

# SV2 SERIES

2 - 6 PSIG RELIEF



## VACUUM SEAL-OFF VALVES AND VALVE OPERATORS

### Features

- Vacuum Tight Seal
- Tamper Resistant
- Easy Access to Vacuum
- Functional & Reliable
- Full Flow Design
- Low Profile & Compact Design

### Applications

- High Vacuum Tanks
- High Vacuum Dewars
- Low Pressure Gas Systems
- Vacuum Insulated Cryogenic Piping Systems
- Cold Box Vacuum Systems



### Technical Data

#### Operating Ranges

Temperature .....-20°F to +150°F;  
-29°C to +66°C

Relief Pressure .....2 to 6 PSIG

#### Materials of Construction

Body .....300 Series S/S  
or 6061 Aluminum

Plug .....Brass (1" valve plug  
300 Series S/S)

Disc .....300 Series S/S

O-Ring .....Viton®

Cap .....Plastic

#### Tests

Seat Leakage .....Mass spec. less than  
1x10<sup>-9</sup> scc GHe/sec  
(Exclusive of O-ring  
Permeability) at  
Ambient Temp.

#### Connection

Valve .....Butt Weld

Operator .....ISO Flange or Tube

#### Valve Size

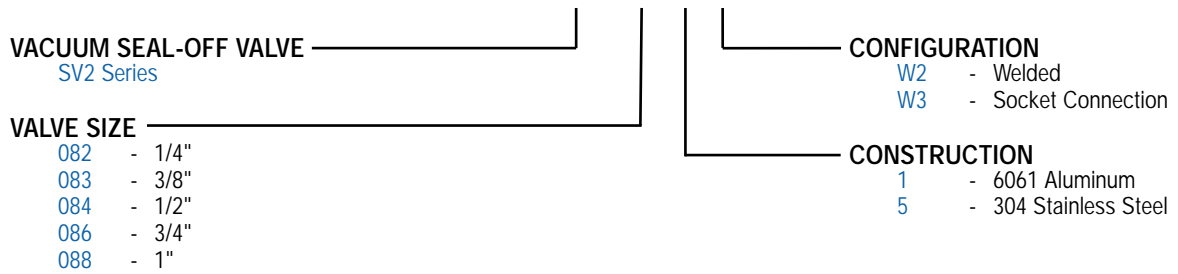
1/4" to 1"

# SV2 SERIES

2 to 6 PSIG RELIEF

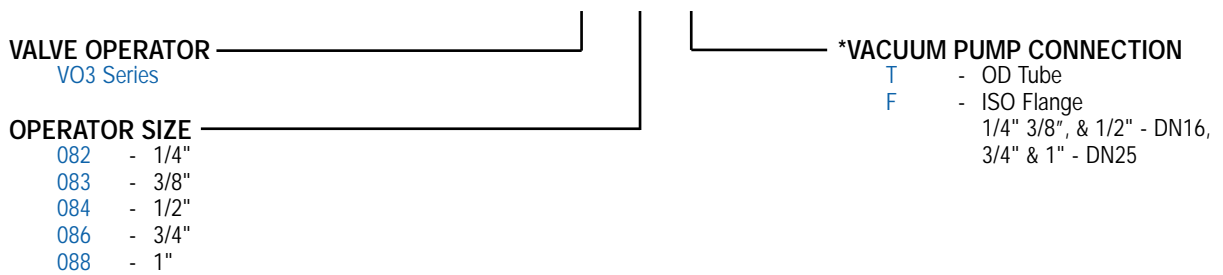
## How To Order

SV2 - 088 - 1 W2

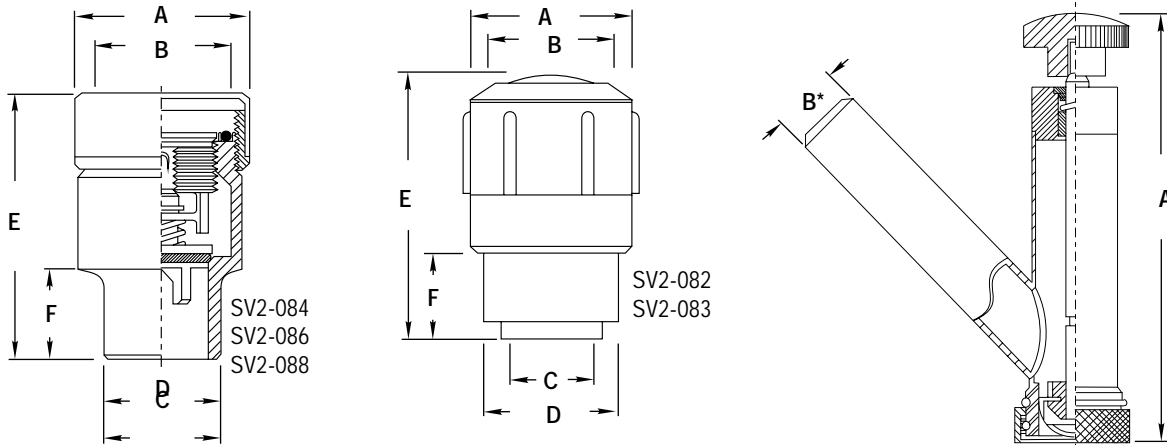


Valve Operators used in conjunction with valves during pumping operation:

VO3 - 088 T



## Dimensions



SV2 SERIES VALVE DIMENSIONS

Part No.	A	B	C	D	E	F
SV2-082-	0.75	0.56	0.31	0.63	1.30	0.38
SV2-083-	1.00	0.75	0.50	0.88	1.80	0.63
SV2-084-	1.19	1.06	0.50	0.75	2.20	0.56
SV2-086-	1.50	1.38	0.75	1.00	2.30	0.75
SV2-088-	1.75	1.63	1.00	1.25	2.90	0.94

VO3 SERIES OPERATORS  
STAINLESS STEEL DIMENSIONS

Part No.	A	B*
VO3-082-	4.38	0.625
VO3-083-	4.38	0.625
VO3-084-	4.38	0.625
VO3-086-	4.63	0.875
VO3-088-	5.00	1.125

\*Optional ISO Flange