

Series 31A

3-way, direct acting, normally closed solenoid valve

1/8"-1/4"

Pipe Sizes

8W

Coil

0-290 psi

Operating Pressure



Materials of Construction

Body:	Brass
Armature Tube:	Stainless Steel 300
Fixed Core:	Stainless Steel 400
Plunger:	Stainless Steel 400
Spring:	Stainless Steel 300
Shading Ring:	Copper

Electrical Connection

Rating:	NEMA 4
Strain Relief Connector:	Model 009
1/2" Conduit Connector:	Model 010
6 ft. Power Cord:	Model GRN100



Note: For more detailed specifications, please refer to the datasheet of any individual solenoid valve model within this series.

FKM Sealing Material	14° - 280° F Temperature Range	Air, Inert gas, Water, Synthetic oils Medium Examples
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Series 31A solenoid valve models, with FKM sealing:

Model #	Pipe Size (Inch)	Orifice Size (Inch)	Exhaust Orifice (Inch)	Flow Factor (CV)	Watt Rating (W)	Min. Pressure (PSI)	Max. Pressure (AC/DC)
31A3AV10	1/8"	3/64"	3/32"	0.05	8	0	290/290
31A3AV15	1/8"	1/16"	3/32"	0.10	8	0	215/215
31A3AV20	1/8"	5/64"	3/32"	0.14	8	0	145/145
31A3AV25	1/8"	3/32"	3/32"	0.22	8	0	85/85
31A3AV30	1/8"	1/8"	3/32"	0.28	8	0	70/70
31A2AV10	1/4"	3/64"	3/32"	0.06	8	0	290/290
31A2AV15	1/4"	1/16"	3/32"	0.10	8	0	215/215
31A2AV20	1/4"	5/64"	3/32"	0.14	8	0	145/145
31A2AV25	1/4"	3/32"	3/32"	0.22	8	0	85/85
31A2AV30	1/4"	1/8"	3/32"	0.28	8	0	70/70

NBR Sealing Material	14°- 195° F Temperature Range	Air, Inert gas, Water Medium Examples
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Series 31A solenoid valve models, with NBR sealing:

Model #	Pipe Size (Inch)	Orifice Size (Inch)	Exhaust Orifice (Inch)	Flow Factor (CV)	Watt Rating (W)	Min. Pressure (PSI)	Max. Pressure (AC/DC)
31A3AB10	1/8"	3/64"	3/32"	0.05	8	0	290/290
31A3AB15	1/8"	1/16"	3/32"	0.10	8	0	215/215
31A3AB20	1/8"	5/64"	3/32"	0.14	8	0	145/145
31A3AB25	1/8"	3/32"	3/32"	0.22	8	0	85/85
31A3AB30	1/8"	1/8"	3/32"	0.28	8	0	70/70
31A2AB10	1/4"	3/64"	3/32"	0.06	8	0	290/290
31A2AB15	1/4"	1/16"	3/32"	0.10	8	0	215/215
31A2AB20	1/4"	5/64"	3/32"	0.14	8	0	145/145
31A2AB25	1/4"	3/32"	3/32"	0.22	8	0	85/85
31A2AB30	1/4"	1/8"	3/32"	0.28	8	0	70/70

RUBY Sealing Material	-40°- 360° F Temperature Range	Air, Inert gas, Water, Steam Medium Examples
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Series 31A solenoid valve models, with RUBY sealing:

Model #	Pipe Size (Inch)	Orifice Size (Inch)	Exhaust Orifice (Inch)	Flow Factor (CV)	Watt Rating (W)	Min. Pressure (PSI)	Max. Pressure (AC/DC)
31A3AR10	1/8"	3/64"	3/32"	0.05	8	0	290/290
31A3AR15	1/8"	1/16"	3/32"	0.10	8	0	215/215
31A3AR20	1/8"	5/64"	3/32"	0.14	8	0	145/145
31A3AR25	1/8"	3/32"	3/32"	0.22	8	0	85/85
31A3AR30	1/8"	1/8"	3/32"	0.28	8	0	70/70
31A2AR10	1/4"	3/64"	3/32"	0.06	8	0	290/290
31A2AR15	1/4"	1/16"	3/32"	0.10	8	0	215/215
31A2AR20	1/4"	5/64"	3/32"	0.14	8	0	145/145
31A2AR25	1/4"	3/32"	3/32"	0.22	8	0	85/85
31A2AR30	1/4"	1/8"	3/32"	0.28	8	0	70/70