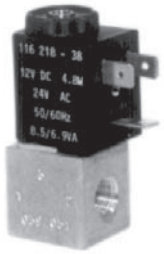
Distributed by:
Fluidline Components, Inc
638 S Rochester Road
Clawson, MI 48017
Phone 248-583-9070

Features

Valve Performance Features

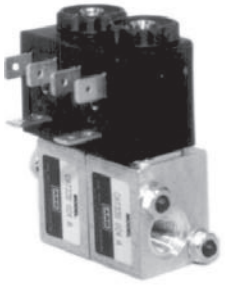
- CAT Series Valves are available as single station units, bar manifold or assembled as a stack.
- CAT Series valves are suitable for air or inert gas.
- Plugging the exhaust port allows single station valves to be plumbed as 2-way valves. See page 34 to order the optional exhaust port plug.
- CAT Series valves are available with a variety of coil options. See Pg. 80.
- Class F coils are rated for 100% duty cycle.



Single CAT Series Valve

CAT Series Valve Features and Benefits

- Quick change coil can be easily interchanged or replaced. Simply remove the top nut, slide off the coil and replace it with a new coil.
- The coil accepts DIN-style connectors, or automotive spade type connections. This helps reduce installation time and provides a secure electrical hook-up. See page 80.
- When mounted individually, the coil can be rotated to face one of four ways. As a stack, the coils can be mounted in two directions.
- Coils are UL-listed and comply with CSA standards. UL file #MH13513, CSA File #LR51090. NEMA 4 option available.



Two Valve CAT Series Stack

High Flow Cat Valve

Performance Specifications

Pressure Range: 0 to 115 PSI Low Watt
Pressure Range: 0 to 150 PSI (10.4 bar)
Temperature Rating: 0° to 122°F (-17° to 50°C)
Flow:

1/8" Individual, Bar Manifold and Stacking Valves:

CAT33P: Cv = .062 (2.2 SCFM), Seat Orifice .051, Stem .070
CAT33S: Cv = .048 (1.8 SCFM), Seat Orifice .051, Stem .070
CAT44P: Cv = .056 (2.0 SCFM), Seat Orifice .039, Stem .051
CATXXB: Cv = .062 (2.2 SCFM), Seat Orifice .051, Stem .070

Operating Medium: Compressed Air
Response Time: 5 - 9 ms

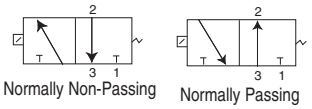
Six-Station Cat Valve Bar Manifold

Performance Data, Ordering Menus and Dimensional Data for High-Flow CAT Valves are found on page 34.

Ordering

1/8" Individual and Stacking Valves

Model Number:	Port Size	Valve Function	Body Style
CAT33P-XXX-X	1/8"	Non-Passing	Ported
CAT33S-XXX-X	1/8"	Non-Passing	Stackable
CAT44P-XXX-X	1/8"	Passing	Ported



To stack CAT Series valves, tie-rod mounting kits are required. Order kits separately from the menu below.

Coil Options

Code	Voltage	Current	Code	Voltage	Current
000-N	Valve with *No* Coil		**024-D**	24 Volt	DC
005-D	5 Volt	DC	**120-A**	120 Volt	AC
012-A	12 Volt	AC	**240-A**	240 Volt	AC
012-D	12 Volt	DC	***005-L**	5 Volt Low Watt	DC
024-A	24 Volt	AC	***012-L**	12 Volt Low Watt	DC
			***024-L**	24 Volt Low Watt	DC

If coil option A or D is selected, a coil connector must be ordered. See Pg. 79 for coil & connector information.

* Available on CAT33P-XXX-L & CAT33S-XXX-L only.

Accessories

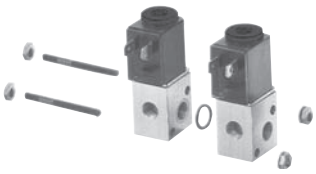
Exhaust Plug

59632-1 (10-32 Thread)
Plugs exhaust port to convert normally non-passing 3-way valve to 2-way.
NOTE: To make a normally passing 3-way valve to a 2-way valve requires a DC plug.

Stacking Tie-Rod Kits

116345-2	2 Valve Stack
116345-3	3 Valve Stack
116345-4	4 Valve Stack
116345-5	5 Valve Stack
116345-6	6 Valve Stack

Tie-Rod Kits include tie rods, nuts, o-rings and a plug.

