



164 Series

DISC VALVE

FOR CRYOGENIC AND GAS SERVICE

cryogenic valves

164

DISC VALVE

FOR CRYOGENIC AND GAS SERVICE

SPECIFICATION:

- **DESIGN:** Bronze Bolted Bonnet, outside screw.
- **SEATING:** Glass filled PTFE disc, removable seat.
- **CONSTRUCTION:** Bronze and Stainless steel.
- **SIZES:** 2 ½" through 12"
(65mm through 300mm)
- **ENDS:** ANSI 150, ANSI 300 or to specification
- **SERVICE:** Cryogenic and Gas
- **TEMPERATURE RANGE:**
Minus - 196°C to + 150°C.
- **PRESSURE RATING** (cold, non-shock):
Flanged Class 150: 225 psig (15.5 bar)
Flanged class 300: 500 psig (34.5 bar)



**Manufactured in materials to meet international standards*

FEATURES AND APPLICATIONS:

Bolted bonnet bronze globe valve for cryogenic and gas process applications.

Suitable for oxygen service.

Also available in stainless steel and monel construction.

For more information on design and pricing, contact your nearest Mack outlet.

Mack Valves Head Office
30 Burgess Road
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Series 1641A (Gas Service)

Flanged Ends			
Size		Wt	
		lbs	(kg)
2 1/2"	(65mm)	46.2	(21.0)
3"	(80mm)	63.8	(29.0)
4"	(100mm)	129.8	(59.0)
5"	(125mm)	211.2	(96.0)
6"	(150mm)	290.4	(132.0)
8"	(200mm)	422.4	(192.0)
10"	(250mm)	968.0	(440.0)
12"	(300mm)	1100.0	(500.0)

Series 1641ACR (Cryogenic Service)

Flanged Ends			
Size		Wt	
		lbs	(kg)
2 1/2"	(65mm)	48.4	(22.0)
3"	(80mm)	68.2	(31.0)
4"	(100mm)	134.2	(61.0)
5"	(125mm)	215.6	(98.0)
6"	(150mm)	297.0	(135.0)
8"	(200mm)	429.0	(195.0)
10"	(250mm)	979.0	(445.0)
12"	(300mm)	1111.0	(505.0)

Series 1643A (Gas Service)

Flanged Ends			
Size		Wt	
		lbs	(kg)
2 1/2"	(65mm)	46.2	(21.0)
3"	(80mm)	63.8	(29.0)
4"	(100mm)	129.8	(59.0)
5"	(125mm)	211.2	(96.0)
6"	(150mm)	290.4	(132.0)
8"	(200mm)	422.4	(192.0)
10"	(250mm)	968.0	(440.0)
12"	(300mm)	1110.0	(500.0)

Series 1643ACR (Cryogenic Service)

Flanged Ends			
Size		Wt	
		lbs	(kg)
2 1/2"	(65mm)	48.4	(22.0)
3"	(80mm)	68.2	(31.0)
4"	(100mm)	134.2	(61.0)
5"	(125mm)	215.6	(98.0)
6"	(150mm)	297.0	(135.0)
8"	(200mm)	429.0	(195.0)
10"	(250mm)	979.0	(445.0)
12"	(300mm)	1111.0	(505.0)

Ends Flanged

GAS VALVE

- 1641A** = ANSI 150 Flat Face
- 1643A** = ANSI 300 Flat Face
- 1641AR** = ANSI 150 Raised Face
- 1643AR** = ANSI 300 Raised Face

CRYOGENIC VALVES

- 1641ACR** = ANSI 150 Flat Face
- 1643ACR** = ANSI 300 Flat Face
- 1641ARCR** = ANSI 150 Raised Face
- 1643ARCR** = ANSI 300 Raised Face

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