

Features

- Suitable for inert gases, liquids and vacuum with metal or plastic tube
- For fast connection and disconnection- without tools
- A wide range of sizes and configurations for use and reuse
- Collet cover prevents accidental removal of tube and allows color coding

**Meets
NSF
Requirements**

**Polypropylene
Fittings**
42 fittings in 9 different
configurations-
contact factory to order



Designed for a wide range of industrial applications, including food quality, which require F.D.A. approved materials. Materials include acetal copolymer or polypropylene, nitrile rubber or EPDM and stainless steel.

Specifications

Temp.	Pressure Air (psi)		Tube Tolerances		Max. Torque (NPT)	
	5/32"- 5/16" ID	3/8"-1/2" ID	5/32"- 3/16" ID	1/4" - 1/2"	1/8"-1/4"	3/8"-1/2"
-20°F to +185°F	230	170	+0.001 / -0.003	+0.001 / -0.004	13 in-lbs	26 in-lbs

Considerations

Pressure and Temperature ratings given when installed with nylon tubing- contact factory for other temperatures, pressures or media.

Tube types

Plastic: Polyethylene, nylon, and polyurethane (tube inserts are recommended for soft tubing)

Braided: Stem/Barb fittings PC47G-*, PC49G-*, PC47GM-* (clamp to retain braided tube on barb is required)

Metal Tube (soft): brass, copper, or mild steel conforming to the **Tube Tolerances** listed

Metal Tube (hard): NOT recommended for use with hard metal tube

Warning: Not recommended for use in heating systems or with explosive gases, petroleum spirits, or other fuels. Contact factory for chemical (or potentially aggressive liquid) resistance information.

Ordering Information

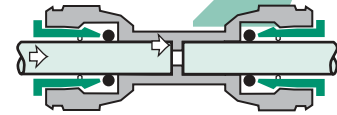
- Plastic push-in fittings are sold in package quantities, please refer to part number listing for package information.
- Contact factory for special size or configuration.

**How to Install
Push-to-Connect Fittings**

Connection

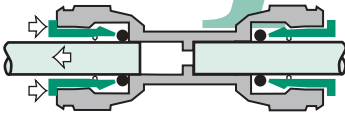
Trim tube square;
outer diameter
must be free of
score marks, burrs
and sharp edges.

Insert tube firmly to
stop, pull to check
connection.



Disconnection

Push in collet, pull
out tube.



**All Push-in fit-
tings are for
use with 95A
Durometer
Polyurethane,
Polyethylene, or
Nylon Tubing**



CONNECTOR

Part No.	Push-in	NPT (F)	Pkg
* PC66G-42	1/4	1/8	10
PC66G-44	1/4	1/4	10
* PC66G-62	3/8	1/8	10
PC66G-64	3/8	1/4	10

CONNECTOR FAUCET

Part No.	Push-in	NPT (F)	Pkg
PC66GF-47	1/4	7/16	10
PC66GF-48	1/4	1/2	10
PC66GF-67	3/8	7/16	10

CONNECTOR

Part No.	Push-in	NPT (M)	Pkg
PC68G-12	5/32	1/8	10
PC68G-14	5/32	1/4	10
PC68G-32	3/16	1/8	10
PC68G-42	1/4	1/8	10
PC68G-44	1/4	1/4	10
PC68G-46	1/4	3/8	10
* PC68G-48	1/4	1/2	10
PC68G-52	5/16	1/8	10
PC68G-54	5/16	1/4	10
PC68G-56	5/16	3/8	10
PC68G-62	3/8	1/8	10
PC68G-64	3/8	1/4	10
PC68G-66	3/8	3/8	10
PC68G-68	3/8	1/2	10
PC68G-86	1/2	3/8	10
PC68G-88	1/2	1/2	10

STEM ADAPTOR

Part No.	Stem	NPT (M)	Pkg
PC41G-12	5/32	1/8	10
PC41G-14	5/32	1/4	10
PC41G-32	3/16	1/8	10
PC41G-42	1/4	1/8	10
PC41G-44	1/4	1/4	10
PC41G-52	5/16	1/8	10
PC41G-54	5/16	1/4	10
PC41G-56	5/16	3/8	10
PC41G-64	3/8	1/4	10
PC41G-66	3/8	3/8	10
PC41G-86	1/2	3/8	10
PC41G-88	1/2	1/2	10

