



193 Series

CRYOGENIC DISC VALVE

FOR CRYOGENIC SERVICE

SPECIFICATION:

DESIGN: Bronze Union bonnet.

SEATING: Glass filled PTFE disc, integral seat.

CONSTRUCTION: Bronze, stainless steel.

SIZES: 1/4" Through 2"
(8mm through 50mm)

ENDS: BSPT, NPT, extended toe nipples.
ANSI 150, ANSI 300 or to specification.

SERVICE: Cryogenic.

TEMPERATURE RATING:
Minus - 196°C to + 150°C

PRESSURE RATING: (cold, non-shock):
Screwed: 600 psig (42.0 Bar)
Flanged Class 150: 225 psig (15.5 Bar)
Flanged Class 300: 500 psig (34.5 Bar)

**Manufactured in materials to meet international standards*



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DISC VALVE

FOR CRYOGENIC SERVICE

FEATURES AND APPLICATIONS:

Quality design bronze globe valve for cryogenic service with glass filled PTFE disc and union bonnet with cryogenic extensions.

Available in stainless steel and monel construction.

Suitable for oxygen service.

Available with stub ends.

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



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cryogenic valves

Model 1938CR

Size	Wt	
	lbs	(kg)
1/4"-3/8" (8-10mm)	3.5	(1.6)
1/2" (15mm)	3.5	(1.6)
3/4" (20mm)	5.1	(2.3)
1" (25mm)	6.4	(2.9)
1 1/4" (32mm)	7.9	(3.6)
1 1/2" (40mm)	12.3	(5.6)
2" (50mm)	17.9	(8.15)

Ends Screwed

1938ACR = NPT ends

1938CR = BSPT ends

Model 1931ACR

Flanged Ends		
Size	Wt	
	lbs	(kg)
1/2" (15mm)	10.6	(4.8)
3/4" (20mm)	10.6	(4.8)
1" (25mm)	13.2	(6.0)
1 1/4" (32mm)	19.8	(9.0)
1 1/2" (40mm)	33.0	(15.0)
2" (50mm)	41.8	(19.0)

Ends Flanged

1931ACR = ANSI 150 Flat Face

1933ACR = ANSI 300 Raised Face

Model 1933ACR

Flanged Ends		
Size	Wt	
	lbs	(kg)
1/2" (15mm)	11.6	(5.3)
3/4" (20mm)	11.6	(5.3)
1" (25mm)	15.4	(7.0)
1 1/4" (32mm)	22.0	(10.0)
1 1/2" (40mm)	35.2	(16.0)
2" (50mm)	44.0	(20.0)

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