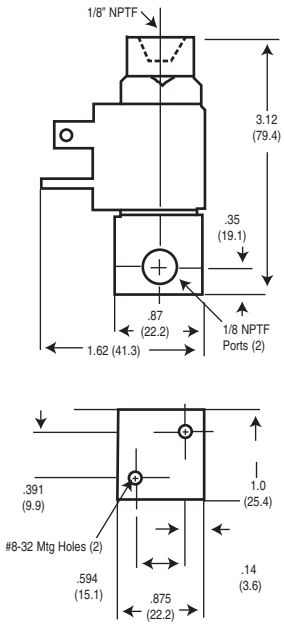


CAT Series Valve Stack and116345-X Stacking Kit

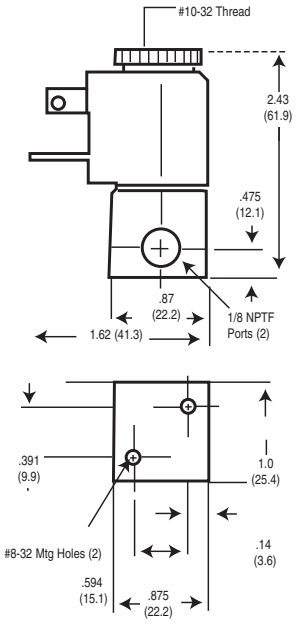
Dimensional Data

Dimensions given in Inches and (Millimeters)

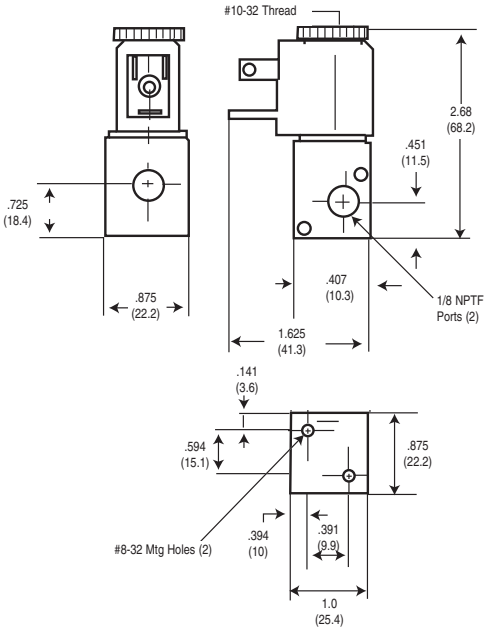
CAT44P
Body Ported,
Normally Passing



CAT33P
Body Ported
Normally Non-Passing



CAT33S
Stacking
Normally Non Passing

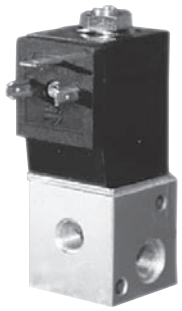


High Flow Cat Valve

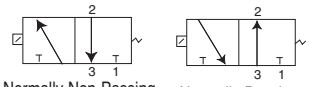
Model Number:	Port Size	Valve Function	Body Style
CAT66P-XXX-X*	1/4"	Normally Closed	Ported
CAT77S-XXX-X*	1/4"	Normally Closed	Stacking
CAT88P-XXX-X*	1/4"	Normally Open	Ported

* Coil Voltage	
012-D	12 Volt DC
120-A	120 Volt AC
024-D	24 Volt DC
000-N	No Coil
*012-L	Low Watt DC
*024-L	Low Watt DC

*Available on normally closed valves only.



High Flow Cat Valve



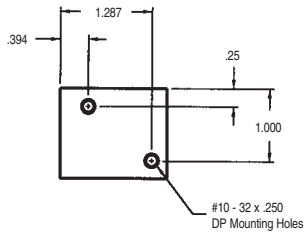
To stack CAT Series valves, tie-rod mounting kits are required. Order kits separately from the menu below.

