

not of unauthorized commercial practices

PRECISION PROPORTIONAL SOLENOID VALVES

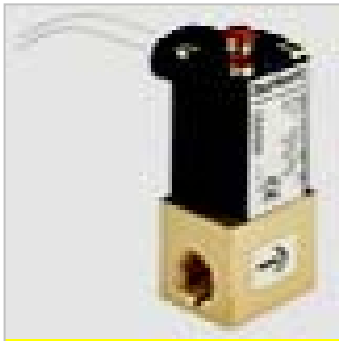
MSFS-Series

Introduction:

MSFS series of solenoid valves/controllers are available in more than 25 different modes, virtually offering control solutions to for any liquid/gas in varied range i.e. 1.0 micro grams per minutes to 100 kilograms per minutes for pressure as high as 100 kg/cm². These valves are offered in material like SS-316, brass (ceramic/PTFE coating) to make up with corrosion, thermodynamical and other pertinent physical parameters of fluid/gas under measurement. On account of above, these valves are first choice for medical diagnostic, agro, biomedical, petrochemical, automobile, organic/inorganic chemical, milk plant, sugar, textiles, beverages, water management/treatment, academic and defense.

Operating Principle:

Current passing through solenoid attract the plunger and turn-off the orifice. Correct design ensure chatter less on/off operation.



MSFS-0500



MSFS-0200



MSFS-0100

ELECTRICAL/MECHANICAL SPECIFICATIONS OF VALVES

MSFS SERIES RANGE <100,000.0 LPH

model	Orifice size (m.m.)	Size(inch)	Pressure Kg/cm ²	Frequency Cycle/min	Material	O.D.P.	leak rate	Excitation volt(D.C./A.C.)
MSFS-0001	1000.0	½		100	SS-316/Brass(ptfe)	2000	<1.8x10	0.0
MSFS-0002	2000.0	3/8		100	SS-316/Brass(ptfe)	2000	<1.8x10	0.0
MSFS-0004	4800.0	1.0		100	SS-316/Brass(ptfe)	2000	<1.8x10	0.0
MSFS-0007	7000.0	1.5		100	SS-316/Brass(ptfe)	2000	<1.8x10	0.0
MSFS-0010	10,000.0	2.0		100	SS-316/Brass(ptfe)	2000	<1.8x10	0.0
MSFS-0020	20,000.0	3.0		100	SS-316/Brass(ptfe)	2000	<1.8x10	0.0
MSFS-0050	50,000.0	4.0		100	SS-316/Brass(ptfe)	2000	<1.8x10	0.0
MSFS-0100	100,000.0	6.0		100	SS-316/Brass(ptfe)	2000	<1.8x10	0.0
MSFS-0200	200,000.0	8.0		100	SS-316/Brass(ptfe)	2000	<1.8x10	0.0
MSFS-0500	500,000.0	10.0		100	SS-316/Brass(ptfe)	2000	<1.8x10	0.0
MSFS-0800	800,000.0	12.0		100	SS-316/Brass(ptfe)	2000	<1.8x10	0.0
MSFS-1000	1000,000.0	14.0		100	SS-316/Brass(ptfe)	2000	<1.8x10	0.0

SOLENOID VALVE CONTROLLER SPECIFICATION:

Operating voltage	220 volts/28 volts D.C.
Excitation frequency	2.5/7.5/15.0/25.0 Hz
Accuracy	98% of set point
Repeatability	100 percent
Response time	0.5 –1.1 milli-seconds
Interface Signal range	0.0-12.0 volts D.C.(proportional to range)
Step down ratio	10.0 LPM – 100.0 kilo LPM
tube material	1:50(1:100)
Electrode material	SS-316/Brass/DERELIN with option of flange coupling
Control option	SS-316/Has-alloy
Display	rate/totalization control against set point
Controller size	Multi synchronized control (interactively)
	3½ & 4½ digit red glow LED/LCD display
	48x48x96, 72x72x96, 96x96x192



COMPUTER-MSFS-0800

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