

CHECK VALVES TECHNICAL SPECIFICATIONS

No. 300: Buna-S Rubber Poppet for General Purpose Applications



DESCRIPTION/FEATURES

The No. 300 check valve is made of a one-piece cast brass body. Designed to operate in any position, a sensitive spring has been added to close the poppet automatically. The rubber poppet is fully-formed around a solid steel insert to provide greater strength in commercial applications. Each valve is tested twice for casting integrity and backflow prevention. All valves are 100% American-Made and built to last.

APPLICATIONS

Used as all purpose check valve for multiple applications, including cold and warm water, ethylene, and glycol.

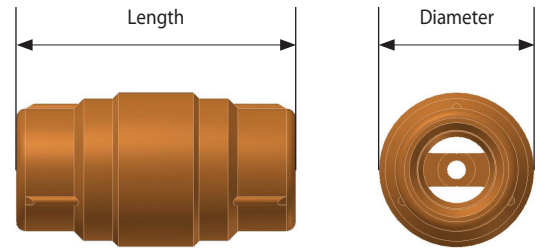
FLOW RATE (Cv)

SIZE	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	*3"	**3"	4"
GPM	2	3	5	8	17	32	52	69	185	69	240

C_v is flow (GPM) with a 1 psi differential pressure.

MATERIAL SPECIFICATIONS

Part Name	Material
Body	Cast Bronze C84400
Stem	303 Stainless Steel
Poppet	Buna-S Rubber
Spring	302 Stainless Steel
Cup Washer	304 Stainless Steel
Locknut	316 Stainless Steel
Country of Origin	Made in the USA



DIMENSIONS

PIPE SIZE	300 SERIES PART NO.	OVER-ALL LENGTH	VALVE DIAMETER	VALVE WEIGHT
3/8"	300-038	2.63"	1.16"	0.50 lb
1/2"	300-050	2.69"	1.40"	0.60 lb
3/4"	300-075	3.31"	1.62"	0.90 lb
1"	300-100	3.69"	2.00"	1.25 lb
1-1/4"	300-125	4.57"	2.41"	2.00 lb
1-1/2"	300-150	4.88"	2.69"	2.45 lb
2"	300-200	5.56"	3.34"	3.90 lb
2-1/2"	300-250	6.79"	3.81"	7.15 lb
*3"	300-300-F	7.40"	4.71"	11.80 lb
**3"	300-300	6.79"	3.81"	6.60 lb
4"	300-400	10.00"	5.80"	21.70 lb

OPERATING SPECIFICATIONS

Maximum Temperature	225°F
Working Pressure	400 psi
Cracking Pressure	1-2 lbs
Optional Cracking Pressure	1/2, 5 or 10 lbs

NPT threaded. *New valve: Standard female threads on both ends, C_v factor of 185. ** Original valve: 2-1/2" valve body with 3" male thread on both ends, C_v factor of 69.