

Chem-S™ Series – Subminiature

- ▶ MOPD: 70 PSI
- ▶ C_v Range: 0.016 to 0.040
- ▶ 2 Watts

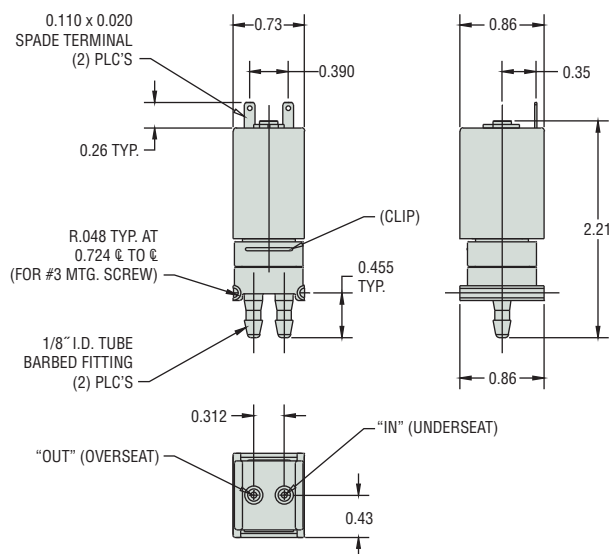
The Chem-S™ utilizes revolutionary diaphragm technology in a liquid compatible, sub-miniature inert isolation valve. With a compact size, flexible diaphragm design, low power consumption, and low cost the Chem-S provides a unique and valuable option for the medical and scientific instrumentation industries. The Chem-S specifically targets the performance and price void between the limited pinch valve and the very expensive rocker style solenoid.

Typical Applications

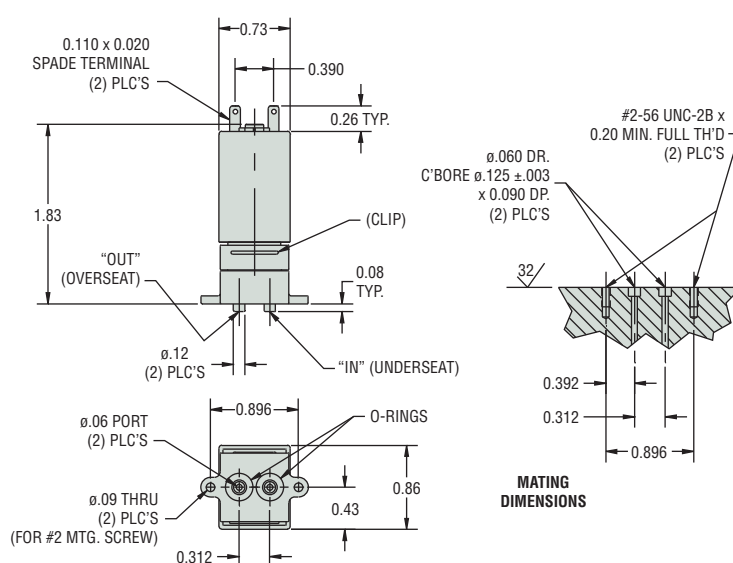
- Analytical Instrumentation
- Clinical Chemistry Equipment
- Medical Diagnostic and Testing Machinery

Dimensions

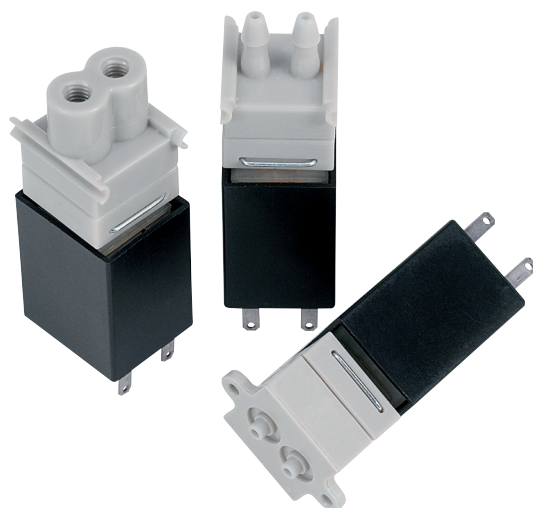
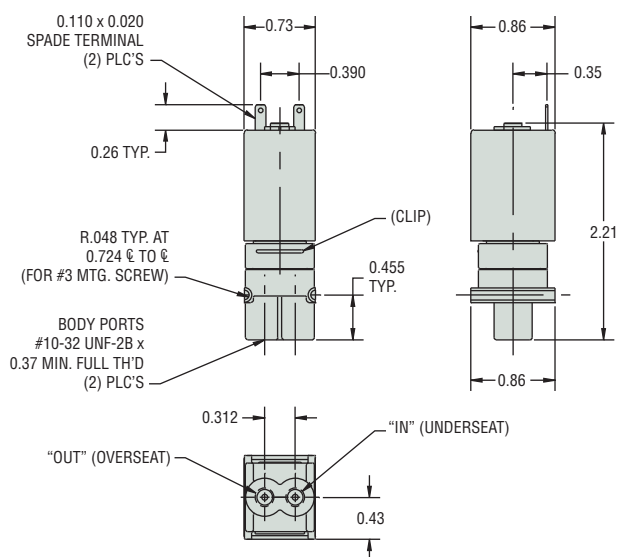
Barb Port Body



Manifold Mount Body

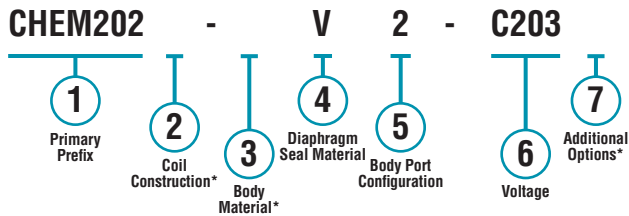


Threaded Port Body



How To Order

Use the **Bold** characters from the choices listed below to construct a product code.



* Blank entry indicates a "Standard" selection
(Quick connect 0.110 spade and Polyurethane (Isoplast™), in this case).

Example:

CHEM202-V2-C203

2-Way N.C. solenoid valve, with quick connect 0.110 spade, polyurethane (Isoplast™) body, Viton® diaphragm seal, manifold mount, operating at 12 VDC.

Part Prefix Table ①

Orifice	MOPD (psig)	C _v	① Primary Prefix
		Body	
0.031	70	0.016	CHEM202
0.052	25	0.040	CHEM205

② **Coil Construction**
(blank) = Quick connect 0.110 spade*

③ **Body Material**
(blank) = Polyurethane (Isoplast™)*

④ **Diaphragm Seal Material**
V = Viton®
E = EPDM

⑤ **Body Port Configuration**
1 = 1/8" barb
2 = Manifold mount†
3 = #10-32 flat bottom straight thread ports

⑥ **Voltage**
C201 = 5 VDC
C203 = 12 VDC
C204 = 24 VDC
___ VDC = DC (specify voltage)

Please Note: Usable for vacuum applications (0-27" Hg). When using for vacuum applications apply vacuum to "IN" port.

* Standard selection; will be used unless otherwise specified.
Standard selections are not referenced in final part number.

† Teflon® o-ring not suitable for manifold mount.

Gems specializes in the design and manufacturing of custom solenoid valves and fluidic systems. If you don't see what you're looking for, or have a question, contact us at 800-378-1600 or info@gemssensors.com.