



**CRYOGENIC
PRODUCTS**

MACKVALVES

LETTING GOOD IDEAS FLOW



RELIEF VALVES

Materials: Bronze / Stainless Steel
Sizes: Flanged; 15-250mm
Screwed; 15-50mm
Pressures: 5,000kPa / 725psi / 50bar
Temperatures: -196°C to 190°C
Connections: Flanged, Screwed
Available as a Relief and Safety valve

HIGH LIFT RELIEF VALVES

Materials: Bronze / Stainless Steel
Sizes: Flanged; 15-100mm
Screwed; 15-50mm
Pressures: 34,450kPa / 4995psi / 344bar
Temperatures: -196°C to 190°C
Connections: Flanged, Screwed
Available as a Relief and Safety valve



GLOBE 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 190°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 190°C
Connections: Flanged, Screwed, Welded



3 PCE BALL VALVES

Materials: Bronze
Sizes: 15-50mm
Pressures: 2,000kPa / 290psi / 20bar
Temperatures: 0°C to 300°C
Connections: Screwed



REDUCING & PRESSURE BUILD VALVES

Materials:	Bronze / Stainless Steel
Sizes:	Flanged; 15-150mm Screwed; 15-50mm
Pressures:	6,000kPa / 870psi / 60bar
Temperatures:	-196°C to 120°C
Connections:	Flanged, Screwed

LIQUID CYLINDER VALVE

Materials:	Forged Brass
Sizes:	8-15mm
Pressures:	4,200kPa / 610psi / 42bar
Temperatures:	-196°C to 70°C
Connections:	Screwed & Stub-ends



CHECK VALVES

Materials:	Bronze / Stainless Steel
Styles:	Bolted or Screwed Cover & Wafer
Sizes:	Flanged; 15-100mm Screwed/Welded; 15-50mm
Pressures:	5,000kPa / 725psi / 50bar
Temperatures:	-196°C to 120°C
Connections:	Flanged, Screwed, Welded Flanged

WAFER CHECK VALVES

Materials:	Bronze / Stainless Steel
Styles:	Bolted Bonnet, Inside Screwed
Sizes:	Flanged; 15-300mm Screwed/Welded; 15-100mm
Pressures:	4,960kPa / 720psi / 50bar
Temperatures:	-196°C to 190°C
Connections:	Flanged, Screwed, Welded



Y-STRAINERS

Materials:	Bronze / Stainless Steel
Sizes:	50-300mm
Pressures:	5,000kPa / 725psi / 50bar
Temperatures:	-196°C to 150°C
Connections:	Flanged, Screwed, Welded



3 WAY DIVERTING

Materials:	Bronze / Stainless Steel
Sizes:	Flanged; 15-300mm Screwed; 15-80mm
Pressures:	5,000kPa / 725psi / 50bar
Temperatures:	0°C to 190°C
Connections:	Flanged, Screwed

4 WAY DIVERTING

Materials:	Bronze / Stainless Steel
Sizes:	Flanged; 15-100mm Screwed; 15-50mm
Pressures:	1,800kPa / 260psi / 18bar
Temperatures:	0°C to 200°C
Connections:	Flanged, Screwed



All build options are available from Mack on special order, thus enabling clients to create their own specifications for their own specific needs, but our stock is based around common material specifications favoured by the cryogenic industry.

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