

# NOZZLETECH INC.

3208C EAST COLONIAL DRIVE  
ORLANDO, FL 32803 USA

Coming In  
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EMAIL [sales@nozzletech.com](mailto:sales@nozzletech.com)

<http://www.nozzletech.com>

PHONE 800-544-2969

FAX 407-426-2025

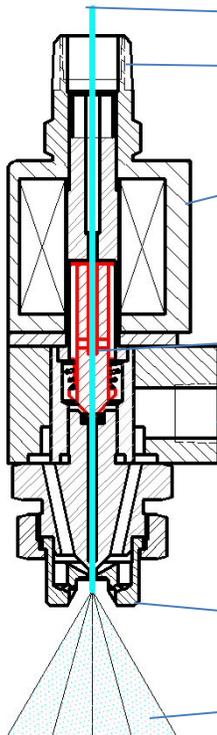
## COMPACT ELECTRIC VALVES FOR SPRAYING FLUIDS

### A Series of Compact Electric Valves for spraying and dispensing low viscosity fluids.

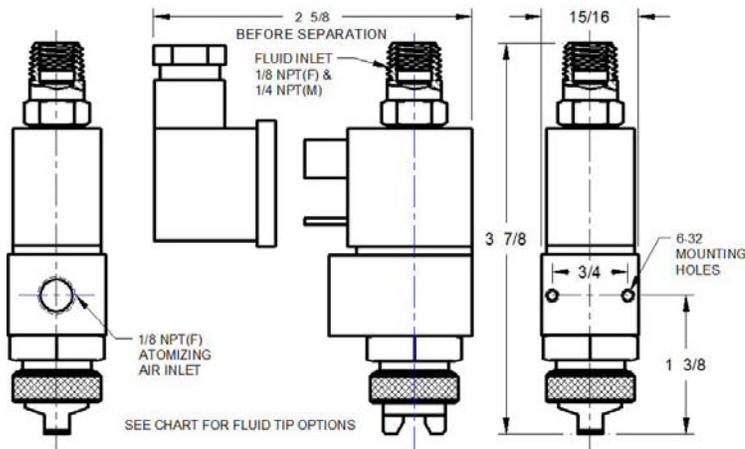
These valves are electrically actuated directly from 24 volts DC from your PLC. The simple direct acting valve design give high speed operation and long service life. There are no dynamic seals to wear and leak.

The small size and light weight of these dispensing valves make them ideal for use in confined areas or on weight sensitive high speed moving installations.

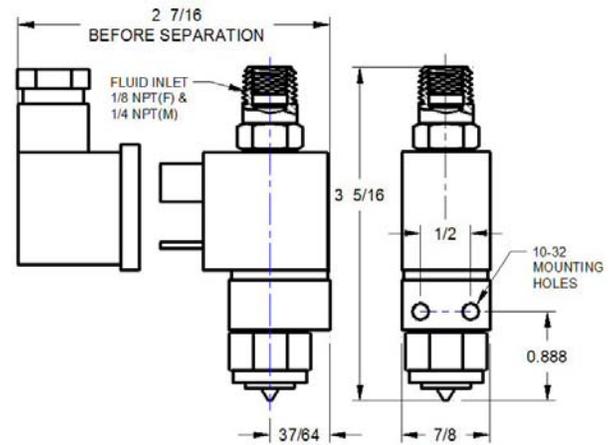
A complete line of fittings, control equipment. and accessories is available to aid in building complete fluid dispensing systems to solve your problems.



- Straight line fluid flow
- Fluid Inlets 1/4NPT(M) and 1/8 NPT(F)
- Potted Solenoid coil
- Gasketed electrical connector
- All wetted parts Stainless steel or Teflon
- Simple Design, one moving part
- No Dynamic seals to leak
- Atomizing air inlet 1/8NPT(F)
- Weighs 9 ounces. 250 grams
- Maximum pressure 200 PSI, 13.8 Bar
- 24 volt DC coil, 4.8 watts continuous
- Variety of Fluid Tips and Air Caps
- Different flow rates and pattern shapes



**Air Atomizing Spray Valves**



**Extrusion valves for a single Stream**

Model	Type	Angle	Orifice Inch (mm)	Flow At 5/20 PSI Water	Pattern at 3 (75mm) height	Pattern at 6 (150mm) height	Pattern at 12 (300mm) height
CEV 01	Extrusion	0°	0.010 (.25mm)	15/30	Dot/Bead		
CEV 02	Extrusion	0°	0.014 (.35mm)	30/60	Dot/Bead		
CEV 03	Extrusion	0°	0.020 (.50mm)	50/100	Dot/Bead		
CEV 04	Extrusion	0°	0.028 (.70mm)	100/200	Dot/Bead		
CEV 11	Spray Round	15°	0.010 (.25mm)	15/30	.75 (19)	1.5 (38)	3 (76)
CEV 12	Spray Round	15°	0.014 (.35mm)	30/60	.75 (19)	1.5 (38)	3 (76)
CEV 13	Spray Round	15°	0.020 (.50mm)	50/100	.75 (19)	1.5 (38)	3 (76)
CEV 14	Spray Round	15°	0.028 (.70mm)	100/200	.75 (19)	1.5 (38)	3 (76)
CEV 21	Spray Fan	60°	0.010 (.25mm)	15/30	3 (75)	6 (150)	12 (300)
CEV 22	Spray Fan	60°	0.014 (.35mm)	30/60	3 (75)	6 (150)	12 (300)
CEV 23	Spray Fan	60°	0.020 (.50mm)	50/100	3 (75)	6 (150)	12 (300)
CEV 24	Spray Fan	60°	0.028 (.70mm)	100/200	3 (75)	6 (150)	12 (300)

**OPERATING DATA**

Fluid is dispensed when the built in solenoid is energized, moving the plunger assembly away from the valve seat. The plunger has no seals or packings to inhibit its movement, and thus responds uniformly with each actuation, providing accurate repeatability. This ensures that the amounts of fluids dispensed will always be alike for the same time setting and pressures. The positive shut off saves material, and ensures that the fluid will be deposited where required.

Although the operating characteristics are greatly dependent upon the fluid used, typically with thin fluids, the spray can be controlled with an on time in the millisecond range.

**TYPICAL APPLICATIONS**

Ideal for many industrial spray applications, to apply low to medium viscosity fluids, in controlled patterns. Low pressure eliminates excessive overspray, and permits gentle deposition on delicate fabrics.

Appropriate for chemical application such as perfumes, silicones, lubricants, sealants, water, etc., where stainless steel construction is essential. Ideal in limited spaces, and for robotic and automation equipment, where a lightweight head improves the entire operation. Fits into spaces not accessible to larger conventional type spray guns.

For additional fittings, see drawings D401806.

**ALL PRICES AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE**

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