

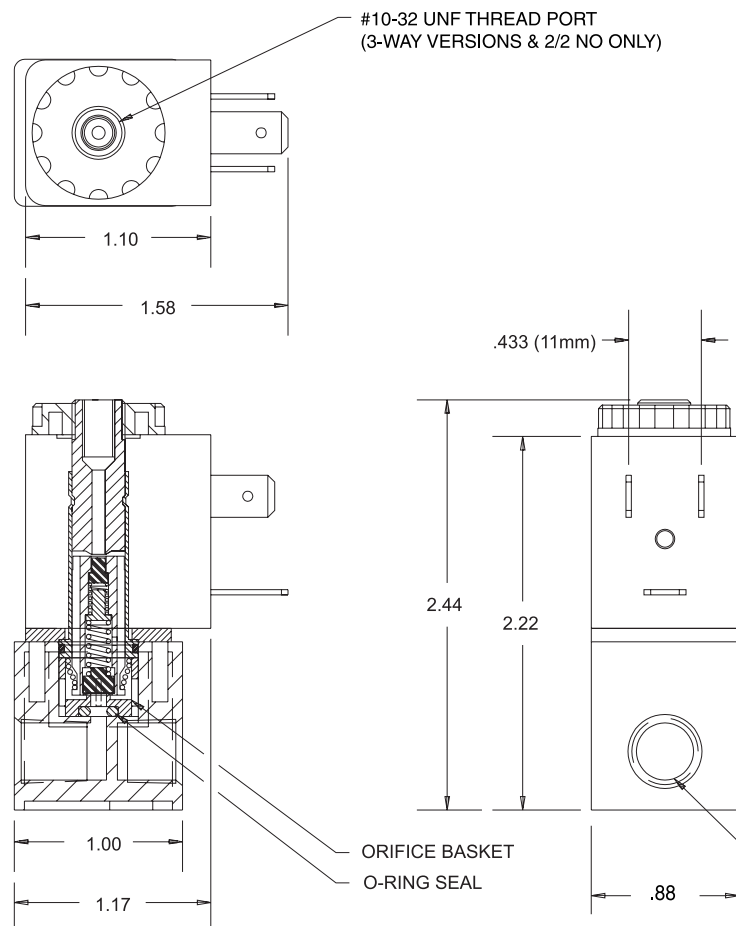
Directional Control Valves *Composite Solenoid Valve, 2 & 3-Way* **Series 3853** Normally Closed or Normally Open

The Series 3853 is a composite body solenoid valve offered in both 2-way and 3-way normally open or closed functions and seven orifice sizes. Component features include the proven solenoid operator available in brass/stainless or all stainless pilot design, optional seal materials and nylon encapsulated coil. The "basket" ori-

fice design feature allows the possibility of changing the orifice diameter to meet flow requirements.

The DuPont Zytel FE 5105, FDA approved composite material is media compatible eliminating the need for stocking multiple body materials.

Dimensional Data



Features

- Composite material
- Chemical compatibility
- FDA approved versions
- 7 orifice sizes
- Easily replaceable orifice
- Vacuum holding & flow applications
- Pressure to 270 psi
- DIN spades or flying leads



1/8 NPT PORT / 2 PLACES
*WARNING- WHEN USING METAL FITTINGS
DO NOT EXCEED 40 IN. LBS TORQUE OR
MATERIAL FAILURE CAN OCCUR .
PLASTIC FITTINGS RECOMMENDED

ORIFICE SIZE / VOLTAGE

FUNCTION	0.6 mm		1.0 mm		1.2 mm		1.5 mm		2.0 mm		2.4 mm		3.0 mm	
	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC
	270	270	250	250	250	250	250	250	250	250	200	200	75	60
2/2 NC	270	270	250	250	250	250	250	250	250	250	200	200	75	60
2/2 NO	N/A	N/A	N/A	N/A	N/A	N/A	250	250	N/A	N/A	N/A	N/A	N/A	N/A
3/2 NC	250	250	200	200	180	180	160	150	N/A	N/A	N/A	N/A	N/A	N/A
3/2 NO	N/A	N/A	N/A	N/A	N/A	N/A	170	150	N/A	N/A	N/A	N/A	N/A	N/A

MAX. PRESSURE RANGE

Directional Control Valves Composite Solenoid Valve, 2 & 3-Way Normally Closed or Normally Open **Series 3853**

