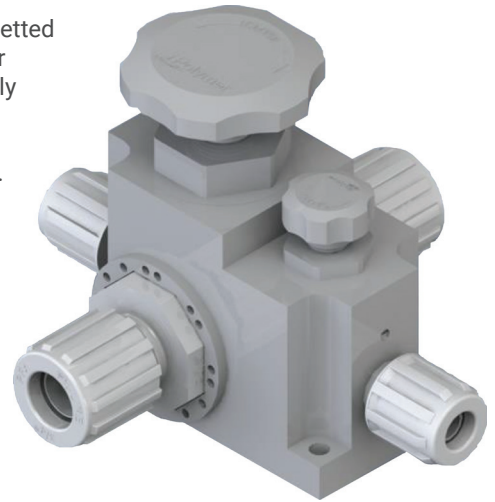




## High-Purity Valve Manifolds for Aggressive Chemicals

iPolymer High-Purity Valve Manifolds (HVM) feature 100% virgin PTFE, PFA and M112 wetted flow path ideally suited for aggressive chemical applications common in Semiconductor valve boxes and distribution systems. Their simple, nonmetallic construction consist only of PTFE, PVDF, PFA and PEEK ensuring reliable, long lasting performance. The primary Manual Valve directs flow from the common ports to the process port (typically North) and the drain valve allows the operator to purge or sample the process (typically South). iPolymer HVM-8 and HVM-12 are direct replacement valves.



### Features & Benefits

- Media Pressure: 80 psi maximum
- Media Vacuum: 25 in Hg
- Media Temperature: 0° - 100°C ( 32° - 212°F)
- Ambient Temperature: 0° - 60°C (32° - 140°F)
- Offered in many unique configurations (consult factory)
- Standard Flare or Fit-Line Global Nexus™ connections

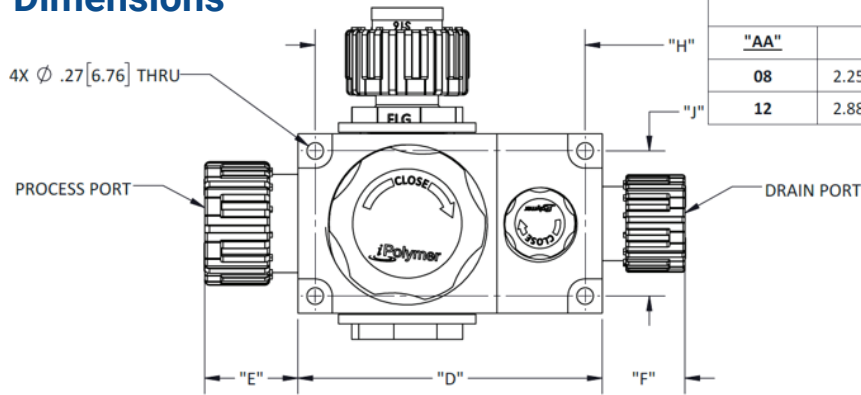
### Materials of Construction

- 100% virgin PTFE and M112 flow path
- Exterior components are PTFE
- Valve handles and locking rings are PVDF
- Universal fittings and nuts are PFA
- No metals – all hardware and pins are PEEK

### Specifications

Port	HVM-8	Cv	Port	HVM-12	Cv
Common	3/4-in Flare Male / Female	15	Common	3/4-in Flare Male / Female	35
Process	1/2-in Flare Main Valve	2.5	Process	1-in Flare Main Valve	9.6
Drain	1/2-in Flare Secondary Valve	0.3	Drain	1/2-in Flare Secondary Valve	0.3

### Dimensions

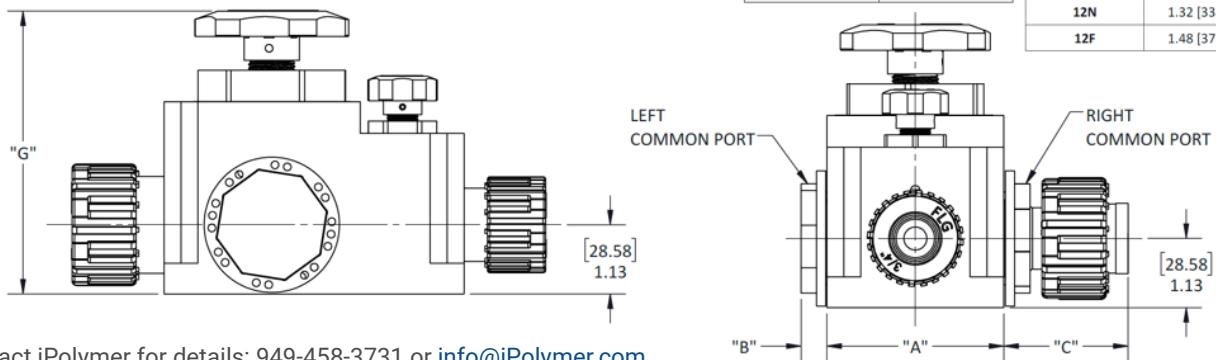


"AA"	"A"	"D"	"G"	"H"	"J"
08	2.25 [57.15]	4.18 [106.05]	4.68 [118.75]	3.63 [92.08]	1.70 [43.18]
12	2.88 [73.03]	4.88 [123.83]	4.60 [116.87]	4.33 [109.86]	2.33 [59.06]

"BBB" OR "CCC"	"B" OR "C"
16U	N/A
16P	.42 [10.67]
16N	1.92 [48.75]
16E	2.02 [51.34]
16F	2.18 [55.29]
16L	2.19 [55.55]
12N	1.85 [47.10]
12E	1.71 [43.35]
12F	1.95 [49.57]
12L	1.87 [47.54]

"DDD"	"E"
08F	1.31 [33.27]
08N	1.34 [34.03]
12N	1.32 [33.64]
12F	1.48 [37.59]
16N	1.50 [38.01]

"EEE"	"F"
08F	1.31 [33.27]
08N	1.34 [34.03]
12N	1.32 [33.64]
12F	1.48 [37.59]



Please contact iPolymer for details: 949-458-3731 or [info@iPolymer.com](mailto:info@iPolymer.com)

