

Part Prefix Table ①

Body Material	Orifice	MOPD (psig)	Max Back Pressure	C _v	① Primary Prefix	
	Body				Grommet Housing	Conduit Housing
303 Stainless Steel ¹	3/64	150	15	0.035	BS2010	BS2020
	1/16	110	10	0.065	BS2011	BS2021
	5/64	85	10	0.090	BS2012	BS2022
	3/32	70	10	0.155	BS2013	BS2023
	7/64	25	10	0.200	BS2014	BS2024
	1/8	10	5	0.240	BS2015	BS2025
	5/32	5	5	0.300	BS2016	BS2026
Polypropylene (1/8-27 NPT Female Thread body port only)	3/64	150	15	0.035	BS2030	BS2040
	1/8	10	5	0.240	BS2035	BS2045

* Other body orifice sizes may be available, consult factory.

② Coil Construction

(blank) - Tape-wrapped, Class-B, with 18" lead-wires*

W = Tape-wrapped coil, lead-wires, non-standard length (specify in inches)

1 = Encapsulated coil, Class-B, lead-wires

3 = Encapsulated coil, Class-H, lead-wires

4 = Encapsulated coil, Class-B, 1/4" spade terminals (3/16" spade optional)

10 = Externally rectified coil (lead-wires only)

11 = Tape-wrapped coil, Class-H, lead-wires

HC2 = Encapsulated coil, Class-B, EN175301-803 Style C, Industrial, 9.4mm, 2+1 poles

③ Body Material (Replaces Standard 303 SS)

BB = Brass

SB = 304 Stainless Steel

SB5 = 316 Stainless Steel

④ Diaphragm Seal Material

(blank) = Viton[®] diaphragm*

E = EPR diaphragm

NS = Nitrile (NSF/FDA) diaphragm

PF = Perfluoroelastomer diaphragm

⑤ Body Port Configuration

(blank) = 1/8-27 NPT female thread*

LB = 1/4-18 NPT female thread²

BD = #10-32 female straight thread (max. orifice = 1/8")²

LT = 1/8-28 BSPT female thread²

LU = 1/4-19 BSPT female thread²

MM = Manifold mount (1/4-28 UNF-2A mounting stud)¹²

MM3 = Manifold mount (5/16-24 UNF-2A mounting stud)¹²

OB = Omit body (operator style)²

BI = Bottom over-seat port, female thread (max. orifice = 1/8")²

BIM = Bottom over-seat port, 1/8-27 NPT male thread

(max. orifice = 5/64", brass body only)²

BO = Bottom under-seat port, female thread²

BOM = Bottom under-seat port, 1/8-27 NPT male thread

(max. orifice = 1/8", brass body only)²

RL = 90° porting - left hand²

RR = 90° porting - right hand²

⑥ Voltage

— **VDC** = DC (specify voltage)

— **VAC** = AC Rectified only (specify voltage)

⑦ Additional Options

WM = Mounting bracket

OC = Cleaned for oxygen use

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

Notes

- Use Prefixes from these rows if you want to use any of the other Body Materials listed under selection ③. Simply add the respective material code in the 3rd part number position (See Example).
- Not available with Polypropylene bodies.

[†] 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.