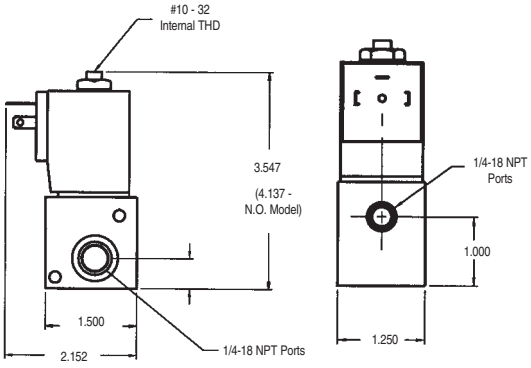
Performance Specifications

Pressure Range:	0 to 150 PSI
Temperature Rating:	0° to 122° F
Operating Medium:	Compressed Air
High-Flow Valves:	CAT66P: Cv = .2 (6.9 SCFM)
	CAT77S: Cv = .2 (6.9 SCFM)
	CAT88P: Cv = .2 (6.9 SCFM)

Dimensional Data

High Flow Cat Valve





Accessories

High-Flow Tie-Rod Kits	
Stacking Tie-Rod Kits	
119698-2	(2 Stations)
119698-3	(3 Stations)
119698-4	(4 Stations)
119698-5	(5 Stations)
119698-6	(6 Stations)
119698-7	(7 Stations)

Connector

CDW-30	30-mm connector with wire.
CSN-30	30-mm connector, strain relief.
CHW-30	30-mm connector, molded cable.
119690-XX	See Page 79 for Coil information.

Ordering

Cat Valve Bar Manifold

C A T X X B - X X X - X

No. of Stations

02	10
03	11
04	12
05	13
06	14
07	15
08	16
09	

Coil Options

Code	Voltage	Current
000-N	Valve with *No* Coil	
005-D	5 Volt	DC
012-A	12 Volt	AC
012-D	12 Volt	DC
024-A	24 Volt	AC
024-D	24 Volt	DC
120-A	120 Volt	AC
120-D	120 Volt	DC

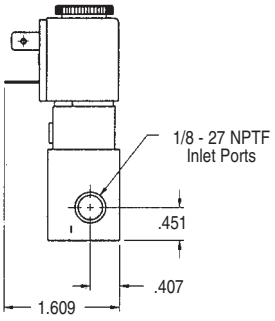
Code	Voltage	Current
240-A	240 Volt	AC
005-L	5 Volt Low Watt	DC
012-L	12 Volt Low Watt	DC
024-L	24 Volt Low Watt	DC

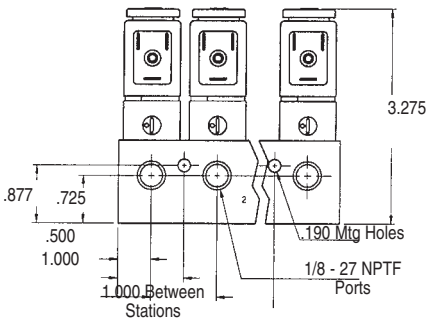
See Page 79 for Connectors and other Coil options.

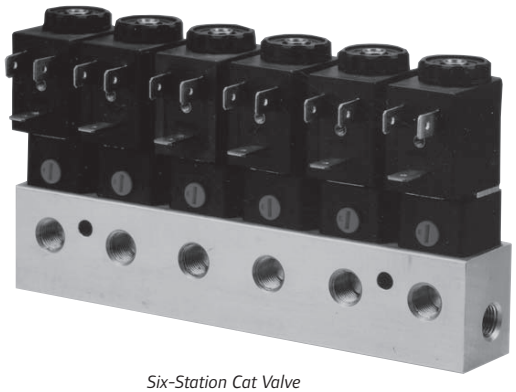
Dimensional Data

Dimensions given in Inches and (Millimeters)

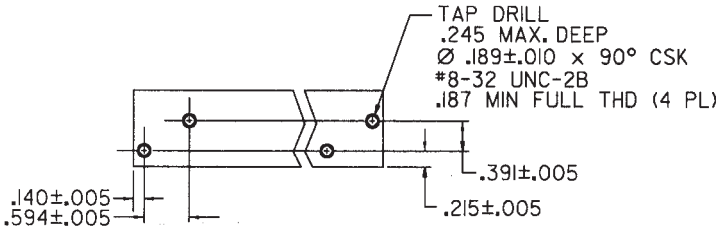
Cat Valve Bar Manifold







Six-Station Cat Valve Bar Manifold



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Miniature 3-Way and 4-Way Valves Ordering Information:

