

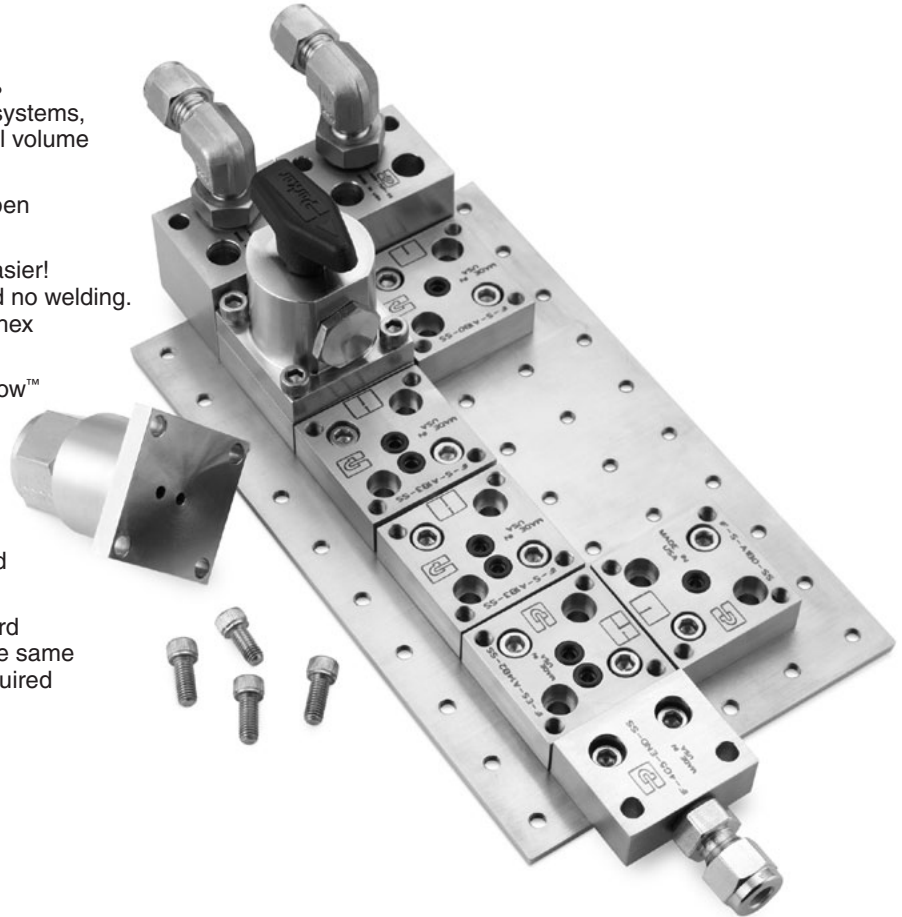
Parker IntraFlow™ Modular Systems

Introduction to Serious Simplicity

Parker IntraFlow™ substrate fittings have been developed specifically for analytical, lab and other complex general purpose instrumentation flow control systems. ISA/ANSI SP76.00.02 compliant, Parker IntraFlow™ fittings provide maximum flexibility with minimal space requirements. All flowpaths, regardless of direction, are maintained on a single plane within the system as there are no lower level manifold blocks required. Contiguous fitting flow paths are intra-connected with slip fit pressure connectors, while a threaded pegboard provides connection force and rigidity when fittings are mounted with cap screws. System assembly couldn't be simpler: a 5/32" hex head wrench is all you need to build with Parker IntraFlow™.

