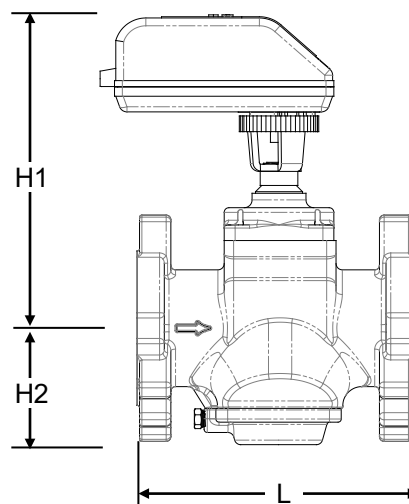




SPECIFICATIONS

Static Pressure:	580 PSI
Media Temperature:	-4° to 248°F
Ambient Temperature:	14° to 122°F
Body Material:	AISI 316L Stainless Steel
Flow Regulation Unit:	Stainless Steel & PPS (glass-reinforced)
Diaphragm:	HNBR
End Connections ¹ :	ANSI Class 150/300
Stem Seals:	EPDM O-Rings
Test Ports:	1/4" ISO
Maximum Close Off Pressure:	116 PSID
Shut Off Leakage:	ANSI/FCI 70-2 206 /IEC 60534-4 Class IV



DIMENSIONS & WEIGHTS (NOMINAL) (measured in inches and lbs unless noted)

All dimensions are for planning purposes only and may change without notice.

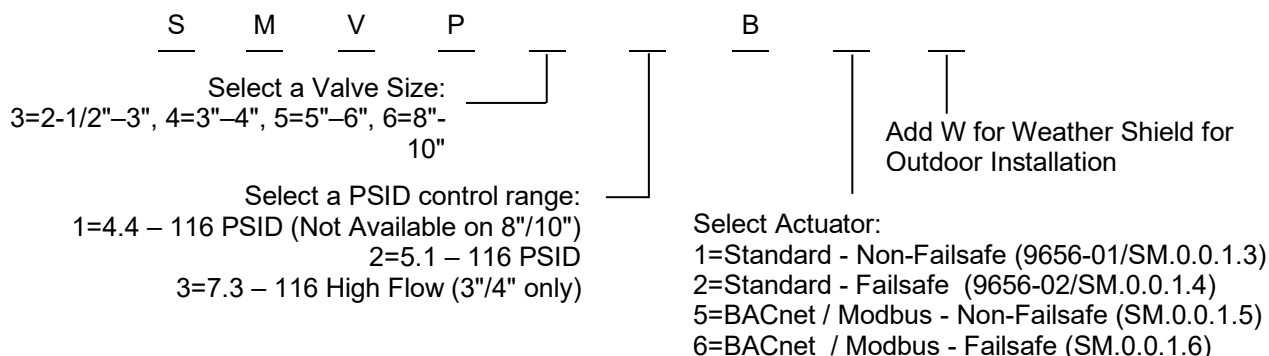
MODEL NO.	SIZE	L	H1	H2	ASME B16.5 WELD NECK		ASME B16.5 SLIP ON		WEIGHT ²
					CLASS 150	CLASS 300	CLASS 150	CLASS 300	
SMVP3_	2-1/2"	8.8"	9.9"	3.7"	•	•	•	•	29
	3"				•	•	•	•	
SMVP4_	3"	12.6"	11.3"	5.3"	•	•	•	•	71
	4"				•	•	•	•	
SMVP5_	5"	16.6"	13.3"	7.1"	•	•	•	•	131
	6"				•	•	•	•	
SMVP6_	8"	28.5"	18.4"	11.5"	•	•	•	•	506
	10"				•	•	•	•	

NOTES

¹ Studs and bolts for installation are supplied by others.

² Weight includes valve and actuator.

