

## G Series – Subminiature

- ▶ MOPD: 250 PSI (17 Bar)
- ▶  $C_v$  Range: 0.018 to 0.070 ( $K_v$  Range: 0.015 to 0.054)
- ▶ 0.65 Watts or 2 Watts

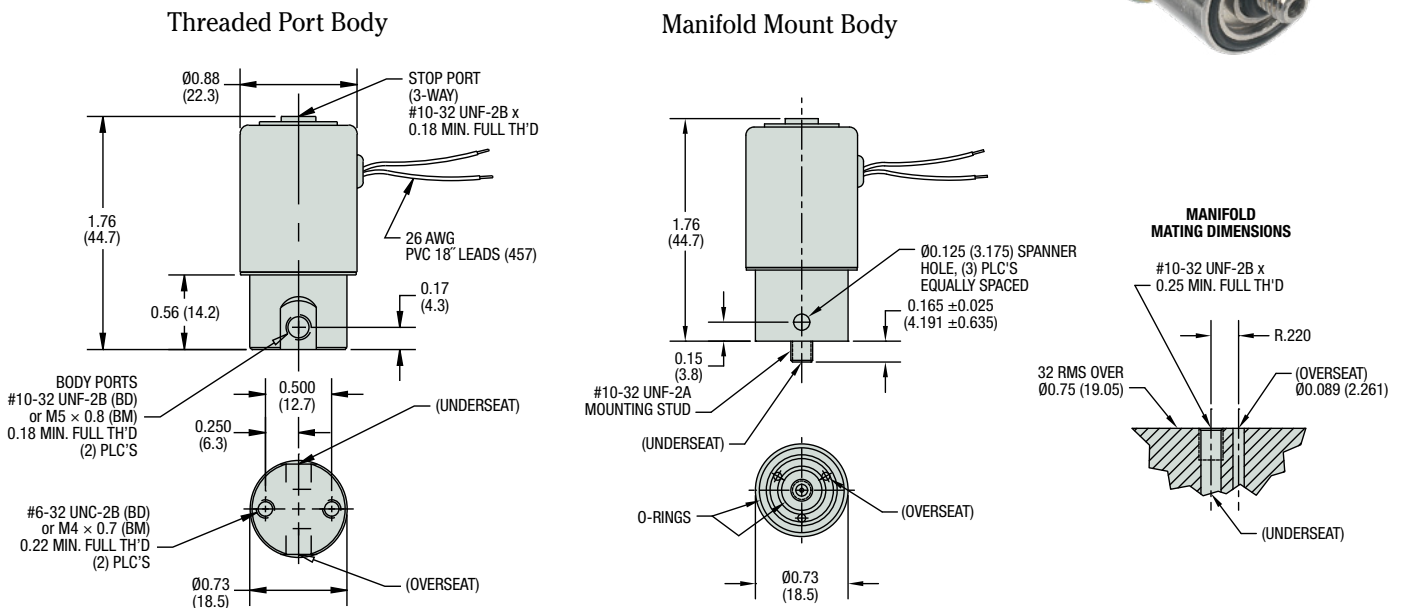
This extremely versatile 2- or 3-way sub-miniature valve gives you the option of choosing the highly durable stainless steel or the lightweight corrosion resistant acetal body, to meet your overall design parameters. Select stainless steel or Delrin®, and other materials available to resist corrosion in most acids and alkaline solutions, or pick acetal for a tough and heat resistant metal substitute to meet your weight and chemical inert requirements.

### Typical Applications

- Medical and Respiratory Healthcare
- Printing Machinery and Sorting Equipment
- Automated Packaging Equipment
- Air Monitoring Systems



### Dimensions



### How To Order

Valve Part Numbers are built from a series product codes. Use the **Bold** product codes from the choices listed on the following page to construct a complete Part Number.

<b>G</b>	<b>G</b>	<b>20</b>	<b>27</b>	-	<b>01</b>	<b>MM</b>	-	<b>B</b>	-	<b>G1</b>	-	<b>203</b>
Series	Power Rating	Function	MOPD		Body Material	Body Port		Seal Material		Coil Construction		Supply Voltage

#### Product Description from Example Shown Above:

#### GG2027-01MM-B-G1-203

**GG2027** = G Series with 0.65 Watt Power Rating, 2-Way Normally Closed Valve Function; 70 MOPD

**-01MM** = 303 Stainless Steel Body Material; Manifold Mount Body Port

**-B** = Nitrile (Buna-N) Seal Material (Plunger Seal and Internal O-Ring)

**-G1** = Grommet Housing, Tape-Wrapped (Class B) Coil Construction

**-203** = 12 VDC Supply Voltage

# G Series – Part Number Build

Build a Valve Part Number by filling in the boxes below using the related code numbers on this page.