* Indicates NEW size



STEM/BARB

Part No.	Stem	Hose ID	Pkg
PC47G-43	1/4	3/16	10
PC47G-44	1/4	1/4	10
* PC47G-45	1/4	5/16	10
PC47G-53	5/16	3/16	10
PC47G-54	5/16	1/4	10
PC47G-55	5/16	5/16	10
PC47G-56	5/16	3/8	10
PC47G-64	3/8	1/4	10
* PC47G-65	3/8	5/16	10
PC47G-66	3/8	3/8	10
PC47G-68	3/8	1/2	10
PC47G-86	1/2	3/8	10
PC47G-88	1/2	1/2	10



STEM, REDUCER

Part No.	Stem	Push-in	Pkg
PC42G-31	3/16	5/32	10
PC42G-33	3/16	3/16	10
* PC42G-51	5/16	5/32	10
PC42G-53	5/16	3/16	10
PC42G-54	5/16	1/4	10
PC42G-63	3/8	3/16	10
PC42G-64	3/8	1/4	10
PC42G-65	3/8	5/16	10
PC42G-85	1/2	5/16	10
PC42G-86	1/2	3/8	10



BULKHEAD, UNION

Part No.	Push-in	Push-in	Pkg
PC82G-11	5/32	5/32	10
PC82G-33	3/16	3/16	10
PC82G-44	1/4	1/4	10
PC82G-46	1/4	3/8	10
PC82G-55	5/16	5/16	10
PC82G-66	3/8	3/8	10
PC82G-84	1/2	1/4	10
PC82G-88	1/2	1/2	10

* Indicates NEW size

Polypropylene Fittings Available

Contact Factory

Select from:

Male Connectors
 Male Elbows
 Tee Unions
 Tube Elbow Unions
 Elbow Unions
 Union Connectors
 Reducers
 Female Adapters
 Stem Adapters

Size range:

Inch Size: 1/4" PI
 1/2" PI
 1/8 NPT to 3/8 NPT
 Metric: 6mm to 12mm

Push-in Fittings: Plastic



UNION, TUBE/TUBE

Part No.	Push-in	Pkg
PC62G-1	5/32 PI	10
PC62G-3	3/16 PI	10
PC62G-4	1/4 PI	10
PC62G-5	5/16 PI	10
PC62G-6	3/8 PI	10
PC62G-8	1/2 PI	10



UNION, REDUCER

Part No.	Push-in	Push-in	Pkg
PC56G-43	1/4	3/16	10
PC56G-51	5/16	5/32	10
PC56G-53	5/16	3/16	10
PC56G-54	5/16	1/4	10
PC56G-63	3/8	3/16	10
PC56G-64	3/8	1/4	10
PC56G-65	3/8	5/16	10
PC56G-85	1/2	5/16	10
PC56G-86	1/2	3/8	10



ELL, STEM ADAPTOR

Part No.	Stem	Push-in	Pkg
PC44G-11	5/32	5/32	10
* PC44G-13	5/32	3/16	10
* PC44G-31	3/16	5/32	10
PC44G-33	3/16	3/16	10
PC44G-44	1/4	1/4	10
PC44G-55	5/16	5/16	10
PC44G-63	3/8	3/16	10
PC44G-64	3/8	1/4	10
PC44G-65	3/8	5/16	10
PC44G-66	3/8	3/8	10
PC44G-88	1/2	1/2	10

All Push-in fittings are for use with 95A Durometer Polyurethane, Polyethylene, or Nylon Tubing



ELL, STEM/BARB

Part No.	Stem	Barb ID	Pkg
PC49G-44	1/4	1/4	10
PC49G-45	1/4	5/16	10
PC49G-54	5/16	1/4	10
PC49G-55	5/16	5/16	10
PC49G-64	3/8	1/4	10
PC49G-65	3/8	5/16	10

* Indicates NEW size



ELL, UNION

Part No.	Push-in	Pkg
PC65G-1	5/32	10
PC65G-3	3/16	10
PC65G-4	1/4	10
PC65G-5	5/16	10
PC65G-6	3/8	10
PC65G-8	1/2	10



