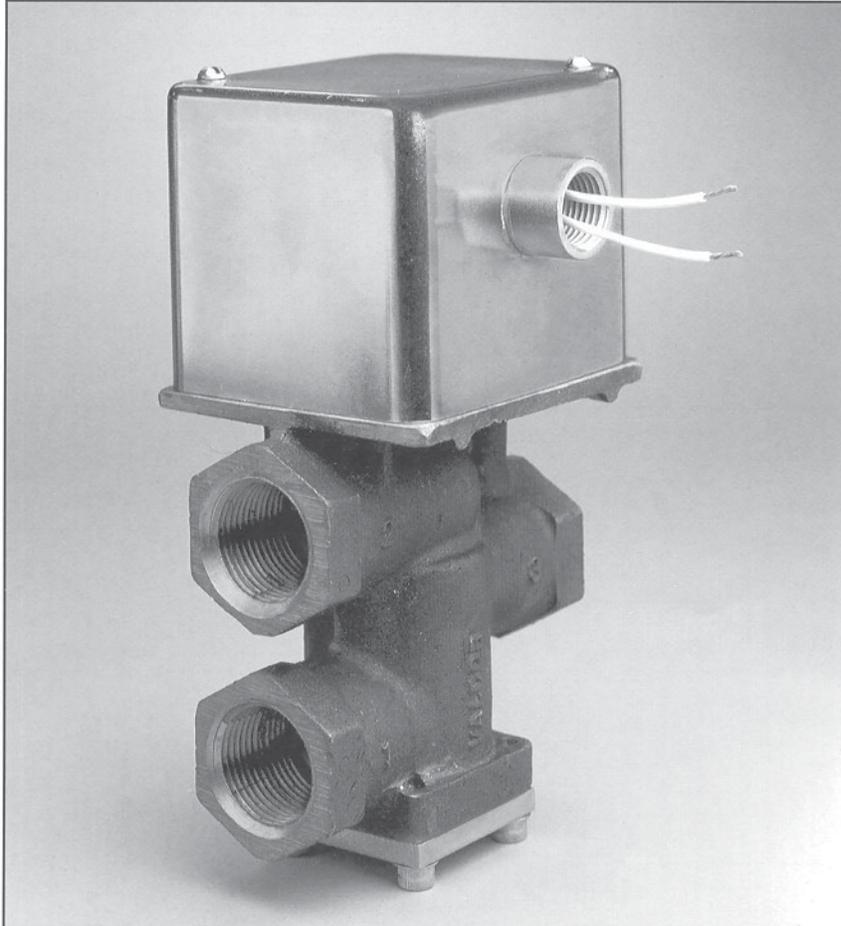


Multi-Purpose Solenoid Valve

Balanced Poppet, 3-Way, Normally Closed

Model: SV85



APPLICATIONS

Model SV85 is suitable for a broad range of industrial applications, both new and retrofit. Typical applications employing Model SV85 include:

- Water diverters in car washing equipment
- Circulation controller in high pressure water washers
- Zero (use a delta) drain down in fire stand pipe

FEATURES

- Direct acting design - no minimum operating pressure
- Elimination of pilot holes to reduce chance of clogging
- 625 PSIG pressure capability
- Bubble-tight shutoff
- Fail-safe position in the event of power interruption
- Line mountable

INTRODUCTION

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

The SV85 Model was specifically engineered for controlling steam, water, gas, oil and other fluids in a variety of industrial markets.

DESCRIPTION

The SV85 is a 3-way, direct acting balanced poppet solenoid valve that can be used in diverter, normally

open or normally closed configurations.

Its vertical, upright mounting orientation, allows for a fail-safe position in the event of power failure.

Because balanced poppet solenoid valves are direct acting (open and close independent of the operating pressure), they are uniquely designed to require no minimum operating pressure. In addition, this design eliminates pilot pistons and pilot holes, which can stick or become clogged.

