

# VALVE SELECTION GUIDE



SV-351, visit [omega.com/sv350](http://omega.com/sv350)



SV3501, visit [omega.com/sv3500](http://omega.com/sv3500)



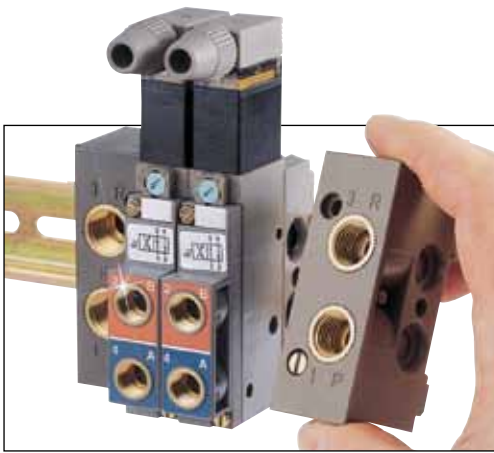
SV-2021, visit [omega.com/sv2000](http://omega.com/sv2000)

## 2-Way Solenoid Valves

Model No.	Connection	Material <sup>1</sup>	Type	Operation <sup>2</sup>	Approvals	DC Operation
SV3100	1/8 to 1/4"	BR	General Purpose	2-Way, NC	CE, UL Recognized	Y
SV3200	1/4"	SS	General Purpose	2-Way NC	CE, UL Recognized	Y
SV-350	1/2 to 2"	BR or SS	Zero Differential	2-Way, NC	CE, ROHS, UL, CSA	Y
SV-400	1/2 to 2 1/2"	BR	Steam	2-Way, NC	ROHS, CE, UL	N
SV-700	1/2 to 2"	PVC or PVDF	Pneumatic Diaphragm	2-Way, NO or NC	–	N
SV-10	1/2 to 2"	PVC	Corrosion Resistant	2-Way, NO or NC	ROHS, CE	Y
FSV30	1/4 to 1"	Niploy	Corrosion Resistant	2-Way, NO or NC	–	N
FSV40	1/4 to 2"	Brass	General Purpose	2-Way, NO or NC	–	N
FSV2100	1/2 to 2"	316SS	Angle Seat Valve	2-Way, NO or NC	CE, UL Recognized	N
FSV-ADV	1/4 to 1/2"	Brass	Drain with Timer	2-Way, NC	UL, CSA	N
SV-1200	1/8 or UNF	PVDF or	Miniature Solenoid	2- or 3-Way	–	N
SV-2000	1/2 to 2"	SS or BZ	Angle Seat Valve	2-Way, NO or NC	CE, ROHS	N
FSV100/300	3/8 to 2"	BZ	General Purpose	2-Way, NC	UL, CSA	N
SV280/290	3/8 to 2"	BR	Anti-Water Hammer	2-Way, NO or NC	–	Y
SV3300	1/8 to 1/4"	BR	General Purpose	2-Way, NO or NC	CE, UL Recognized	Y
SV3500	1/4 to 1"	BR	Zero Differential	2-Way, NC	CE, UL Recognized	Y
SV6000	1/4 to 2"	BR	General Purpose	2-Way, NO or NC	CE, UL Recognized	Y
SV4000A	1/2 to 1"	BR or 316SS	Steam and	2-Way, NO or NC Hot Water Valves	CE, UL Recognized	Y

<sup>1</sup> BZ = Bronze; BR = Brass; SS = Stainless Steel; PP = Polypropylene; CS = Carbon Steel.

<sup>2</sup> NC = Normally Closed; NO = Normally Open.



SVPR, SVPL, and two SVP-1, visit [omega.com/svp](http://omega.com/svp) for more details.



