



143 Series

DISC VALVE FOR GAS SERVICE

SPECIFICATION:

- **DESIGN:** Bronze Union Bonnet
- **SEATING:** Glass filled PTFE disc, integral seat.
- **CONSTRUCTION:** Bronze
- **SIZES:** 1/4 " through 2"
(8mm through 50mm)
- **ENDS:** BSPT, NPT, extended toe nipples.
ANSI 150, ANSI 300 or to specification
- **SERVICE:** Atmospheric Gases.

TEMPERATURE RANGE:

-20°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*

FEATURES AND APPLICATIONS:

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

Available in stainless steel, monel and cast steel construction.

Suitable for oxygen service.

Available with stub ends.

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



143 Series

DISC VALVE

FOR GAS SERVICE

Model 1438

Size		Wt	
		lbs	(kg)
1/4"-3/8"	(8-10mm)	2.7	(1.2)
1/2"	(15mm)	2.7	(1.2)
3/4"	(20mm)	3.5	(1.6)
1"	(25mm)	5.7	(2.6)
1 1/4"	(32mm)	5.9	(2.7)
1 1/2"	(40mm)	11.2	(5.1)
2"	(50mm)	15.6	(7.1)

Ends Screwed
1438A = NPT ends
1438B = BSPT ends

Model 1431A

Flanged Ends			
Size		Wt	
		lbs	(kg)
1/2"	(15mm)	6.6	(3.0)
3/4"	(20mm)	8.1	(3.7)
1"	(25mm)	9.9	(4.5)
1 1/4"	(32mm)	12.1	(5.5)
1 1/2"	(40mm)	16.6	(7.5)
2"	(50mm)	25.3	(11.5)

Ends Flanged
1431A = ANSI 150 Flat Face
1433AR = ANSI 300 Raised Face

Model 1433A

Flanged Ends			
Size		Wt	
		lbs	(kg)
1/2"	(15mm)	6.6	(3.0)
3/4"	(20mm)	8.4	(3.8)
1"	(25mm)	10.8	(4.9)
1 1/4"	(32mm)	13.2	(6.0)
1 1/2"	(40mm)	17.6	(8.0)
2"	(50mm)	26.4	(12.0)

DISC VALVE
FOR GAS SERVICE

143

cryogenic valves

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