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STRATAFLO

PRODUCTS, INC.

Model No. 300-300-F 3" FNPT Brass Check Valve

WRITTEN SPECIFICATION

The 3" FNPT is a brass check valve 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 conical poppet is molded around a heavy steel insert to provide strength in commercial applications. Each valve is tested twice for casting integrity and backflow prevention.



MATERIAL SPECIFICATIONS	
Part	Material
Casting Body	C84400 Cast Red Brass
Optional Casting Body (Model F300-300-F)	C89833 Cast No-Lead Brass
Stem	303 Stainless Steel
Rubber Poppet	Buna-S
Optional Rubber Poppet	Buna-N
Optional Rubber Poppet	EPD
Spring	302 Stainless Steel
Cup Washer	302 Stainless Steel
Top Locknut	302 Stainless Steel

TECHNICAL SPECIFICATIONS	
Length	7.40 inches
Max Diameter	4.71 inches
Weight	11.8 lbs
Max. Operating Pressure	200 psi
Max. Temperature	225° F
Cracking Pressure	1-2 lbs

APPLICATIONS	
No. 300	Cold and warm water, ethylene, glycol
No. 375	Gasoline, diesel fuel, oil and hydraulic fluid
No. 385	Chemical, detergent and salt water

FEATURES

- Noiseless, fully-formed rubber poppet
- Heavier casting walls for strength in commercial applications
- Engineered for maximum flow
- 100% American made and built to last
- Available in three types of rubber, depending on the application



Flexible rubber poppet reinforced with a metal insert

FLOW ANALYSIS

The new Strataflo 3" FNPT check valve has been designed for maximum flow. It was tested in accordance with ANSI/ISA S75.02.01 -2008 (Control valve capacity test procedures). The Strataflo valve was tested along with several industry leaders; the results are shown below.

Cv Comparison Chart	
Brand	Cv Factor
New Strataflo 3" FNPT	185
Original Strataflo 3" MNPT	68.5
Competitor A	160
Competitor B	111
Competitor C	92

Cv Factor is defined as the amount of water (GPM) that will pass through the valve with a one (1) psi pressure drop.

300-300-F
Flow Chart