Technical Data

Function: 2-way, 2 position and 3-way, 2 position
direct acting, normally closed or normally open

Port Sizes:	Function	Inlet	Outlet	Exhaust
	2/2 NC	1/8 NPT	1/8 NPT	---
	2/2 NO	1/8 NPT	10-32 TOP	---
	3/2 NC	1/8 NPT	1/8 NPT	10-32 TOP
	3/2 NO	10-32 TOP	1/8 NPT	1/8 NPT

**Orifice Sizes/
Flow Factor:**

0.6 mm / .025 Cv
1.0 mm / .05 Cv
1.2 mm / .065 Cv
1.5 mm / .08 Cv
2.0 mm / .17 Cv
2.4 mm / .24 Cv
3.0 mm / .31 Cv

Pressure Range: 0-270 PSI (depending on orifice size and function)

Temp. Range: (Media 90°C max.) Ambient - 10 to +50°C

Response Time: 12-14 ms complete cycle

Materials:

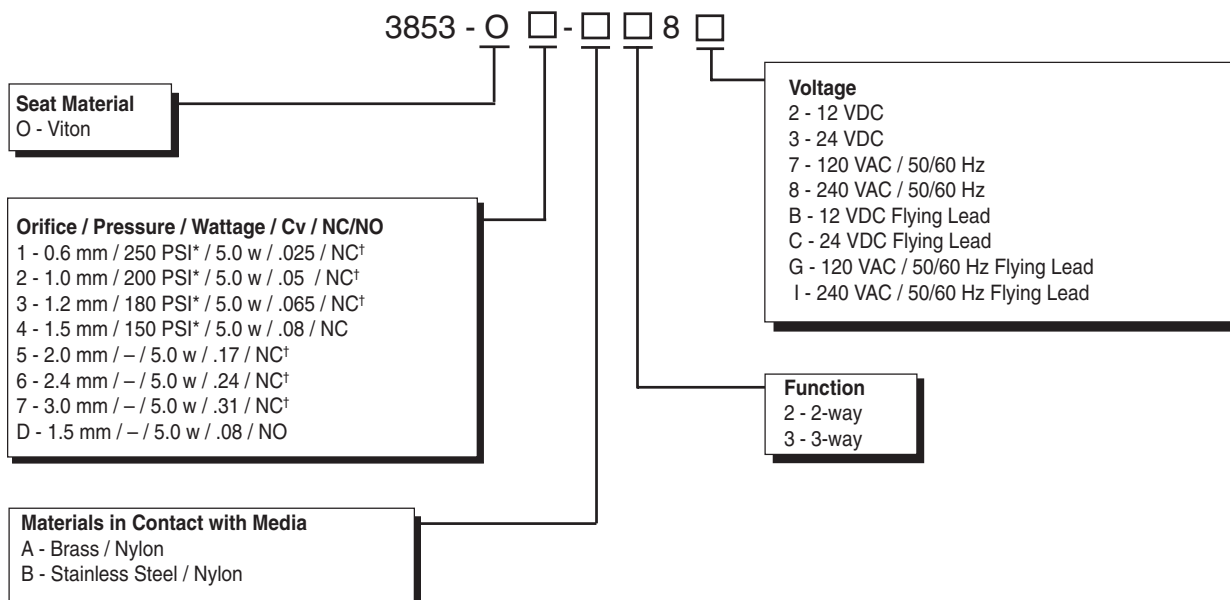
Operator:	400 Series Stainless and Brass standard (400 and 300 Stainless optional)
Shading Ring:	Copper
Springs:	300 Series Stainless
Seals:	Viton standard (other materials available on request)
Valve Body:	DuPont Zytel FE 5105. FDA Approved.

Media: Air, oil, inert gas, water, caustics, etc.

Mounting: Ø.150" drill, 2 places for a #8 self-tapping screw

Coil Data: Glass filled nylon encapsulation (Class F, continuous duty)
DIN spades (11 mm centers) or flying leads – 22 ga. wire w/PVC insulation – 18" long
5 watt standard (other wattages available on request)
All standard industrial voltages
Voltage Tolerance: +/- 10%
Connectors available for DIN Spades – see page bottom for part numbers.

How To Order



† Not Available in all functions

*NOTE: Pressure ratings, if shown, are for 3/2 NC valve with DC voltage

Connectors for DIN Spades (11 mm centers):

P/N 122-09-N Black housing - No LED

P/N 122-09-T-A.1-Voltage . . Transparent housing and LED