



# 354 Series

## PISTON CHECK VALVE

FOR CRYOGENIC OR GAS SERVICE

cryogenic valves

# 354

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### SPECIFICATION:

- **DESIGN:** Bronze piston type, screwed cap.
- **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 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:

Bronze piston check available with spring assistance for drip tight closure.

Available in stainless steel and monel construction.

Available with stub ends.

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



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**PISTON CHECK**  
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**354**

cryogenic valves

### Model 3548CR

<i>Flanged Ends</i>			
Size		Wt	
		lbs	(kg)
1/4"	(10mm)	0.7	(0.3)
1/2"	(15mm)	1.1	(0.5)
3/4"	(20mm)	2.2	(1.0)
1"	(25mm)	3.1	(1.4)
1 1/4"	(32mm)	5.5	(2.5)
1 1/2"	(40mm)	7.5	(3.4)
2"	(50mm)	12.1	(5.5)

#### Ends Screwed

**3548ACR** = NPT ends  
**3548FCR** = BSPT ends

### Model 3541CR

<i>Flanged Ends</i>			
Size		Wt	
		lbs	(kg)
1/2"	(15mm)	6.6	(3.0)
3/4"	(20mm)	7.7	(3.5)
1"	(25mm)	8.8	(4.0)
1 1/4"	(32mm)	11.0	(5.0)
1 1/2"	(40mm)	15.4	(7.0)
2"	(50mm)	22.0	(10.0)

#### Ends Flanged

**3541ACR** = ANSI 150 Flat Face  
**3543ACR** = ANSI300 Flat Face  
**3541ARCR** = ANSI 150 Raised Face  
**3543ARCR** = ANSI 300 Raised Face

### Model 3543CR

<i>Flanged Ends</i>			
Size		Wt	
		lbs	(kg)
1/2"	(15mm)	6.8	(3.1)
3/4"	(20mm)	8.1	(3.7)
1"	(25mm)	9.2	(4.2)
1 1/4"	(32mm)	11.7	(5.3)
1 1/2"	(40mm)	16.5	(7.5)
2"	(50mm)	23.1	(10.5)

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