

## Hex Body 53 STYLE Solenoid Valves

- **Body** Hex aluminum, black anodized - 3 Different porting styles.
- **Media** Air, water & other fluids compatible with standard Buna-N seals and aluminum.
- **Power** See page 11.29

- **Operating Temperature:**  
0°F (-18°C) to +104°F (40°C) ambient.  
0°F (-18°C) to +150°F (65°C) media.
- **Voltages** See page 11.29
- **Operating Pressure** See chart with orifice information
- **Internal Parts** Stainless Steel

### 2 WAY NORMALLY OPEN

BODY STYLE 1		SIDE PORT		
De-Energized	Energized	IN	OUT	Basic Model
		10-32	1/8	82-★-◆-NO1
		1/8	1/8	82-★-◆-NO2
		10-32	1/4	42-★-◆-NO1
		1/8	1/4	42-★-◆-NO2

### BODY STYLE 2 FEMALE BOTTOM PORT

De-Energized	Energized	IN	OUT	Basic Model
		10-32	1/8	F-82-★-◆-NO1
		1/8	1/8	F-82-★-◆-NO2
		10-32	1/4	F-42-★-◆-NO1
		1/8	1/4	F-42-★-◆-NO2

### BODY STYLE 2 FEMALE BOTTOM PORT

De-Energized	Energized	IN	OUT	Basic Model
		1/8	10-32	FX-82-★-◆-NO1
		1/8	1/8	FX-82-★-◆-NO2
		1/4	10-32	FX-42-★-◆-NO1
		1/4	1/8	FX-42-★-◆-NO2

### BODY STYLE 3 MALE BOTTOM PORT

De-Energized	Energized	IN	OUT	Basic Model
		10-32	1/8	082-★-◆-NO1
		1/8	1/8	082-★-◆-NO2
		10-32	1/4	042-★-◆-NO1
		1/8	1/4	042-★-◆-NO2

### BODY STYLE 3 MALE BOTTOM PORT

De-Energized	Energized	IN	OUT	Basic Model
		1/8	10-32	X-82-★-◆-NO1
		1/8	1/8	X-82-★-◆-NO2
		1/4	10-32	X-42-★-◆-NO1
		1/4	1/8	X-42-★-◆-NO2

### 2 WAY NORMALLY CLOSED

BODY STYLE 1		SIDE PORTS		
De-Energized	Energized	IN	OUT	Basic Model
		1/8	1/8	82-★-◆
		1/4	1/4	42-★-◆

### BODY STYLE 2 FEMALE BOTTOM PORT

De-Energized	Energized	IN	OUT	Basic Model
		1/8	1/8	F-882-★-◆
		1/8	1/4	F-842-★-◆
		1/4	1/8	F-482-★-◆
		1/4	1/4	F-442-★-◆

### BODY STYLE 2 FEMALE BOTTOM PORT

De-Energized	Energized	IN	OUT	Basic Model
		1/8	1/8	FX-882-★-◆
		1/8	1/4	FX-482-★-◆
		1/4	1/8	FX-842-★-◆
		1/4	1/4	FX-442-★-◆

### BODY STYLE 3 MALE BOTTOM PORT

De-Energized	Energized	IN	OUT	Basic Model
		1/8	1/8	882-★-◆
		1/8	1/4	842-★-◆
		1/4	1/8	482-★-◆
		1/4	1/4	442-★-◆

### BODY STYLE 3 MALE BOTTOM PORT

De-Energized	Energized	IN	OUT	Basic Model
		1/8	1/8	X-882-★-◆
		1/8	1/4	X-482-★-◆
		1/4	1/8	X-842-★-◆
		1/4	1/4	X-442-★-◆

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#### HOW TO ORDER

	EXAMPLE	
Basic Model Number	X883	See Model Charts
Insert Letter for Housing at ★	-C	C Conduit, G Grommet, F DIN See Solenoid Information Page 11.29
Number for Orifice at ◆	-1	See Chart, Orifice Information
All 3 Way EX Orifices are 1/16		
Options		See Chart, Option Information
Volts & Hertz	120/60	See Solenoid Information Page 11.29

**Example:** 3 Way N.C., 1/8 NPT Male Bottom Inlet, 1/8 NPT Side Cylinder, Conduit Housing, 3/64 Seat, 120 Volts/60 HZ.

**Model Number = X883-C-1, 120/60**

#### OPTIONS:

- 1/8 NPT Adapter (3 Way N.C. Top Exhaust) .....-A ..... See Pg. 11.6
- Viton Seals (for media compatibility) .....-V
- Explosion Proof .....-EP ..... See Pg. 11.30
- Pro-Coat™ (Electroless Nickel Plate) .....-N ..... See Pg. 1.10
- Spade Electrical Connections See Pgs. 11.29 & 11.30

#### Specify Suffix

#### ACCESSORIES:

- Solenoid Exhaust Muffler ..... SM-10 ... See Page 14.1
- Connectors for Mini-DIN "F" ..... See Pg. 11.30

### ORIFICE INFORMATION

Available Orifices and Equivalent Maximum Pressure Ratings for AC Voltages (DC Ratings Slightly Lower)

CFM – Flow @

Number	Orifice	Cv Factor	2 Way N.O.		2 Way N.C.		3 Way N.O.		3 Way N.C.		CFM – Flow @	
			150 psi	500 psi	150 psi	200 psi	150 psi	200 psi	100 psi	50 psi		
Number 0	1/32	.022	150 psi	500 psi	150 psi	200 psi	150 psi	200 psi	1.3	0.9		
Number 1	3/64	.055	125	400	125	150	125	150	3.5	2.0		
Number 2	1/16	.075	100	200	100	100	100	100	5.8	3.4		
Number 3	3/32	.156	NA	100	NA	60	NA	60	9.0	6.0		
Number 4	1/8	.230	NA	75	NA	30	NA	30	NA	8.0		

All 3 way (EX) exhaust orifices are 1/16.

