

## INTRODUCTION

Valcor Scientific, a Division of Valcor Engineering, has designed and engineered rugged, reliable solenoid operated valves and related fluid control components for more than 50 years.

The Model SV111T is a high purity, spring activated check valve specifically engineered to provide fast acting response to pressure fluctuations.

## DESCRIPTION

The SV111T is a spring-activated check valve with disc type seating.

It has a relatively low, yet realistic rated cracking pressure, resulting in quick response to changes in fluid pressures.

The optically flat Teflon® seal disc and seat provides drip tight sealing on most fluids. It's small physical size and inert construction provides compatibility for a wide range of fluids.

All materials in contact with fluid are TFE Teflon® and the stainless steel closing spring is coated with virgin TFE Teflon®. This provides positive shutoff, even at low pressures, and protects the spring from corrosive

liquids.

## APPLICATIONS

Model SV111T is suitable for a broad range of industrial applications, both new and retrofit. Typical applications employing Model SV111T include:

- Unidirectional flow of ink and toner in printing ink systems.
- Eliminates back-flow of chemicals in graphic arts film.
- Prevents leak-back of reagents in analytical chemistry instruments.

## FEATURES

- Small physical size.
- Inert construction for widest fluid compatibility.
- Low cracking pressure.
- Pressures to 100 PSIG.
- Drip-tight shutoff.
- Mountable in any position.

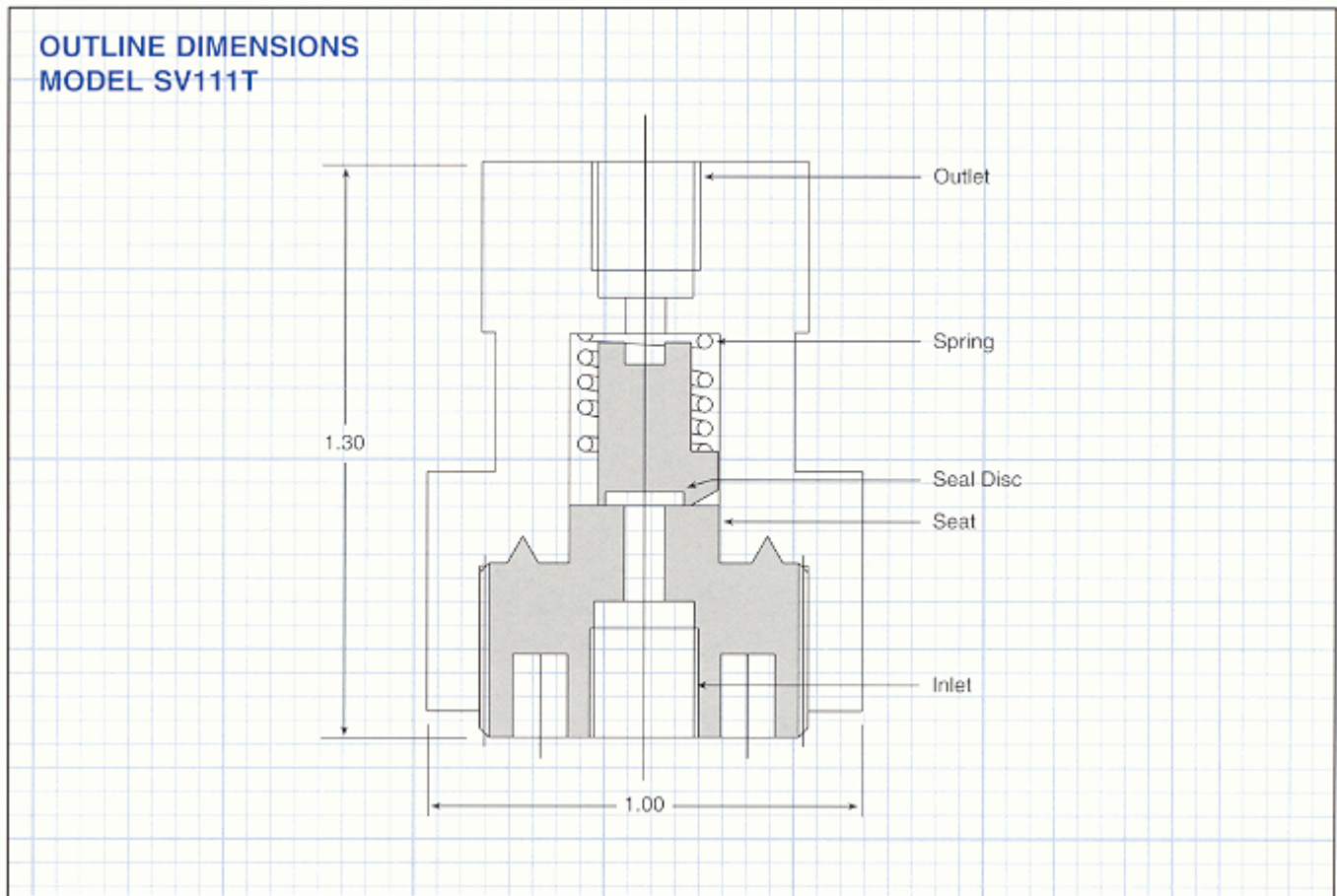
## SPECIFICATIONS

Size: ..... 1.00" Diameter x 1.32" L  
Weight: ..... 9 oz (15.5 g)  
Port Connection: ..... 1/4-28 UNF Flat Bottom  
Materials in Contact with Fluid: TFE Teflon®  
Operating Pressure: ..... 0-100 PSIG  
Cracking Pressure: ..... 2 PSIG or less  
Operating Temperature: ..... 32°F to 250°F  
Cv: ..... 0.1  
Fluid Temperature: ..... 32°F to 250°F  
Special Requirements: ..... Consult factor

*Teflon® is a registered trademark of the DuPont company*

## ORDERING INFORMATION

Please specify Model Number SV111T-H17



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**Valcor Scientific**

**Valcor Engineering Corporation®**

2 Lawrence Road • Springfield, New Jersey 07081

973-467-8400 • Fax: 973-467-9592

scientific@valcor.com • www.valcor.com