84: high temperature (up to 150°C); low temperature (down to –40°C)

### Value Added

- Anodized body with high corrosion resistance
- PTFE coating option for chemical environments or aggressive washing
- Die-cast aluminum caps with polyester paint (standard), nickel plating, or PTFE on request

### Safety and durability

- Anti-blowout piston system for increased safety
- Long screws for safe spring removal in SR versions

### Options and accessories:

- Namur solenoid valves
- Mechanical or magnetic limit switches
- 4–20 mA electro-pneumatic positioners
- Position indicators (switch boxes)

### Housing Materials

- Anodized aluminum (Series 82 and 83)
- A351 CF8M stainless steel (Series 84) for heavy-duty and corrosive applications

### Certifications

- CE
- ATEX (II 2GD T6...T3)
- SIL (IEC EN 61508 SIL3)
- ISO 9001, ISO 14001, ISO 50001, OHSAS 18001
- DNV-GL

### Electrical Actuators

#### Equipment

- Electrical actuators for industrial valves
- Compatible with multiple configurations and applications

#### Range

- 1 electronic board: VB015
- 2 electronic boards available for models:
  - VB030 / VB030M
  - VB350 / VB350M
- 3 electronic boards: VB015M
- DC motor
- Position cams with 4 limit switches (ON/OFF version)
- Heating resistor (anti-condensation)
- Internal structure in die-cast aluminium
- Multi-voltage (multiple supply options for flexibility)
- Operating temperature: -20°C to +55°C

#### Value Added

- IP67 protection rating for Series 85
- IP68 protection rating for Series 86

#### Available position indicators

- Manual handwheel
- Flat position indicator – Series 85
- 3D dome position indicator – Series 86

#### Housing materials (optional)

- Self-extinguishing techno-polymer housing – Series 85
- Aluminium alloy enclosure with polyester powder coating – Series 86

#### Certifications

- CE
- RINA Type Approval
- UL
- CSA Group

For the following applications we can support with the relevant valves:

### **LNG and gas systems**

- Ball valves (60%): for isolation, cryogenic or suitable for low temperatures
- Globe valves (10%): for flow regulation, used in gas and steam systems
- Check valves (10%): they prevent flow in pumping lines
- Butterfly valves (5%): used in non-cryogenic auxiliary lines

### **Chemical and fertilizer systems (ammonia, CO<sub>2</sub>, acetylene)**

- Ball valves (40%): rapid isolation of gas and liquid lines (NH<sub>3</sub>, hydrogen, nitrogen, also with special materials or with V-Pack seals)
- Globe valves (20%): for process regulation
- Check valves (10%): to prevent backflow in compressors and pumps, used on gas or steam lines
- Butterfly valves (10%): auxiliary lines for air, water, cooling water, and inert gases

### **General industrial systems (glass, blow moulding, compressed air)**

- Butterfly valves (50%): for flow management on large-diameter pipes
- Ball valves (40%): for quick closing
- Globe valves (10%): for precision adjustments

Please contact us for any additional information, references and inquiries.

### **Manuela Teocchi**

*Marketing and Sales Manager*

[manuela.teocchi@q-boss.com.au](mailto:manuela.teocchi@q-boss.com.au)

