

Valcor - Solenoid Valves








Valcor specializes in the design and manufacture of Solenoid Valves and control components for liquids and gases in critical applications in the aerospace, nuclear, light industrial and scientific industries. Several thousand designs are available to select from. A valve can be custom engineered for specific application with unmatched speed.

Valcor solenoid valves are cost efficient and stainless steel valves have added durability and quality to every type of application imaginable. Solenoid valves include direct acting, piloted diaphragm, zero differential piloted diaphragm, balanced poppet, and piloted piston type valves. .






Valcor offers the following features:






- Stainless Steel or Brass body construction.
- Standard seal materials of Buna, Viton, EPR, PTFE, and Rulon.
- Pressure ranges from vacuum to over 1000 psi.
- Cv to 38, orifice to 1.5 inches.
- Ports from 1/8 to 2 inch NPT.

Valves available in two-way, three-way, and four-way.

		2-way			
					
Model Number		SV 12	SV 61/SV62	SV84	SV320/ SV420
Type of Operation		Direct Acting	Direct Acting	Balanced Poppet	Zero-Differential Piloted Diaphragm
Operating Modes		Normally Closed Normally Open	Normally Closed Normally Open	Normally Closed	Normally Closed Normally Open
Pipe Connection (in)		1/4	1/4	1	3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2
Orifice sizes (in)		1/8, 3/16	1/16, 1/8, 1/4	9/16	5/8, 3/4, 1-1/4
Cv factor		up to .95	up to .70	6	up to 23
Operating Pressure range (PSI)		0 to 175	0 to 450	0 to 625	0 to 200
Maximum Media Temp. (F)		120	120	300	295
Elastomeric Compound		Buna N, Viton	Buna N, Viton, EPR	Buna N, Viton, EPR	Buna N, Viton, EPR
Body Material		Brass	Polypropylene, Brass	Brass	Brass, Stainless Steel
Coil Class		B, H	B, H	H	F, H
Voltages		AC & DC	AC & DC	AC	AC & DC
Applicable Fluid	Air	O	O	O	O
	Gas	O	O	O	O
	Water	O	O	O	O
	Steam	NR	NR	O	O
	Vacuum	NR	O	NR	O
	Oil	O	O	O	O
	Chemicals	O	*	*	O

LEGEND: O Standard Products *Consult Factory

		2-way			
					
Valve Series Number	SV 321/ SV421	SV327/ SV427	SV330/ SV430	SV331/ SV431	SV340/SV440
Type of Operation	Piloted Diaphragm	Zero Differential Piloted Diaphragm	Direct Acting	Direct Acting	Piloted Piston
Operating Modes	Normally Closed Normally Open	Normally Closed Normally Open	Normally Closed Normally Open	Normally Closed Normally Open	Normally Closed Normally Open
Pipe Connection (in)	3/8, 1/2, 3/4, 1, 1-1/4, 1-1/2, 2	1, 1-1-4, 1-1/2, 2	1/8, 1/4, 3/8	1/4, 3/8, 1/2, 3/4, 1, 1-1/4	1/4, 3/8, 1/2, 3/4, 1, 1-1/4
Orifice sizes (in)	1/2, 5/8, 3/4, 1, 1-1/4, 1-1/2	1, 1-1/4, 1-1/2, 2	3/64, 1/16, 3/32, 1/8, 5/32, 3/16, 1/4, 9/32	3/8, 3/4, 15/16, 1-1/8	3/8, 3/4, 15/16, 1-1/8
Cv factor	Up to 29	Up to 28	Up to 1.7	Up to 1.7	Up to 18.75
Opr Pressure range (PSI)	1 to 125	0 to 1050	0 to 1050	0 to 1050	0 to 300
Max Media Temp. (F)	366	338	338	338	366
Elastomeric Compound	Buna N, Viton, ERP, Teflon	Buna N, Viton, EPR	Buna N, Viton, EPR, Teflon, Rulon	Buna N, Viton, EPR, Teflon, Rulon	Buna N, Viton, Teflon
Body Material	Brass, Stainless Steel	Brass, Stainless Steel	Brass, Stainless Steel	Brass, Stainless Steel	Brass, Stainless Steel
Coil Class	F, H	F, H	F, H	F, H	F, H
Voltages	AC & DC	AC & DC	AC & DC	AC & DC	AC & DC
Applicable Fluid	Air	O	O	O	O
	Gas	O	O	O	O
	Water	O	O	O	O
	Steam	O	O	O	O
	Vacuum	NR	O	O	O
	Oil	O	O	O	O
	Chemicals	O	O	O	O

		3-way			4-way
					
Model Number	SV85	SV323/ SV424	SV733/SV734/ SV736	SV833/SV834/ SV836	SV10
Type of Operation	Balanced Poppet	Piloted Diaphragm	Direct Acting	Direct Acting	Direct Acting
Operating Modes	Normally Closed Normally Open Diverter	Normally Closed Normally Open	Normally Closed Normally Open Universal	Normally Closed Normally Open	Normally Closed Normally Open
Pipe Connection (in)	1	3/8, 1/2	1/8, 1/4	1/8, 1/4	1-Apr
Orifice sizes (in)	9/16	5/8	3/64, 1/16, 3/32, 1/8, 3/16, 1/4	1/16, 3/32, 1/8, 11/64	1/4
Cv factor	6	3.3, 4.4	Up to .80	Up to .38	Up to .07
Opr Pressure range (PSI)	0 to 150	7 to 150	0 to 200	0 to 200	.5 to 100
Maximum Media Temp. (F)	325	180	230	200	120
Elastomeric Compound	Buna N, Viton, ERP	Buna N, Viton	Viton, EPR, Teflon	Buna N, Viton, EPR	Buna N
Body Material	Naval Bronze	Brass, Stainless Steel	Brass, Stainless Steel	Brass, Stainless Steel	Brass
Coil Class	H	F, H	F, H	F, H	B, H
Voltages	AC	AC & DC	AC & DC	AC & DC	AC & DC
Applicable Fluid	Air	O	O	O	O
	Gas	O	O	O	O
	Water	O	O	O	O
	Steam	O	*	O	*
	Vacuum	NR	NR	O	*
	Oil	O	*	O	O
	Chemicals	O	*	O	O

LEGEND: O Standard Products *Consult Factory