



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

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

check valves

HOKE Inc.

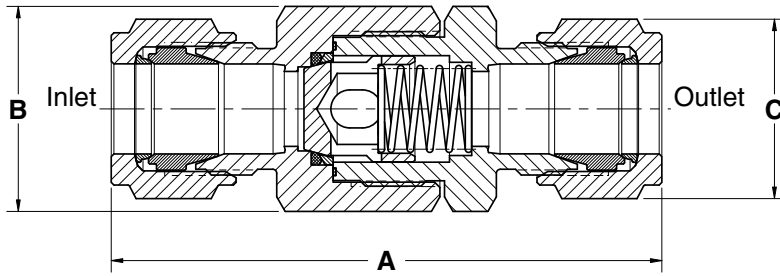
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691F Series

Dimensions



Materials of Construction

Part	Material
Body	316 stainless steel
Poppet	316 stainless steel
Seat ring	316 stainless steel
Body gasket	PTFE
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®