

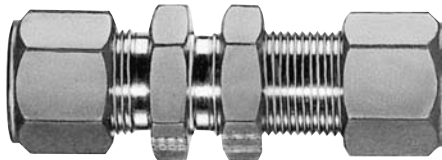
## Tubing &amp; Pipe Connection Fitting

Model SC, NC,  
EBC, EFC & EPC

**Model SC**  
STRAIGHT CONNECTOR



**Model NC**  
NINETY CONNECTOR



**Model EBC**  
ENCLOSURE BULKHEAD CONNECTOR



**Model EFC**  
ENCLOSURE FLUSH CONNECTOR



**Model EPC**  
ENCLOSURE PIPE CONNECTOR

## SC &amp; NC Fittings

Model SC Straight Connector and NC Ninety Connector fittings provide a standard tubing connection for the female regulator port of most Rapid Exchange® Purging Systems. When these systems are outfitted with Model SC or NC fittings, they can be connected to the protective gas supply with standard 1/4", 3/8" or 1/2" diameter, 0.035" wall stainless steel tubing. Model 1005 & 2005 systems are not accommodated because they require a direct 1/2" pipe connection to the protective gas supply for proper operation.

## EFC Fittings

Model EFC enclosure flush connector fittings provide a standard tubing connection on the protected enclosure(s). Because these fittings feature a neoprene O ring and short body, they form an exceptional seal, requiring the smallest possible amount of interior clearance. They are intended for the tubing supply connection on the first enclosure of any installation, and are compatible with all systems, except Models 1005 & 2005. In addition, Model EFC-4 fittings provide the enclosure pressure reference connection on any enclosure for any Pepperl+Fuchs enclosure protection system, because all Pepperl+Fuchs systems feature a 1/4" tube fitting on the enclosure pressure reference port.

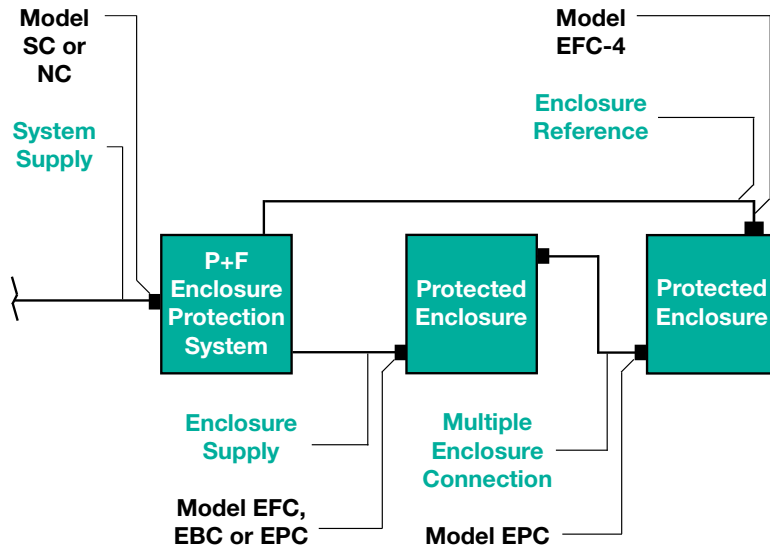
## EBC Fittings

Model EBC enclosure bulkhead connector fittings provide a standard bulkhead tubing connection on a protected enclosure. The fitting features tubing nuts on both ends, to permit tubing to continue through the surface of an enclosure. They are suitable for the enclosure supply connection on any system, with exception to Models 1005 & 2005. These fittings are often used to increase the outward aesthetic appearance of an installation, because they can be mounted directly behind a system and be connected by a short piece of tubing. Then, another piece of tubing can be routed inside the enclosure to the desired point of supply discharge. This method of installation conceals the supply tube, and leaves the outside surface of the enclosure free of obstructions.

## EPC Fittings

Model EPC (Enclosure Pipe Connector) fittings provide a standard female pipe connection on a protected enclosure to terminate pipe connections between multiple enclosures. The pipe connections may be used solely to transfer protective gas, but may also be used as "pressurized raceways" if adequate precautions are taken to insure an unrestricted flow of protective gas. Model EPC-10 is suitable for the supply connection between an enclosure and a Model 1005 or 2005 system. While these fittings are normally associated with the use of electrical conduits, their strong construction makes them ideally suited for low pressure applications; but they are by no means intended for high pressure pneumatic service.