ELBOW

Part No.	Push-in	NPT (M)	Pkg
PC69G-42	1/4	1/8	10
PC69G-44	1/4	1/4	10
PC69G-46	1/4	3/8	10
PC69G-64	3/8	1/4	10
PC69G-66	3/8	3/8	10



ELL, UNION REDUCER

Part No.	Push-in	Push-in	Pkg
PC65GR-51	5/16	5/32	10
PC65GR-53	5/16	3/16	10
PC65GR-54	5/16	1/4	10
PC65GR-63	3/8	3/16	10
PC65GR-64	3/8	1/4	10
PC65GR-65	3/8	5/16	10
PC65GR-86	1/2	3/8	10



TEE, UNION

Part No.	Push-in	Pkg
PC64G-1	5/32	10
PC64G-3	3/16	10
PC64G-4	1/4	10
PC64G-5	5/16	10
PC64G-6	3/8	10
PC64G-8	1/2	10



TEE, UNION REDUCER

Part No.	Push-in	Push-in	Pkg
PC64GR-64	3/8	1/4	10
PC64GR-86	1/2	3/8	10

Polypropylene Fittings Available

Contact Factory

Select from:

Male Connectors
 Male Elbows
 Tee Unions
 Tube Elbow Unions
 Elbow Unions
 Union Connectors
 Reducers
 Female Adapters
 Stem Adapters

Size range:

Inch Size: 1/4" PI
 1/2" PI
 1/8 NPT to 3/8 NPT
 Metric: 6mm to 12mm

All Push-in fittings are for use with 95A Durometer Polyurethane, Polyethylene, or Nylon Tubing



DIVIDER 2-WAY

Part No.	Push-in	Pkg
* PC45G-111	5/32	10
* PC45G-444	1/4	10
PC45G-555	5/16	10
PC45G-666	3/8	10
PC46G-655	3/8x5/16x5/16	10
* PC45G-888	1/2	10



CROSS

Part No.	Push-in	Pkg
* PC102G-1	5/32	10
* PC102G-4	1/4	10
* PC102G-5	5/16	10
PC102G-6	3/8	10
* PC102G-8	1/2	10



DIVIDER 3-WAY

Part No.	Push-in	Pkg
* PC91G-6444	3/8 x 1/4	10
PC91G-8666	1/2 x 3/8	10

* Indicates NEW size

**NSF
Certified Valves**

Now Available

Shut Off Valves (page 8)

NPT and Push-In Connectors
NEW SIZE: 1/2 inch

Check Valves (page 15)

Three NEW sizes
Push-In Connectors

Plastic Needle Valves (page 22)

Inline or Right Angle
NPT and Push-In Connectors

Plastic Valves Available in Metric Sizes
-contact factory



ELBOW, SWIVEL

Part No.	OD	NPTF	Pkg
* PC69GS-12	5/32	1/8	10
* PC69GS-14	5/32	1/4	10
* PC69GS-32	3/16	1/8	10
* PC69GS-42	1/4	1/8	10
* PC69GS-44	1/4	1/4	10
* PC69GS-52	5/16	1/8	10
* PC69GS-54	5/16	1/4	10
* PC69GS-56	5/16	3/8	10
* PC69GS-64	3/8	1/4	10
* PC69GS-66	3/8	3/8	10
* PC69GS-86	1/2	3/8	10
* PC69GS-88	1/2	1/2	10



TEE, RUN SWIVEL

Part No.	OD	NPTF	Pkg
* PC71GS-12	5/32	1/8	10
* PC71GS-14	5/32	1/4	10
* PC71GS-32	3/16	1/8	10
* PC71GS-42	1/4	1/8	10
* PC71GS-44	1/4	1/4	10
* PC71GS-52	5/16	1/8	10
* PC71GS-54	5/16	1/4	10
* PC71GS-56	5/16	3/8	10
* PC71GS-64	3/8	1/4	10
* PC71GS-66	3/8	3/8	10
* PC71GS-86	1/2	3/8	10
* PC71GS-88	1/2	1/2	10



