



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

Item # 280T1-6PP, 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

Series	200
Body Material	316 Stainless Steel
O-Ring Material	Teflon®
Connection Size	3/4 in
End Connections (Inlet/Outlet)	Female NPT
Operating Pressure	0 to 3000 psig
Cracking Pressure	up to 8 psig

Available Cracking Pressures	0.1 to 25 psi
Operating Temperature	-320 to 165 °F
Flow Coefficient (Cv)	10.3
Spring Material	302 Stainless Steel
Proof Pressure	4500 psig
Rated Burst Pressure	7500 psig
Dim. A	3.37 in
Dim. B	1.75 in
Dim. C	1 3/4 in
Dim. D	1.50 in
Dim. E	0.49 in
Weight	1.41 lbs
Optional Body Material	2024–T4/T351 aluminum 303 stainless steel 316 Stainless Steel Brass Carbon steel
Optional End Connections	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.