

VACUUM SEAL-OFF VALVES AND VALVE OPERATORS

SV9 SERIES

RELIEVING WITH RETAINED PLUG



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

Testing:

External Leakage	Mass spec. to 1x10 ⁻⁹ scc GHe/sec
Seat Leakage	Bubble Tight to 150 PSIG
Proof Pressure	300 PSIG



Valve Size:

1/4" to 1"



OPERATING RANGES

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



TECHNICAL DATA

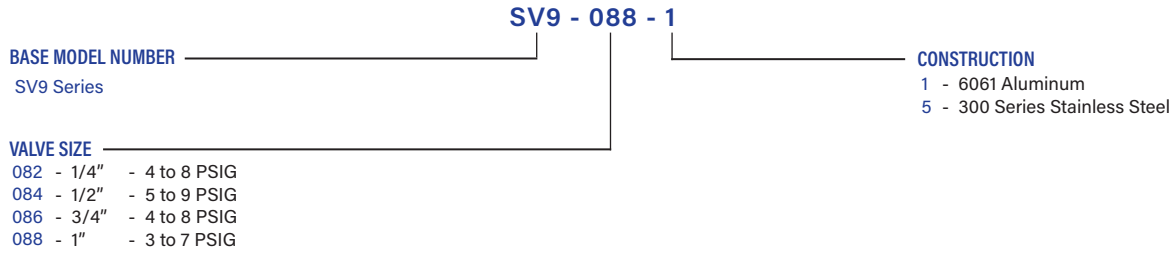
Materials of Construction:

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

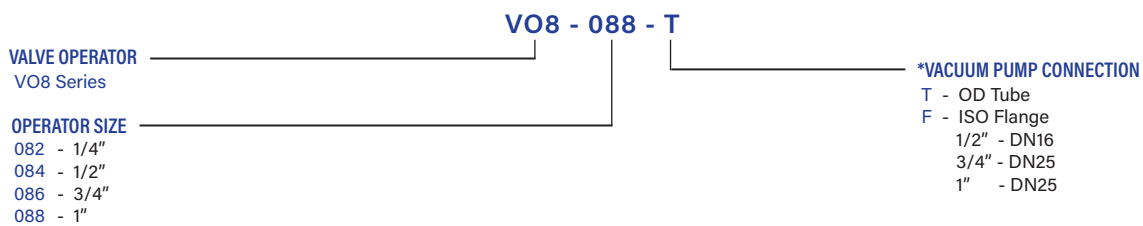
Connection:

Valve	Butt Weld
Operator	ISO Flange or Tube

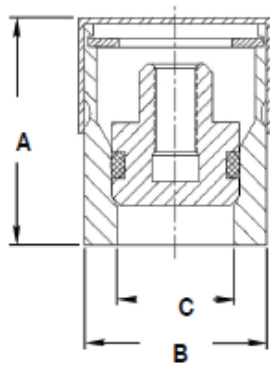
ORDERING GUIDE



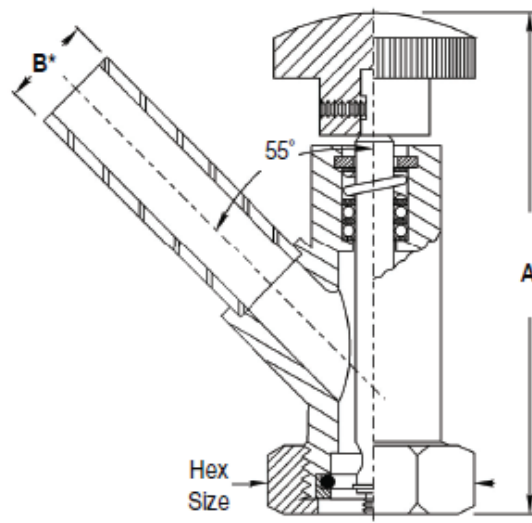
Valve Operators used in conjunction with valves during pumping operation:



DIMENSIONS



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



SV8 SERIES VALVES DIMENSIONS

Part No.	A	B	C
SV9-082-	.59	.38	.19
SV9-084-	.76	.62	.40
SV9-086-	.96	.88	.65
SV9-088-	1.13	1.19	.84

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