



574 Series

CRYOGENIC BALL VALVE

FOR CRYOGENIC & GAS SERVICE

CRYOGENIC VALVES

574

BALL VALVE
FOR CRYOGENIC & GAS SERVICE

SPECIFICATION:

- **DESIGN:** Bronze 2 piece body.
- **SEATING:** Carbon and glass filled PTFE.
- **CONSTRUCTION:** Bronze, stainless steel.
- **SIZES:** 1/2" Through 8"
15mm through 200mm)
- **ENDS:** ANSI 150, ANSI 300, BSP, NPT,
or to specification.
- **SERVICE:** Cryogenic and gas
- **TEMPERATURE RATING:**
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 body flanged ball valve for gas and cryogenic service.

Standard with bronze vented ball.

Available in stainless steel and monel construction.

Suitable for actuation to client's specification.

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

Suitable for Oxygen service.



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cryogenic valves

Series 5741A

Flanged Ends			
Size		Wt	
		lbs	(kg)
1/2"	(15mm)	8.1	(3.7)
3/4"	(20mm)	8.1	(3.7)
1"	(25mm)	10.3	(4.7)
1 1/4"	(32mm)	14.7	(6.7)
1 1/2"	(40mm)	19.8	(9.0)
2"	(50mm)	26.4	(12.0)
2 1/2"	(65mm)	41.8	(19.0)
3"	(80mm)	61.6	(28.0)
4"	(100mm)	90.2	(41.0)
5"	(125mm)	209.0	(95.0)
6"	(150mm)	242.0	(110.0)
8"	(200mm)	501.6	(228.0)

Series 5741ACR

Flanged Ends			
Size		Wt	
		lbs	(kg)
1/2"	(15mm)	9.9	(4.5)
3/4"	(20mm)	13.6	(6.2)
1"	(25mm)	17.6	(8.0)
1 1/4"	(32mm)	24.2	(11.0)
1 1/2"	(40mm)	29.2	(13.3)
2"	(50mm)	35.2	(16.0)
2 1/2"	(65mm)	48.4	(22.0)
3"	(80mm)	88.0	(40.0)
4"	(100mm)	121.0	(55.0)
5"	(125mm)	242.0	(110.0)
6"	(150mm)	286.0	(130.0)
8"	(200mm)	539.0	(245.0)

Series 5743A

Flanged Ends			
Size		Wt	
		lbs	(kg)
1/2"	(15mm)	8.4	(3.8)
3/4"	(20mm)	8.4	(3.8)
1"	(25mm)	10.6	(4.8)
1 1/4"	(32mm)	15.4	(7.0)
1 1/2"	(40mm)	20.9	(9.5)
2"	(50mm)	27.5	(12.5)
2 1/2"	(65mm)	44.0	(20.0)
3"	(80mm)	63.8	(29.0)
4"	(100mm)	92.4	(42.0)
5"	(125mm)	213.4	(97.0)
6"	(150mm)	253.0	(115.0)
8"	(200mm)	523.6	(238.0)

Series 5743ACR

Flanged Ends			
Size		Wt	
		lbs	(kg)
1/2"	(15mm)	4.7	(2.1)
3/4"	(20mm)	6.8	(3.1)
1"	(25mm)	8.2	(3.7)
1 1/4"	(32mm)	11.3	(5.1)
1 1/2"	(40mm)	14.0	(6.4)
2"	(50mm)	16.5	(7.5)
2 1/2"	(65mm)	23.0	(10.5)
3"	(80mm)	42.0	(19.1)
4"	(100mm)	54.0	(24.5)
5"	(125mm)	110.0	(50.0)
6"	(150mm)	140.0	(63.6)
8"	(200mm)	265.0	(120.5)

Ends Flanged

Gas Valves

5741A = ANSI 150 Flat Face

5743AR = ANSI 300 Raised Face

Ends Flanged

Cryogenic Valves

5741ACR = ANSI 150 Flat Face

5743ACR = ANSI 300 Raised Face

150mm and above for gas service come standard with gear box.

80mm and above for cryogenic service come standard with gear box.

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