<b>G</b>				<b>- 01</b>		<b>-</b>		<b>-</b>		<b>-</b>	
Series	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>			

## 1 + 2 + 3 Power Rating, Valve Function, & Maximum Operating Pressure Differential

Valve Function	Code	Power Rating	MOPD		C <sub>v</sub>		K <sub>v</sub>		Orifice			
			psig	bar	Body	Stop	Body	Stop	Body		Stop	
									inches	mm	inches	mm
2-WAY Normally Closed	G2020	0.65W	125	8.6	0.015	0.018	—	—	0.030	0.762	—	—
	G2027		70	4.8	0.020	0.023	—	—	0.040	1.016	—	—
	G2031		40	2.8	0.032	0.038	—	—	0.055	1.397	—	—
	G2035		20	1.4	0.054	0.063	—	—	0.078	1.981	—	—
	H2009	2W	250	17	0.015	0.018	—	—	0.030	0.762	—	—
	H2014		175	12	0.020	0.023	—	—	0.040	1.016	—	—
	H2022		100	6.9	0.032	0.038	—	—	0.055	1.397	—	—
	H2029		50	3.4	0.054	0.063	—	—	0.078	1.981	—	—
3-WAY Normally Closed	G3120	0.65W	125	8.6	0.018	0.015	0.0153	0.018	0.030	0.762	0.030	0.762
	G3127		70	4.8	0.023	0.020	0.01955	0.023	0.040	1.016	0.040	1.016
	G3131		40	2.8	0.038	0.032	0.0323	0.038	0.055	1.397	0.055	1.397
	G3135		20	1.4	0.063	0.054	0.04845	0.057	0.078	1.981	0.078	1.981
	H3111	2W	200	14	0.018	0.015	0.01955	0.023	0.030	0.762	0.030	0.762
	H3117		150	10	0.023	0.020	0.01955	0.023	0.040	1.016	0.040	1.016
	H3125		100	6.9	0.038	0.032	0.0323	0.038	0.055	1.397	0.055	1.397
	H3131		50	3.4	0.063	0.054	0.04845	0.057	0.078	1.981	0.078	1.981
3-WAY Normally Open	G3220	0.65W	125	8.6	0.015	0.018	0.018	0.015	0.030	0.762	0.030	0.762
	G3227		70	4.8	0.020	0.023	0.023	0.020	0.040	1.016	0.040	1.016
	G3231		40	2.8	0.032	0.038	0.038	0.032	0.055	1.397	0.055	1.397
	G3235		20	1.4	0.048	0.057	0.057	0.049	0.078	1.981	0.078	1.981
	H3214	2W	175	12	0.015	0.018	0.018	0.015	0.030	0.762	0.030	0.762
	H3217		150	10	0.020	0.023	0.023	0.020	0.040	1.016	0.040	1.016
	H3225		80	5.5	0.032	0.038	0.038	0.032	0.055	1.397	0.055	1.397
	H3231		40	2.8	0.048	0.057	0.057	0.049	0.078	1.981	0.078	1.981
3-WAY Multi Purpose	G3325	0.65W	80	5.5	0.015	0.018	0.018	0.015	0.030	0.762	0.030	0.762
	G3331		40	2.8	0.020	0.023	0.023	0.020	0.040	1.016	0.040	1.016
	G3335		20	1.4	0.031	0.036	0.029	0.024	0.055	1.397	0.055	1.397
	G3337		10	0.7	0.054	0.063	0.053	0.045	0.078	1.981	0.078	1.981
	H3321	2W	110	7.6	0.015	0.018	0.018	0.015	0.030	0.762	0.030	0.762
	H3324		85	5.9	0.020	0.023	0.023	0.020	0.040	1.016	0.040	1.016
	H3329		50	3.4	0.031	0.036	0.029	0.024	0.055	1.397	0.055	1.397
	H3334		25	1.7	0.054	0.063	0.057	0.049	0.078	1.981	0.078	1.981
3-WAY Directional Control	G3418	0.65W	135	9.3	0.015	0.018	0.018	0.015	0.030	0.762	0.030	0.762
	G3425		80	5.5	0.020	0.023	0.023	0.020	0.040	1.016	0.040	1.016
	G3430		45	3.1	0.025	0.029	0.029	0.024	0.055	1.397	0.055	1.397
	G3435		20	1.4	0.054	0.063	0.055	0.046	0.078	1.981	0.078	1.981
	H3412	2W	190	13	0.015	0.018	0.018	0.015	0.030	0.762	0.030	0.762
	H3415		165	11	0.020	0.023	0.020	0.017	0.040	1.016	0.040	1.016
	H3425		80	5.5	0.032	0.038	0.038	0.032	0.055	1.397	0.055	1.397
	H3431		40	2.8	0.054	0.063	0.063	0.053	0.078	1.981	0.078	1.981

## G Series – Part Number Build cont'd

<p><b>4 Body Material</b></p> <p><b>01</b> 303 Stainless Steel</p>	<p><b>6 Seal Material</b></p> <p><b>B</b> Nitrile <b>V</b> Viton®</p>	<p><b>8 Supply Voltages</b></p> <p><b>203</b> 12 VDC <b>204</b> 24 VDC</p>
<p><b>5 Body Port</b></p> <p><b>BD</b> #10-32 Straight Thread <b>BM</b> M5 × 0.8 <b>MM</b> Manifold Mount (#10-32 Threaded Stud)</p>	<p><b>7 Coil Construction</b></p> <p><b>G1</b> Grommet Housing, Tape-Wrapped (Class B) Lead Wires <b>G5</b> Grommet Housing, Epoxy Encapsulated (Class B) Lead Wires</p>	

## G Series – Additional Component Details & Dimensions

<p><b>2 Valve Function</b></p> <p>Flow Schematics</p>	<p><b>Flow Key</b></p> <p> Blocked Flow    O/S = Over Seat  Free Flow        U/S = Under Seat</p>
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Valve Type	De-Energized	Energized
<b>2-Way Normally Closed</b>		
<b>3-Way Normally Closed</b>		
<b>3-Way Normally Open</b>		
<b>3-Way Multi Purpose</b>		
<b>3-Way Directional Control</b>		

SOLENOID VALVES