



## CHECK VALVES

### Materials:

- Bronze / Stainless Steel

### Styles:

- Flanged
- Bolted Bonnet
- Wafer

### Sizes:

- Flanged; 15-300mm,
- Screwed/Welded; 15-50mm

### Pressures up to:

- 5,000kPa
- 725psi
- 50bar

### Temperatures:

- -196°C to +120°C

### Connections:

- Flanged
- Screwed
- Welded



## LIQUID CYLINDER VALVES

### Material:

- Forged Brass

### Sizes:

- 8-15mm

### Pressures up to:

- 4,200kPa
- 610psi
- 42bar

### Temperatures:

- -196°C to +70°C

### Connections:

- Screwed
- Stub-ends



## Y- STRAINERS

### Materials:

- Bronze / Stainless Steel

### Sizes:

- Flanged; 15-300mm
- Screwed; 15-50mm

### Pressures up to:

- 5,000kPa
- 725psi
- 50bar

### Temperatures:

- -196°C to +190°C

### Connections:

- Flanged
- Screwed
- Welded



## 3 WAY DIVERTING VALVES

### Materials:

- Bronze / Stainless Steel

### Sizes:

- Flanged; 15-150mm
- Screwed; 15-50mm

### Pressures up to:

- 5,000kPa
- 725psi
- 50bar

### Temperatures: :

- -196°C to +190°C

### Connections:

- Flanged
- Screwed

Proud member of  
the HEROSE Group



Cryogenics



# Cool under pressure

Trusted valves for cryogenic liquefied industrial gases

If your application requires a bespoke, custom-engineered solution, just ask us

Learn more about our extensive range of Cryogenic products at [mackvalves.com](http://mackvalves.com)

To speak directly to our specialist sales team to discuss your Cryogenic valve needs, or to get a personalised quote, call +61 3 9737 5200



## YOUR MACK QUALITY GUARANTEE

Mack Valves Pty Ltd is committed to providing Australian and world markets with a range of industrial valves manufactured to the highest quality and in conformity with appropriate international standards. The Company will maintain its position as a recognised leader in valve design and manufacturing techniques at all times seeking to employ the world's best practice. The requirements and recommendations of ISO 9001:2015 have been adopted without exclusions as the basis for the Company's Quality Management System.



HEAD OFFICE: 30 Burgess Road, BAYSWATER VIC 3153 Australia  
PHONE: MV Australia +61 3 9737 5200, MV India +91 20 6718 1604  
EMAIL: [sales@mackvalves.com](mailto:sales@mackvalves.com)  
[mackvalves.com](http://mackvalves.com) ABN: 99 094 830 145

[mackvalves.com](http://mackvalves.com)





# Cool under pressure

Mack Valves is one of Asia Pacific's leading manufacturers of valves for a diverse range of industrial applications, with a particular focus on an extensive range of cryogenic valves for the processing, transportation and storage of cryogenic fluids and gases.

## Mack Valves extensive range of Cryogenic products include:

### > HIGH LIFT RELIEF VALVES

Valves for pressure relief

### > GLOBE VALVES

Open/close valves for control of flow

### > SCREW-DOWN NON-RETURN VALVES

Controllable lift check valves

### > 3 PIECE BALL VALVES

Open/close valves

### > REDUCING & PRESSURE BUILD VALVES

Control pressure down stream of the valve or pressure build maintains a vessel at a specific pressure

### > CHECK VALVES

Allows flow in one direction only, prevents flow from the opposite direction

### > LIQUID CYLINDER VALVES

Small compact cryogenic service valves

### > Y STRAINER

Keeps your system clean

### > 3 WAY DIVERTING

Diverts pressure to allow maintenance of relief valves

For more than eighty years, Mack Valves have been a uniquely Australian story, designing, manufacturing and selling valves from, and for, one of the worlds harshest and most remote environments.

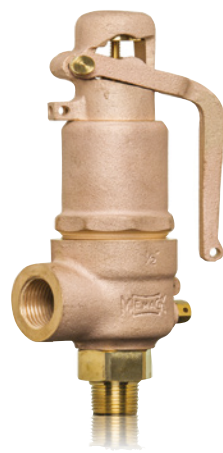
Our Cryogenics story began more than 40 years ago when we were first approached by major industrial gas companies, cryogenic vessel suppliers and end-users to design and build a range of products for them.

To still be doing that more than four decades later, is the result of forty years of proven reliability and our ongoing commitment and support of the Cryogenics Industry.

Today at Mack we produce a complete range of innovative and durable cryogenic valves that set the standards in our region for reliable and safe operation.

Our 'old school' innovation is still with us. If your application requires a bespoke, custom-engineered solution, just ask us. If we haven't designed it yet, that's just because no one has asked us yet!

**We make sure that your system works the way you designed it to work – safely, all the time!**



### HIGH LIFT RELIEF & FULL LIFT NOZZLE VALVES

#### Materials:

- Bronze / Stainless Steel

#### Sizes:

- Flanged; 15-150mm
- Screwed; 15-50mm

#### Pressures up to:

- 9,000kPa
- 1,305psi
- 90bar

#### Temperatures:

- -196°C to +190°C

#### Connections:

- Flanged
- Screwed

\*Available as a Relief or Safety valve



### GLOBE VALVES

#### Materials:

- Bronze / Stainless Steel

#### Styles:

- Bolted Bonnet, Inside Screwed

#### Sizes:

- Flanged; 15-300mm
- Screwed/Welded; 15-50mm

#### Pressures up to:

- 5,000kPa
- 725psi
- 50bar

#### Temperatures:

- -196°C to +120°C

#### Connections:

- Flanged
- Screwed
- Welded



### SCREW-DOWN NON-RETURN VALVES

#### Materials:

- Bronze / Stainless Steel

#### Styles:

- Bolted Bonnet, Inside Screwed

#### Sizes:

- Flanged; 15-300mm
- Screwed/Welded; 15-100mm

#### Pressures:

- 5,000kPa
- 725psi
- 50bar

#### Temperatures:

- -196°C to +120°C

#### Connections:

- Flanged
- Screwed
- Welded



### 3 PIECE BALL VALVES

#### Materials:

- Stainless Steel

#### Sizes:

- 15-50mm

#### Pressures:

- 5,000 kPa
- 725 psi
- 50 bar

#### Temperatures:

- -196°C to +120°C

#### Connections:

- Screwed
- Welded

\*HEROSE Product



### REDUCING & PRESSURE BUILD VALVES

#### Materials:

- Bronze / Stainless Steel

#### Sizes:

- Flanged; 15-150mm
- Screwed; 15-50mm

#### Pressure Build up to:

- 6,000kPa
- 870psi
- 60bar

#### Pressure Reductions up to:

- 3,350kPa
- 485psi
- 33.5bar

#### Temperatures:

- Build; -196°C to +190°C,
- Reductions; -20°C to +190°C

#### Connections:

- Flanged
- Screwed