



Part Prefix Table ①

Body Material	Orifice	MOPD (psig)	Max Back Pressure	C <sub>v</sub>	① Primary Prefix	
	Body				Grommet Housing	Conduit Housing
303 Stainless Steel <sup>1</sup>	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<sup>®</sup> 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 thread<sup>2</sup>

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

**LT** = 1/8-28 BSPT female thread<sup>2</sup>

**LU** = 1/4-19 BSPT female thread<sup>2</sup>

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

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

**OB** = Omit body (operator style)<sup>2</sup>

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

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

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

**BO** = Bottom under-seat port, female thread<sup>2</sup>

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

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

**RL** = 90° porting - left hand<sup>2</sup>

**RR** = 90° porting - right hand<sup>2</sup>

### 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.

<sup>†</sup> Teflon<sup>®</sup> 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](mailto:info@gemssensors.com).