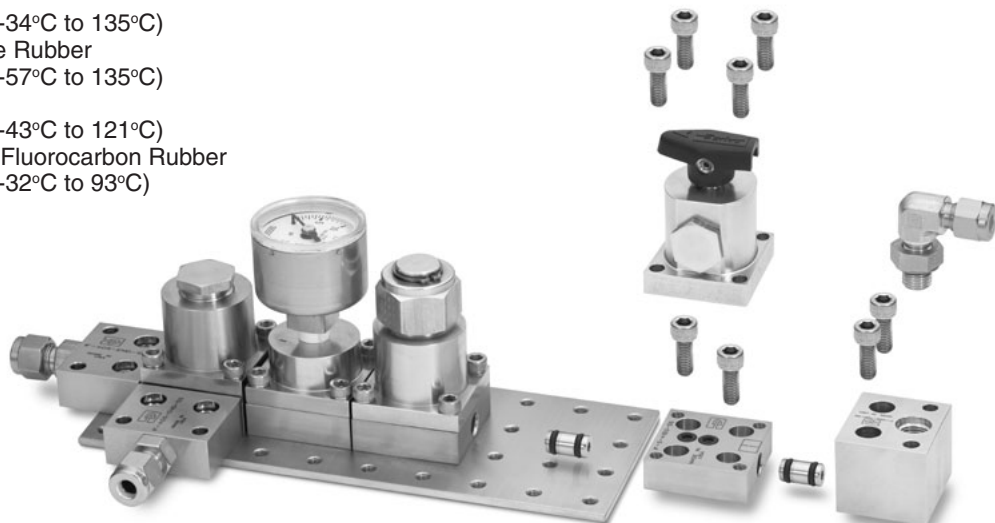
Design Features

- System size is reduced as much as 75% compared with conventionally plumbed systems, drastically reducing panel space, internal volume and purge times
- Compliant with ISA/ANSI SP76.00.02 open architecture standards
- Complex system assembly was never easier! No tube benders or cutters required, and no welding. All that's needed to assemble is a 5/32" hex head wrench!
- Every component on your Parker IntraFlow™ system can be reused when upgrading with emerging NeSSI Generation 2 & 3 technologies
- All flow paths are on the same plane: Parker IntraFlow™ eliminates lower level manifolds to minimize system weight and leak potentials
- Whether mounting a fitting to the standard 1/8" pegboard or a valve to the fitting, the same 10-32 x 1/2" SHCS is the only screw required



Specifications

- **Pressure Rating:**
Vacuum to 500 psig (34 bar) CWP
- **Temperature Ratings:**
 - Fluorocarbon Rubber
-15°F to 400°F (-26°C to 204°C)
 - Buna-N Rubber
-30°F to 275°F (-34°C to 135°C)
 - Ethylene Propylene Rubber
-70°F to 275°F (-57°C to 135°C)
 - Neoprene Rubber
-45°F to 250°F (-43°C to 121°C)
 - Highly Fluorinated Fluorocarbon Rubber
-25°F to 200°F (-32°C to 93°C)



Patent Pending



Field Connectors



End Access



Top Access

Connecting Parker IntraFlow™ systems to pressure sources is simply accomplished with a field connector. Both top and end access connections are available in 1/8" FNPT, 1/4" SAE and 1/4" Inverted CPI™ & A-LOK®.

How To Order Field Connectors

Example:

IF-	2F-	TOP-	SS
Product	Field Connection	Access	Material
IF	2F - 1/8" FNPT 4G5 - 1/4" SAE 4Z7 - 1/4" Inverted CPI™ 4A7 - 1/4" Inverted A-LOK®	TOP (access) END (access)	SS - 316 Stainless Steel

Pressure Connectors



Slip-fit Pressure Connectors provide flowpath intra-connectivity between Parker IntraFlow™ fittings. Pressure Connectors are fully assembled with AS568B standard size 2-008 o-rings and are available in both standard and jumper lengths (for systems with flow requirements between non-contiguous fittings). Orifice is 1/8" and various elastomers are available.

How To Order Pressure Connectors

Example:

IF-	CONNECTOR-	V-	SS	
Product	Component	Elastomer	Length	Material
IF	CONNECTOR	V - Fluorocarbon Rubber EPR - Ethylene Propylene Rubber BN - Buna-N Rubber NE - Neoprene Rubber KZ - Highly Fluorinated Fluorocarbon	Blank - Standard 1 - 1 Block Jumper	SS - 316 Stainless Steel

Mounting Screws



Parker IntraFlow™ requires only a single size screw to assemble an entire system. 10-32 UNF x 1/2" SHCS kits are available in bag quantities of 100. Material is 18-8 Stainless Steel.

Part number: 10-32x1/2-SHC-SCREW-100.