



**Circle Valve Technologies Inc.**  
307 Derstine Ave, Suite 204  
Lansdale, PA 19446

**Toll Free:** 800-645-6733  
**Phone:** 267-933-6300  
**Fax:** 267-933-6305  
**Email:** [sales@circlevalve.com](mailto:sales@circlevalve.com)

## Item # 249B-3PP, 200 Series Check Valves 0 to 3000 psig

### Features & Benefits

- **Quick opening/positive closing**

Provides a wide range of adaptability

- **Large flow capacity**

The patented sealing principle effects complete leakproof closing under all pressure conditions

- **Zero leakage**

Compact, easy installation. Efficient inline piston reduces size and weight

### Note:

Other o'ring materials are available,  
Crack pressures (up to 25 psi),  
Other end connections are available.



List Price

**QUOTE**

[Specifications](#) | [Leakage & Operating Pressure](#) | [Flow Rates](#) | [Safety](#)

### Specifications

<b>Series</b>	200
<b>Body Material</b>	Brass
<b>O-Ring Material</b>	Buna N
<b>Connection Size</b>	3/8 in
<b>End Connections (Inlet/Outlet)</b>	Female NPT
<b>Operating Pressure</b>	0 to 3000 psig
<b>Cracking Pressure</b>	2 to 4 psig

<b>Available Cracking Pressures</b>	0.1 to 25 psi
<b>Operating Temperature</b>	-65 to 250 °F
<b>Flow Coefficient (Cv)</b>	3.50
<b>Spring Material</b>	302 Stainless Steel
<b>Proof Pressure</b>	4500 psig
<b>Rated Burst Pressure</b>	7500 psig
<b>Dim. A</b>	2.43 in
<b>Dim. B</b>	1.12 in
<b>Dim. E</b>	0.15 in
<b>Weight</b>	.43 lbs
<b>Optional Body Material</b>	2024–T4/T351 aluminum 303 stainless steel 316 Stainless Steel Brass Carbon steel
<b>Optional End Connections</b>	B - Female Tube, AND10050 C - Gyrolok® Tube Fittings K - British Parallel Pipe (Male) L - British parallel pipe (female) S - British Taper Pipe (Male) T - Male tube, AS4395 (MS33656) X - British Taper Pipe (Female)

## Leakage & Operating Pressure

### Leakage

- **External:-** Zero

- **Internal:-**

**Elastomeric seals:-** Zero

**Teflon® seals:-**

- 0-50 psig = 5cc/min. max.
- 50+ psig = 0.5cc/min. max.

### Operating Pressure:

Aluminum (A)	Tube	3/16" - 1 1/2"	0 - 3000 psig to 200° F
	Pipe	1/8" - 1 1/2"	0 - 3000 psig to 200° F
Brass	Tube	3/16" - 1 1/2"	0 - 3000 psig to 200° F
	Pipe	1/8" - 1 1/2"	0 - 3000 psig to 200° F

	Pipe	2"	0 - 1500 psig to 300° F
Steel	Tube	3/16" - 1 1/2"	0 - 3000 psig to 200° F
	Pipe	1/8" - 1 1/2"	0 - 3000 psig to 200° F
Stainless steel	Tube	3/16" - 1 1/2"	0 - 3000 psig to 200° F
	Pipe	1/8" - 2"	0 - 3000 psig to 200° F

## Flow Rates

Valve Size	Tube	3	4	6	8	10	12	16	20	24	32
	Pipe			1	2	3	4	6	8	10- 12	16
Cv (nominal)		0.30	0.7	1.6	2.7	3.5	6.6	10.3	12.5	23.2	51

## Safety

### For Your Safety

It is solely the responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or property damage.