

**VACUUM SEAL OFF VALVES &
VALVE OPERATORS**

SV2/SV3 SERIES

2 - 6 PSIG RELIEF



APPLICATIONS

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



FEATURES

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



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 Stainless Steel
 or 606 Aluminium
 Plug Brass
 (1" valve plug 300 Series SS)
 Disc 300 Series Stainless Steel
 O-Ring FKM
 Cap All SV2 - plastic
 1/4" & 3/8" VS3 - plastic
 1/2", 3/4", 1"
 SV 3-300 Series SS
 Poppet 300 Series Stainless Steel
 or 606 Aluminium

Qualification Tests:

Seat Leakage Mass Spec less than
 1x10⁻⁹ scc GHe/sec
 (exclusive of O-ring
 permeability) at
 ambient temp

Connection:

Valve Butt Weld
 Operator ISO Flange or Tube

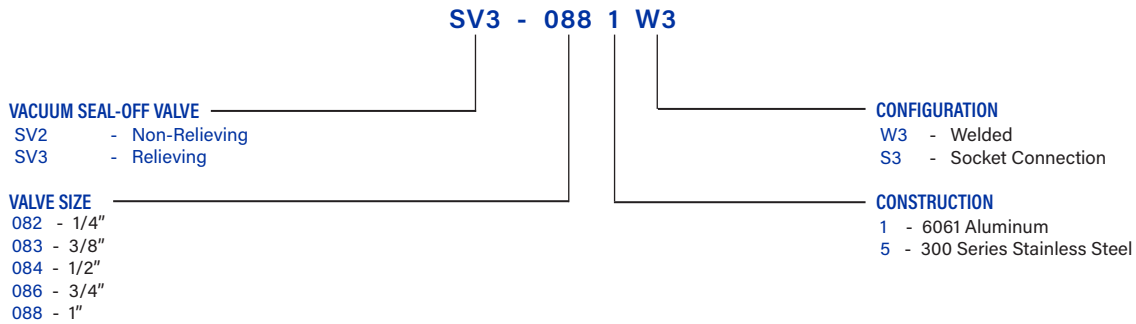
Valve Size:

1/4" - 1"

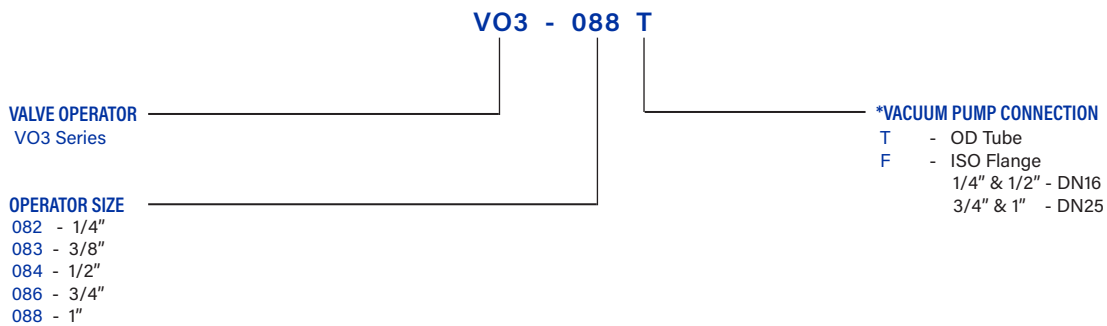


SV2/SV3 SERIES 2 - 6 PSIG RELIEF

ORDERING GUIDE

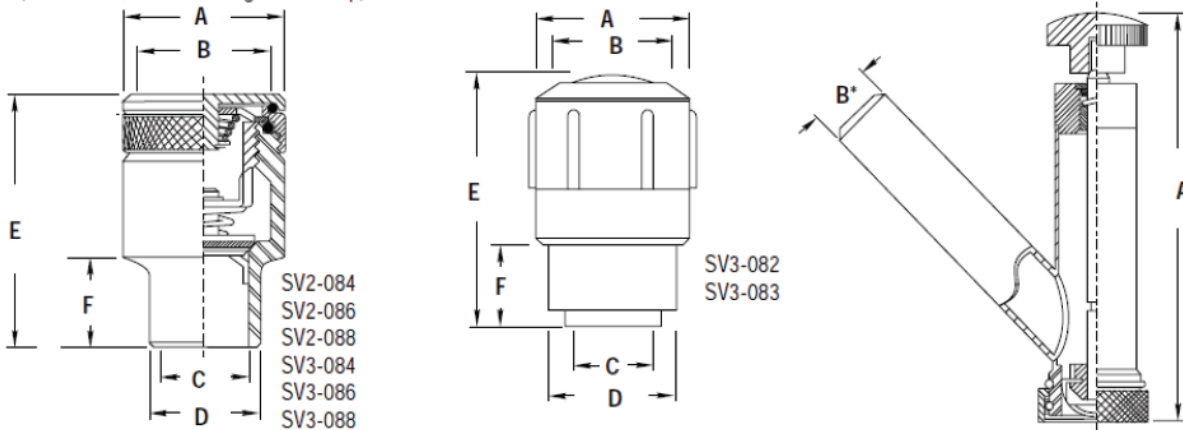


Valve Operators used in conjunction with valves during pumping operation:



DIMENSIONS

SV3 Seal-Off Valve with Metal Relieving Cap
(SV2 Similar, with Relieving Plastic Cap)



SV1 & SV3 SERIES VALVE DIMENSIONS

Part No.	A	B	C	D	E	F
SV2-084-	1.25	1.06	0.50	0.75	2.10	0.75
SV2-086-	1.63	1.38	0.75	1.00	2.50	0.75
SV2-088-	1.88	1.63	1.00	1.25	2.84	0.94
SV3-082-	0.75	0.56	0.31	0.63	1.32	0.38
SV3-083-	1.00	0.75	0.50	0.88	1.63	0.63
SV3-084-	1.19	1.06	0.50	0.75	2.00	0.39
SV3-086-	1.54	1.38	0.75	1.00	2.13	0.75
SV3-088-	1.75	1.63	1.00	1.25	2.75	0.88

VO3 SERIES OPERATORS
STAINLESS STEEL DIMENSIONS

Operator 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