



## 691F Series

High Flow Poppet Check Valves



### Features & Benefits

- Prevents back flow
- Protects valuable equipment
- 316 stainless steel components
- Gyrolok® compression ends provide leak-free, reusable connections
- Recommended for severe service, including CNG applications:
  - High Cv flow rates
  - Blowout-proof o-ring design
  - Withstands high opening shocks without damage
- Special High Tolerance NPT Thread

### Technical Data

<b>Body Material</b>	316 stainless steel
<b>Operating Pressure</b>	5000 psig @ 70° F (345 bar @ 21° C)
<b>Operating Temperature Range</b>	-65° F to +275° F (-54° C to +135° C)
<b>Differential Cracking Pressures</b>	½ psig to 50 psig (0 to 3 bar)
<b>Cv Factors</b>	0.620 to 6.0

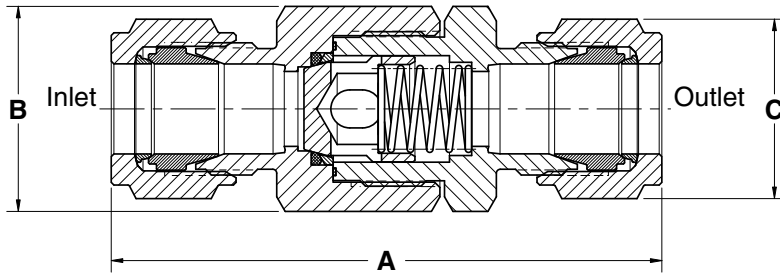
check valves

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# 691F Series

## Dimensions



### Materials of Construction

Part	Material
Body	316 stainless steel
Poppet	316 stainless steel
Seat ring	316 stainless steel
Body gasket	Teflon®
Seat o-ring	Buna N

### Fractional

Part Number	Cv	A	B Body Hex	C Gyrolok® Hex	Wrench
691FxG4Y	0.620	2.72 (69.1mm)	1.000 (25.4mm)	0.562	5/16"
691FxG6Y	1.0	2.83 (71.9mm)	1.000 (25.4mm)	0.688	11/16"
691FxG8Y	2.1	3.10 (78.7mm)	1.000 (25.4mm)	0.875	7/8"
691FxG12Y	6.0	3.75 (95.3mm)	1.625 (41.3mm)	1.125	1 1/8"
691FxG16Y	6.0	3.96 (100.6mm)	1.625 (41.3mm)	1.500	1 1/2"

### Metric

Part Number	Cv	A	B Body Hex	C Gyrolok® Hex	Wrench
691FxG10YMM	1.2	2.84 (72.1mm)	1.000 (25.4mm)	19.1mm	3/4"
691FxG12YMM	1.8	3.13 (79.5mm)	1.000 (25.4mm)	22.2mm	7/8"
691FxG18YMM	5.3	3.67 (93.2mm)	1.625 (41.3mm)	28.6mm	1 1/8"
691FxG22YMM	6.0	3.80 (96.5mm)	1.625 (41.3mm)	31.8mm	1 1/4"
691FxG25YMM	6.0	4.02 (102.1mm)	1.625 (41.3mm)	38.1mm	1 1/2"

## How to Order

### 691 F 5 G 8 Y MM

FIXED CRACKING PRESSURE

CRACKING PRESSURE

- 1 1/8 psig
- 2 1 psig
- 4 5 psig
- 5 10 psig
- 6 25 psig
- 7 50 psig
- 8 75 psig
- 9 100 psig

DENOTES METRIC FITTING

BODY MATERIAL

Y 316 stainless steel

END CONNECTION SIZE

	Fractional	Metric
4	1/4"	N/A
6	3/8"	N/A
8	1/2"	N/A
10	N/A	10mm
12	3/4"	12mm
16	1"	N/A
18	N/A	18mm
22	N/A	22mm
25	N/A	25mm

END CONNECTION

G Gyrolok®

#### FOR YOUR SAFETY

IT IS SOLELY THE RESPONSIBILITY OF THE SYSTEM DESIGNER AND USER TO SELECT PRODUCTS SUITABLE FOR THEIR SPECIFIC APPLICATION REQUIREMENTS AND TO ENSURE PROPER INSTALLATION, OPERATION AND MAINTENANCE OF THESE PRODUCTS. MATERIAL COMPATIBILITY, PRODUCT RATINGS AND APPLICATION DETAILS SHOULD BE CONSIDERED IN THE SELECTION. IMPROPER SELECTION OR USE OF PRODUCTS DESCRIBED HEREIN CAN CAUSE PERSONAL INJURY OR PROPERTY DAMAGE.