All 3 way (EX) exhaust orifices are 1/16.

### 3 WAY NORMALLY OPEN

#### BODY STYLE 1

#### SIDE PORT

De-Energized	Energized	IN	CYL	EX†	Basic Model
		10-32	1/8	1/8	83-★-◆-NO1
		1/8	1/8	1/8	83-★-◆-NO2
		10-32	1/4	1/4	43-★-◆-NO1
		1/8	1/4	1/4	43-★-◆-NO2

### 3 WAY NORMALLY CLOSED

#### BODY STYLE 1

#### SIDE PORTS

De-Energized	Energized	IN	CYL	EX†	Basic Model
		1/8	1/8	10-32	83-★-◆
		1/4	1/4	10-32	43-★-◆

† For optional 1/8 NPT Adapter add Suffix "A"

#### BODY STYLE 2

#### FEMALE BOTTOM PORT

De-Energized	Energized	IN	CYL	EX	Basic Model
		10-32	1/8	1/8	F-883-★-◆-NO1
		1/8	1/8	1/8	F-883-★-◆-NO2
		10-32	1/8	1/4	F-483-★-◆-NO1
		1/8	1/8	1/4	F-483-★-◆-NO2
		10-32	1/4	1/8	F-843-★-◆-NO1
		1/8	1/4	1/8	F-843-★-◆-NO2
		10-32	1/4	1/4	F-443-★-◆-NO1
		1/8	1/4	1/4	F-443-★-◆-NO2

#### BODY STYLE 2

#### FEMALE BOTTOM PORT

De-Energized	Energized	IN	CYL	EX†	Basic Model
		1/8	1/8	10-32	F-883-★-◆
		1/8	1/4	10-32	F-843-★-◆
		1/4	1/8	10-32	F-483-★-◆
		1/4	1/4	10-32	F-443-★-◆

† For optional 1/8 NPT Adapter add Suffix "A"

#### BODY STYLE 3

#### MALE BOTTOM PORT

De-Energized	Energized	IN	CYL	EX	Basic Model
		10-32	1/8	1/8	883-★-◆-NO1
		1/8	1/8	1/8	883-★-◆-NO2
		10-32	1/8	1/4	483-★-◆-NO1
		1/8	1/8	1/4	483-★-◆-NO2
		10-32	1/4	1/8	843-★-◆-NO1
		1/8	1/4	1/8	843-★-◆-NO2
		10-32	1/4	1/4	443-★-◆-NO1
		1/8	1/4	1/4	443-★-◆-NO2

#### BODY STYLE 3

#### MALE BOTTOM PORT

De-Energized	Energized	IN	CYL	EX†	Basic Model
		1/8	1/8	10-32	883-★-◆
		1/8	1/4	10-32	843-★-◆
		1/4	1/8	10-32	483-★-◆
		1/4	1/4	10-32	443-★-◆

† For optional 1/8 NPT Adapter add Suffix "A"

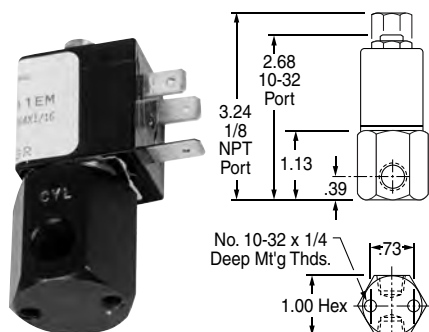
#### BODY STYLE 3

#### MALE BOTTOM PORT

De-Energized	Energized	IN	CYL	EX†	Basic Model
		1/8	1/8	10-32	X-883-★-◆
		1/8	1/4	10-32	X-483-★-◆
		1/4	1/8	10-32	X-843-★-◆
		1/4	1/4	10-32	X-443-★-◆

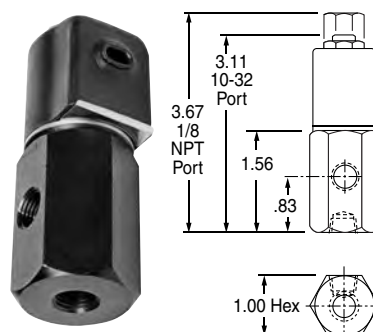
† For optional 1/8 NPT Adapter add Suffix "A"

#### BODY STYLE 1 – Side Ports



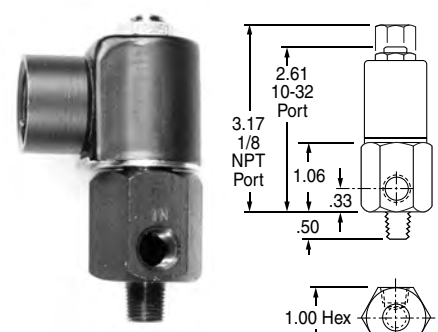
See Pg. 11.29 for Housing Details

#### BODY STYLE 2 – Female Bottom Port



See Pg. 11.29 for Housing Details

#### BODY STYLE 3 – Male Bottom Port



See Pg. 11.29 for Housing Details