Model	Description
P114400	END PLATE FOR 3-WAY OR 4-WAY VALVE STACK
114806	MOUNTING BRACKET FOR INLINE VALVES
114807	ISOLATOR PLUG KIT FOR STACKING VALVES
CSN-MICRO	CONNECTOR, STRAIN RELIEF
P251SS-012-D	3-WAY BODY PORTED, LEAD WIRE, 12 DC
P251SS-012-E	3-WAY BODY PORTED, PLUG-IN, 12 DC
P251SS-024-D	3-WAY BODY PORTED, LEAD WIRE, 24 DC
P251SS-024-E	3-WAY BODY PORTED, PLUG-IN, 24 DC
P251SS-120-A	3-WAY BODY PORTED, LEAD WIRE, 120 AC
P251SS-120-B	3-WAY BODY PORTED, PLUG-IN, 120 AC
P261SS-012-D	3-WAY STACKING, LEAD WIRE, 12 DC
P261SS-012-E	3-WAY STACKING, PLUG-IN, 12 DC
P261SS-024-D	3-WAY STACKING, LEAD WIRE, 24 DC
P261SS-024-E	3-WAY STACKING, PLUG-IN, 24 DC
P261SS-120-A	3-WAY STACKING, LEAD WIRE, 120 AC
P261SS-120-B	3-WAY STACKING, PLUG-IN, 120 AC
P211SS-012-D	4-WAY BODY PORTED, LEAD WIRE, 12 DC
P211SS-012-E	4-WAY BODY PORTED, PLUG-IN, 12 DC
P211SS-024-D	4-WAY BODY PORTED, LEAD WIRE, 24 DC
P211SS-024-E	4-WAY BODY PORTED, PLUG-IN, 24 DC
P211SS-120-A	4-WAY BODY PORTED, LEAD WIRE, 120 AC
P211SS-120-B	4-WAY BODY PORTED, PLUG-IN, 120 AC
P211SC-012-D	4-WAY BODY PORTED W/SPEED CONTROL, LEAD WIRE, 12 DC
P211SC-012-E	4-WAY BODY PORTED W/SPEED CONTROL, PLUG-IN, 12 DC
P211SC-024-D	4-WAY BODY PORTED W/SPEED CONTROL, LEAD WIRE, 24 DC
P211SC-024-E	4-WAY BODY PORTED W/SPEED CONTROL, PLUG-IN, 24 DC
P211SC-120-A	4-WAY BODY PORTED W/SPEED CONTROL, LEAD WIRE, 120 AC
P211SC-120-B	4-WAY BODY PORTED W/SPEED CONTROL, PLUG-IN, 120 AC
P221SS-012-D	4-WAY STACKING, LEAD WIRE, 12 DC
P221SS-012-E	4-WAY STACKING, PLUG-IN, 12 DC
P221SS-024-D	4-WAY STACKING, LEAD WIRE, 24 DC
P221SS-024-E	4-WAY STACKING, PLUG-IN, 24 DC
P221SS-120-A	4-WAY STACKING, LEAD WIRE, 120 AC
P221SS-120-B	4-WAY STACKING, PLUG-IN, 120 AC
P221SC-012-D	4-WAY STACKING W/SPEED CONTROL, LEAD WIRE, 12 DC
P221SC-012-E	4-WAY STACKING W/SPEED CONTROL, PLUG-IN, 12 DC
P221SC-024-D	4-WAY STACKING W/SPEED CONTROL, LEAD WIRE, 24 DC
P221SC-024-E	4-WAY STACKING W/SPEED CONTROL, PLUG-IN, 24 DC
P221SC-120-A	4-WAY STACKING W/SPEED CONTROL, LEAD WIRE, 120 AC
P221SC-120-B	4-WAY STACKING W/SPEED CONTROL, PLUG-IN, 120 AC

3-Way Body Ported

4-Way Body Ported

4-Way Body Ported with Speed Controls

3-Way and 4-Way Stacking Valves

114806 Mounting Bracket

Kit is designed for use with both 3-Way and 4-Way valves. Kit consists of a bracket, two #6-32 screws, and two nuts.

P114400 End Plate Kit

Kit consists of two end plates, two o-rings, and two bolts. One kit required for each valve stack. Can be used for 3-Way or 4-Way valves, or any combination of valves.

CSN-MICRO Connector

Plug-in DIN type connector conforms to Industrial Micro Type C. Order separately.

114807 Isolator Plug Kit

Kit consists of two plugs. Plugs can be used on stacking valves to convert 4-ways to 3-ways, or 3-ways to 2-ways. Also can be used to provide multiple pressures to a valve stack.