SV-1600A, visit [omega.com/sv1600](http://omega.com/sv1600)



SV4100 visit [omega.com/sv4100\\_sv4300](http://omega.com/sv4100_sv4300)

### 3 and 4-Way Solenoid Valves

Model No.	Connection	Material <sup>1</sup>	Type	Operation <sup>2</sup>	Approvals	DC Operation
SVP	1/8 NPT	Plastic	Din Rail	3 and 4 Way	ROHS	N
SV-1200	1/8 or UNF	PVDF or 1/4-28	Miniature Solenoid Simriz	2- or 3-Way	-	N
SV-1500	1/8 to 1 1/2"	BR	General Purpose	3-Way, NO or NC	UL, CSA, FM	N
SV-1600A	1/4"	Plastic	Pneumatic Control	3-Way, NO or NC	UL, CSA, FM	Y
SV-1800A	1/4"	Plastic	Pneumatic Control	4-Way	UL, CSA, FM	Y
SV240/250	1/4"	BR	General Purpose	3-Way, NO or NC	CE, UL	Y
SV4100/4300	1/8 to 1/4"	BR	General Purpose	3-Way	CE, UL Recognized	Y
SV-900	3/8 to 3/4"	PVC	Corrosion Resistant	3-Way, NC	CE, ROHS	N

<sup>1</sup> BZ = Bronze; BR = Brass; SS = Stainless Steel; PP = Polypropylene; CS = Carbon Steel.

<sup>2</sup> NC = Normally Closed; NO = Normally Open.



CNI16D33, visit [omega.com/cni\\_series](http://omega.com/cni_series)

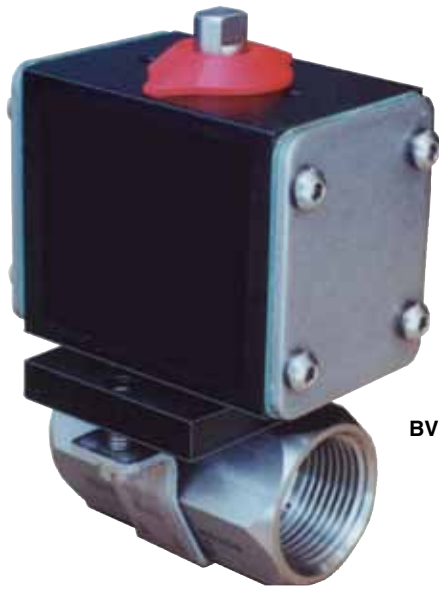
PV101, visit [omega.com/pv100](http://omega.com/pv100)



FSV15, visit [omega.com/fsv10](http://omega.com/fsv10)

### Control Valves

Model No.	Model Connection	Material	Type	Control Input	Rating
FSV10	1/4"	SS	Electrically Controlled Proportioning Valve	4 to 20 mA	CE, ROHS
PV Series	1/2 to 1"	BR or SS	Electrically Controlled Proportioning Valve	4 to 20 mA	NEMA-4
PV100	1/8 NPT	SS	Electrically Controlled Proportioning Valve	4 to 20 mA, 0 to 5 Vdc or 0 to 10 Vdc	CE, ROHS
DVT-1	1/4 to 1/2"	BR	Electronic Drain Valve	Integral Timer	CE
FSV-ADV10	1/4 to 1/2"	BR	Heavy Duty Electronic Drain Valve	Integral Timer	CE, UL, CSA



BVP82-SS



BVE83-SS

visit [omega.com/bvp80](http://omega.com/bvp80)  
for more detail

**Full Port Ball Valves**

Model No.	Model Connection	Material	Type	Control Input	Rating
BVP80	¼ to 2"	BR or SS	Pneumatic Actuated Ball Valves	120 Vac	–
BVPS80	¼ to 2"	BR or SS	Pneumatic with Spring Return Actuated Ball Valves	120 Vac	–
BVE80	¼ to 2"	BR or SS	Electronic Actuated Ball Valves	120 Vac	–



FVL-400, visit [omega.com/fvl400](http://omega.com/fvl400)



BV81-SS, visit [omega.com/bv80](http://omega.com/bv80)



BV71-SS, visit [omega.com/bv70](http://omega.com/bv70)



FVLT100, visit [omega.com/fvlt100](http://omega.com/fvlt100)

**Manual Valves**

Model No.	Connection	Material	Type
BV70	½ to 1"	316 SS	Compression Fitting Ball Valve
BV80	¼ to 2"	316 SS	Ball Valve
FVLT100	⅛ to ¼"	AL and 316 SS	PTFE/Needle Valve
FVL-400	⅛"	Brass or SS	Soft Seat/Needle Valve