SPECIFICATIONS

Size: 8.60" H x 4.50" W x 4.0" D
Weight: 7.3 lbs. (3.3 kg.)
Port Connection: 1" NPT
Materials in Contact with Fluid: Naval Bronze body, stainless steel trim, EPDM, Buna-N seals
Coil Construction: UL Class H w/10" leads
Power: 23 watts (115/60Hz)
Valve Orientation: Valves must be mounted in vertical, upright position
Special Requirements: Consult factory

PERFORMANCE SPECIFICATIONS

| C _v | Flow Code | 115V/60Hz | | |
|----------------|-----------|-----------|--------|-------|
| | | Gas | Liquid | Steam |
| 7.0 | D | 625 | 625 | 200 |
| | O | 250 | 250 | 200 |
| | C | 250 | 250 | 200 |

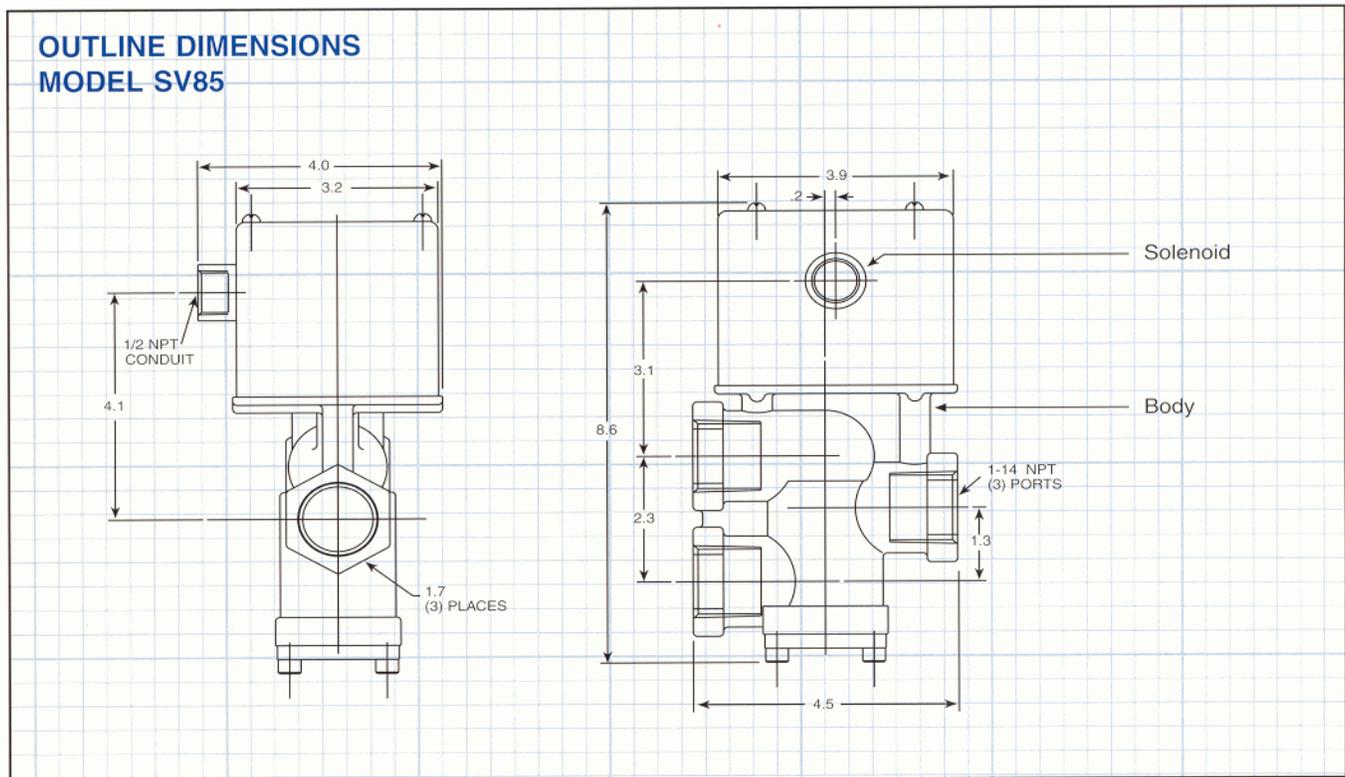
Elastomer Code: BUNA N = 6 (Standard for D & O)
EPDM = 7 (Standard for C)

ORDERING INFORMATION

Select the elastomer code from the table above.

Example:

SV85C18H (Elastomer Code) = SV85C18HD2



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