## Typical System Installation & Fitting Use



## Model Number Designations

- Fitting Style** EFC - 4
- SC** - Straight Male Tubing Connector
  - NC** - Ninety Male Tubing Connector
  - EFC** - Enclosure Tubing Flush Connector w/O Ring & Lock Nut
  - EBC** - Enclosure Tubing Bulkhead Connector w/Lock Nut
  - EPC** - Enclosure Pipe Connector w/O Ring & Lock Ring
- Fitting Connection Size**
- 4** - 1/4" Tubing / 1/4" Male Pipe Thread
  - 6** - 3/8" Tubing / 1/4" Male Pipe Thread
  - 8** - 1/2" Tubing / 1/4" Male Pipe Thread
  - 10** - 1/2" Female Pipe Thread
  - 12** - 3/4" Female Pipe Thread
  - 13** - 1" Female Pipe Thread
  - 14** - 1 1/2" Female Pipe Thread
  - 15** - 2" Female Pipe Thread

Sizes 4-8 apply to SC, NC, EFC & EBC Style Fittings  
 Sizes 10-15 apply to EPC Style Fittings only

## Fitting Specification, Compatibility & Use Chart

Model	Connections	Compatible Systems	Intended Use	Cutout
NC-4	1/4" T x 1/4" MPT	1012, 1002 & 2002	System Supply	n/a
NC-6-4	3/8" T x 1/4" MPT	3003 & 4003	System Supply	n/a
NC-6	3/8" T x 3/8" MPT	1003 & 2003	System Supply	n/a
SC-6-8	3/8" T x 1/2" MPT	3003 & 4003	Encl. Supply	n/a
NC-8	1/2" T x 1/2" MPT	1004 & 2004	System Supply	n/a
SC-4	1/4" T x 1/4" MPT	1012, 1002 & 2002	System Supply	n/a
SC-6-4	3/8" T x 1/4" MPT	3003 & 4003	System Supply	n/a
SC-6	3/8" T x 3/8" MPT	1003 & 2003	System Supply	n/a
SC-8	1/2" T x 1/2" MPT	1004, 2004, 3004 & 4004	System Supply	n/a
SC-6-8	3/8" T x 1/2" MPT	3003 & 4003	Encl. Supply	n/a
EFC-4	1/4" T	ALL SYSTEMS	Encl. Reference	0.453"
EFC-4	1/4" T	11, 1011 & 1001A	Encl. Supply	0.453"
EFC-4	1/4" T	1012, 1002 & 2002	Encl. Supply	0.453"
EFC-6	3/8" T	1003, 2003, 3004 & 4004	Encl. Supply	0.578"
EFC-8	1/2" T	1004, 2004, 3004 & 4004	Encl. Supply	0.765"
EBC-4	1/4" T x 1/4" T	11, 1011 & 1001A	Encl. Supply	0.453"
EBC-4	1/4" T x 1/4" T	1012, 1002 & 2002	Encl. Supply	0.453"
EBC-6	3/8" T x 3/8" T	1001B, 1003, 2001B, 2003, 3004 & 4004	Encl. Supply	0.578"
EBC-8	1/2" T x 1/2" T	1001C, 1004, 2001C, 2004, 3004 & 4004	Encl. Supply	0.765"
EPC-10	1/2" FPT	1005 & 2005	Encl. Supply	0.750"
EPC-10	1/2" FPT	11, 1011 & 1001A	Mlt. Encl. Conn.	0.750"
EPC-12	3/4" FPT	1012, 1002 & 2002	Mlt. Encl. Conn.	1.125"
EPC-13	1" FPT	1001B, 1003, 2001B, 2003, 3004 & 4004	Mlt. Encl. Conn.	1.375"
EPC-14	1 1/2" FPT	1001C, 1004, 2001C, 2004, 3004 & 4004	Mlt. Encl. Conn.	2.000"
EPC-15	2" FPT	1005 & 2005	Mlt. Encl. Conn.	2.500"

"T" indicates Tubing Nut & Ferrule Assembly  
 "MPT" indicates Male Pipe Thread "FPT" indicates Female Pipe Thread

## Material Specifications

### Model SC, NC & EBC

Body: 316 SS  
 Finish: Bright Annealed

### Model EFC

Body: 316 SS  
 Finish: Bright Annealed  
 O Ring: Neoprene

### Model EPC

Body: Steel  
 Finish: Zinc Plated  
 O Ring: Neoprene  
 Wire Guard Insert: G. E. Lexan®

Lexan® is a registered trademark of the General Electric Company

## Special Note

THE DIAGRAM AND CHART SHOWN HERE DO NOT APPLY TO PANEL MOUNT CONFIGURATION SYSTEMS.  
 PLEASE CONSULT FACTORY FOR SPECIFIC INFORMATION.

## Important Notes

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.  
 ALL FITTINGS SOLD AT OR BELOW MANUFACTURER'S LIST PRICE.  
 WARRANTY & LIABILITY POLICIES AVAILABLE UPON REQUEST.