

VACUUM SEAL-OFF VALVES AND VALVE OPERATORS

SV8 SERIES

3 to 9 PSIG



APPLICATIONS

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



FEATURES

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

Testing:

Seat Leakage Mass spec. less than
 1×10^{-9} scc GHe/sec
 Bubble Tight to 150 PSIG
 300 PSIG



Valve Size:

1/4" to 1"



OPERATING RANGES

Temperature..... -20° F to +150° F
 (-29°C to +66°C)
 Relief Pressure 3 to 9 PSIG



TECHNICAL DATA

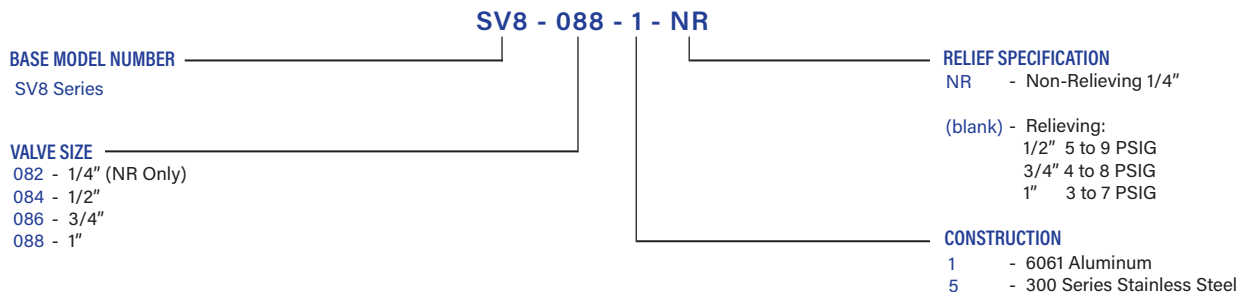
Materials of Construction:

Body 300 Series S/S or
 6061 Aluminium
 O-rings Viton®
 Plug 300 Series S/S
 Cap Plastic PVC

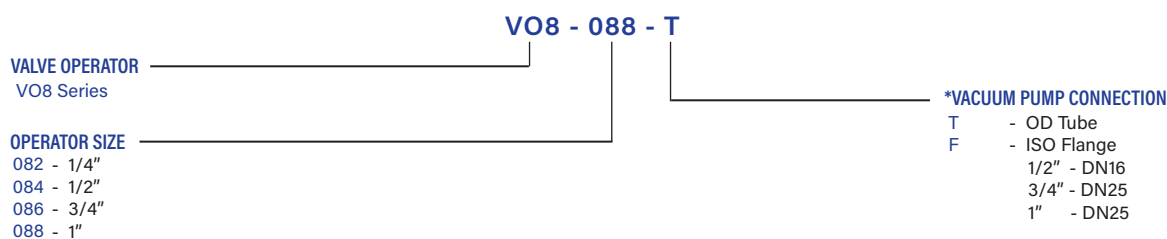
Connection:

Valve Butt Weld
 Operator ISO Flange or Tube

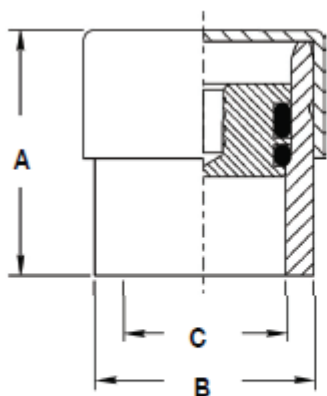
ORDERING GUIDE



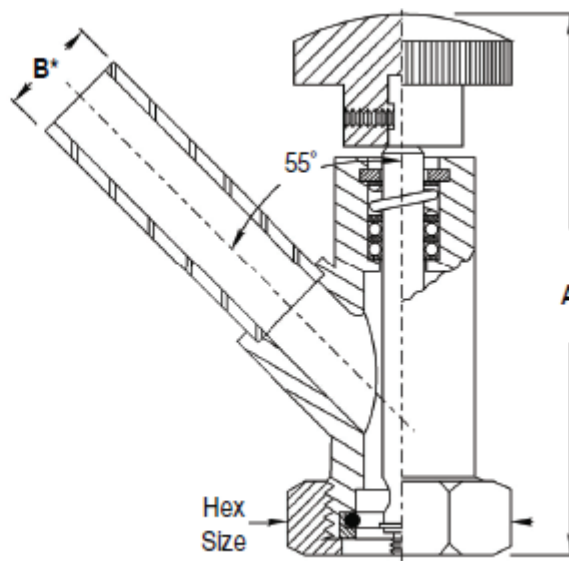
Valve Operators used in conjunction with valves during pumping operation:



DIMENSIONS



3/4" & 1" sizes contain two O-rings as shown above.
1/4" & 1/2" sizes contain only one O-ring.



SV8 SERIES VALVES DIMENSIONS

Part No.	A	B	C
SV8-082-	.59	.38	.28
SV8-084-	.81	.62	.46
SV8-086-	.96	.88	.69
SV8-088-	1.50	1.19	.90

VO8 SERIES OPERATORS STAINLESS STEEL DIMENSIONS

Part No.	A	B	Size
VO8-082-	3.2	.375	3/4"
VO8-084-	3.5	.625	1-3/16"
VO8-086-	5.0	.875	1-1/2"
VO8-088-	5.0	1.12	1-3/4"

*Optional ISO Flange