# **А**ткоматіс

## 13000 Series

Stainless Steel, 3-Way, Direct Lift, Pressure 0 to 2500 psig (173 bar) High Pressure Valve Configurable for Variety of Fluid Applications



#### **Features**

reatures	
3-Way valve	Cv from 0.056 through 0.40
Direct acting valve	Stainless steel construction on all wetted parts: 316
Barstock construction	for pressure containing parts and plunger material
Can be installed as normally closed, normally open,	is 416 stainless that is treated for increased corrosion
or as a directional valve	resistance
Can be mounted in any orientation (except normally	Will handle fluids with viscosity up to 150 SUS
open version)	Class H coils standard
Pressure to 2500 psig (173 bar) depending on valve	• Suitable for use with wide variety of fluid including:
type, fluid and orifice size	air, gasses, liquids, hydraulic fluids, steam, cryogenic
<ul> <li>Media temperatures from –423° F to +350° F (-253° C</li> </ul>	fluids, and corrosive fluids
to 177° C)	Explosion-proof NEMA 7 coil housing is standard;
Stellite <sup>®</sup> seats (cobalt alloy for hardness and	can also be furnished with a combination water- and
corrosion resistance)	explosion-proof NEMA 4 & 7 coil housing
Ports sizes of ¼", ¾", and ½" NPT (British BSBT ports	
available)	

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## **13000 Series**

## **Operational Pressures** (No minimum pressure differential)

Normally Open 13110-13130 1/4"-1/2"

			, –					
	GASES		LIQUIDS	TO 40 SUS	LIQUIDS O	VER 40 SUS	STEAM	
<b>ORIFICE SIZE</b>	AC	DC	AC	DC	AC	DC	AC	DC
¾4	2500	2500	2500	2500	2000	2000	300	300
¥16	2,300	2,300	2,300	2,300	1,400	1,400	300	300
⅔2	1,200	1,200	1,200	1,200	700	700	300	300
1⁄8	600	600	600	600	300	300	300	300
Directiona	l 13310–13	3330 ¼″–½	"					
	GAS	SES	LIQUIDS	TO 40 SUS	LIQUIDS O	VER 40 SUS	STE	AM
<b>ORIFICE SIZE</b>	AC	DC	AC	DC	AC	DC	AC	DC
3∕64	2500	2500	2500	2500	2000	2000	300	300
У16	2500	2500	2,300	2,300	1,400	1,400	300	300
⅔2	1,200	1,200	1,200	1,200	700	700	300	300
1⁄8	600	600	600	600	300	300	300	300
Normally (	Closed 132	210–13230	1⁄4″–1⁄2″					
	GAS	SES	LIQUIDS	TO 40 SUS	LIQUIDS O	VER 40 SUS	STE	AM
<b>ORIFICE SIZE</b>	AC	DC	AC	DC	AC	DC	AC	DC
¾4	1,300	1,300	1,300	1,300	1,200	1,200	300	300
Ую	1,200	1,200	1,200	1,200	1,100	1,100	300	300
∛32	600	600	600	600	500	500	300	300
1⁄8	300	300	300	300	250	250	300	300

1/8 300 300 300 300 250 250 300 Note: Normally open 13000 Series valves are NOT subject to intermittent operation restrictions

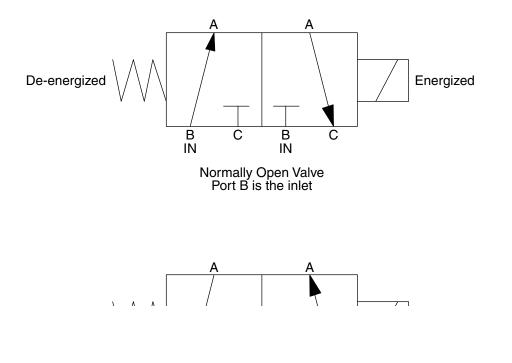
### Dimensions (inches), Shipping Weights and Cv Flow Factors

#### **Dimensions and Shipping Weights**

	s and Shipp		LS				
	TALOG NUM. PRE						CHIPPING
NORMALLY OPEN (INLET B)	NORMALLY OPEN (INLET C)	DIRECTIONAL (INLET A)	<b>PIPE SIZE</b>	Х	Y	z	SHIPPING WEIGHT <i>(Ibs)</i>
13110	13210	13310	1⁄4″	7¼″	5½″	 4%6″	10
13120	13220	13320	3%″	7¼″	5½″	4‰″	10
13130	13230	13330	1⁄2″	7¼″	5½″	4¾6″	10
	13230				5½ <sup>~</sup> Silico		
13230 ½″ 3-Way proof NEMA 7 a				on-			

## 13000 Series

The 13000 Series valve can be built as either a normally open, a normally closed, or a directional valve. For each types of function different ports are used as the inlet and outlet ports. The valve itself is exactly the same. These different types of valve functions are illustrated by the following schematics:



#### How to Order