TEE, BRANCH SWIVEL

Part No.	OD	NPTF	Pkg
* PC72GS-12	5/32	1/8	10
* PC72GS-14	5/32	1/4	10
* PC72GS-32	3/16	1/8	10
* PC72GS-42	1/4	1/8	10
* PC72GS-44	1/4	1/4	10
* PC72GS-52	5/16	1/8	10
* PC72GS-54	5/16	1/4	10
* PC72GS-56	5/16	3/8	10
* PC72GS-64	3/8	1/4	10
* PC72GS-66	3/8	3/8	10
* PC72GS-86	1/2	3/8	10
* PC72GS-88	1/2	1/2	10

* Indicates NEW size

Adaptability

Standard *Push-in fittings* can be coupled with *standard stem connectors* to form swivel fittings

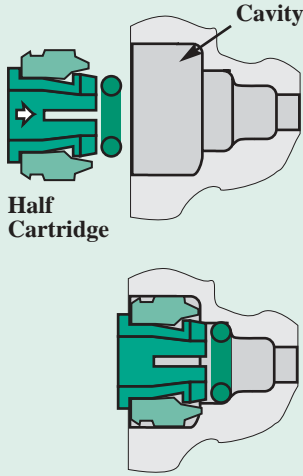


(package quantities apply)

All Push-in fittings are for use with 95A Durometer Polyurethane, Polyethylene, or Nylon Tubing

**Half Cartridge
Cavity**

PC61G-*



■ Low profile installation

■ OEM installation-cartridge can be built into customers product

Contact factory for cavity dimensions



PLUG

Part No.	OD	Pkg
PC59G-1	5/32	10
PC59G-3	3/16	10
PC59G-4	1/4	10
PC59G-5	5/16	10
PC59G-6	3/8	10
PC59G-8	1/2	10



CARTRIDGE, HALF

Part No.	Push-in	Pkg
* PC61G-1	5/32	100
* PC61G-3	3/16	100
* PC61G-4	1/4	100
* PC61G-5	5/16	100
* PC61G-6	3/8	100
* PC61G-8	1/2	100



CARTRIDGE, HALF SS

Part No.	Push-in	Pkg
* PC61G-1SS	5/32	100
* PC61G-3SS	3/16	100
* PC61G-4SS	1/4	100
* PC61G-5SS	5/16	100
* PC61G-6SS	3/8	100
* PC61G-8SS	1/2	100



TUBE SUPPORT

Part No.	ID Tube	Pkg
PC63G-4	1/4	10
PC63G-5	5/16	10
PC63G-6	3/8	10

* Indicates NEW size



COLLET COVER

Part No.	Tube OD	Pkg
PC43G-1	5/32	10
PC43G-3	3/16	10
PC43G-4	1/4	10
PC43G-5	5/16	10
PC43G-6	3/8	10
PC43G-8	1/2	10



CAP TUBE (END STOP)

Part No.	Push-in	Pkg
PC92G-4	1/4	10
* PC92G-5	5/16	10
* PC92G-6	3/8	10
* PC92G-8	1/2	10



TUBE CORNERS

Part No.	OD Tube	Pkg
PC48G-5	5/16	10
PC48G-6	3/8	10



CLIP (PLASTIC)

Part No.	Description	Pkg
PC111G-4	LOCKING 1/4	10
* PC111G-5	LOCKING 5/16	10
* PC111G-6	LOCKING 3/8	10
* PC111G-8	LOCKING 1/2	10

* Indicates NEW size

Plastic Accessories

Polyconn offers a variety of Plastic Accessories for use with Plastic fittings.

Collet Covers and Clips are available in a variety of colors ideal for color coding- contact factory.

Tube corners guide and align tubing and help prevent kinks in the tubing.

All Push-in fittings are for use with 95A Durometer Polyurethane, Polyethylene, or Nylon Tubing



**Polypropylene
Fittings
Available**

Contact Factory

Select from:

Male Connectors, Male Elbows,
Tee, Unions, Tube Elbow
Unions, Elbow,
Unions, Union Connectors,
Reducers, Female Adapters,
Stem Adapters

Size range:

Inch Size: 1/4" PI to 1/2" PI
1/8 NPT to 3/8 NPT
Metric: 6mm to 12mm

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