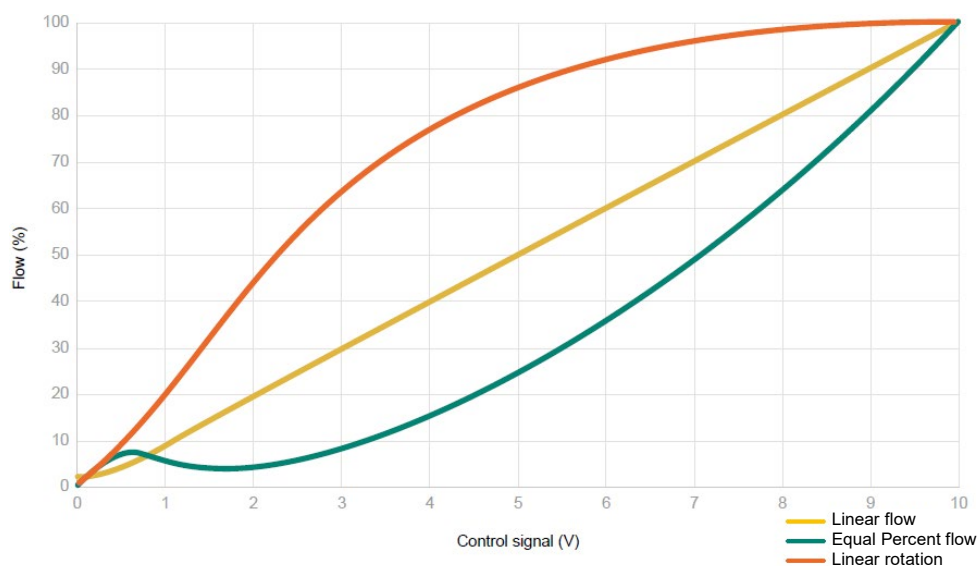
MODEL NUMBER SELECTION



FLOW RATES

MODEL NO.	SIZE	PSID RANGE	LOWEST MAXIMUM SETTING (GPM)	FLOW INCREMENTS (GPM)	MAXIMUM FLOW SETTING (GPM)
SMVP31	2-1/2" / 3"	4.4 – 116	1.13	1.13	113
SMVP32	2-1/2" / 3"	5.1 – 116	1.57	1.57	157
SMVP41	3" / 4"	4.4 – 116	1.49	1.49	149
SMVP42	3" / 4"	5.1 – 116	2.25	2.25	225
SMVP43	3" / 4"	7.3 – 116	3.20	3.20	320
SMVP51	5" / 6"	4.4 – 116	3.69	3.69	369
SMVP52	5" / 6"	5.1 – 116	4.68	4.68	468
SMVP62	8" / 10"	5.1 - 116	12.2	12.2	1220

CONTROL CURVE



ACTUATOR SPECIFICATIONS

Model:	#1: 9656-01/SM.0.0.1.3 – Standard Non-Failsafe #2: 9656-02/SM.0.0.1.4 – Standard Failsafe #5: SM.0.0.1.5 – BACnet or Modbus - Non-Failsafe #6: SM.0.0.1.6 – BACnet or Modbus - Failsafe	 	Listed temperature regulating equipment 41 X 9 Class 2 circuit
Supply Voltage:	24V AC ±20%, 50/60 Hz or 24V DC ±20%		
Power Consumption:	Non-Failsafe: 24V AC: 2.2VA standby / 3.8VA operating / 15VA max Non-Failsafe: 24V DC: 1.0W standby / 1.7W operating / 8.0W max Failsafe: 24V AC: 3.3VA standby / 4.5VA operating / 15VA max Failsafe: 24V DC: 2.0W standby / 3.0W operating / 8.0W max		
Type:	Electrical, Bi-directional synchronous motor		
Control Signal:	0(2)-10VDC 0(4)-20mA Digital 3-point floating or 2-Position Linear Flow		
Feedback:	Auto (equal to analog control signal), 0-10V DC, 2-10V DC or 4-20mA		
Control Mode:	Linear flow, equal percentage or linear rotation		
Failsafe Setting:	SM.0.0.1.4/6: Fail in place or settable 0-100% open		
Turn Time:	SMVP3-5: 190 seconds (from closed to fully open) MVP6: 317 seconds		
Stroke:	SMVP3-5: 2160°; MVP6: 3600°		
Actuator Torque:	79.66 in-lbs opening / 66.38 in-lbs closing		
Electrical Connection:	Standard: Fixed, 5 wires x 0.75 mm ² / AWG18, halogen free, 1 meter / 3 ft BACnet/Modbus: Fixed, 7 wires x 0.75 mm ² / AWG18, halogen free, 1 meter / 3 ft		
Direction of Rotation:	Bi-directional		
CE conformity:	EN 60730, class II		
Humidity Rating:	5-95% RH non condensing		
Housing Insulation:	IP 54 including upside down mounting		
Housing Material:	UL94 V0-rated plastic; top: PA (glass-reinforced), bottom: PC (glass-reinforced)		
Programming:	External programming of all settings, interface buttons and display		
Calibration:	Automatic calibration at start-up		
BACnet Device Profile:	BACnet Application Specific Controller (B-ASC) type server		
BACnet Protocol:	BACnet MS/TP		
BACnet Baud Rates:	9600, 19200, 38400, 76800 and 115200		
BACnet Fallback action:	Yes		
BACnet Services (BIBBS):	DS-RP-B, DS-WP-B, DM-DDB-B, DM-DOB-B and DM-DCC-B		
BACnet/Modbus Interface:	EIA-285 / RS-485		
BACnet/Modbus Participants:	Up to 32 recommended, max. 127 participants		
BACnet/Modbus Load:	1/8		
Modbus Transmission:	RTU slave		
Modbus Start/Stop Bits:	8N2 (standard)		