

# POLY CONN<sup>®</sup>

Master *W*AIRhouse<sup>®</sup>  
*Fluid Power Products*

## COMPOSITE PUSH TO CONNECT FITTINGS



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### QUESTIONS

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# Features and Specifications

## Composite Push to Connect Fittings

Polyconn® now has a full range of custom designed composite push-in fitting solutions for you to choose from. They can be used in a variety of applications such as industrial, robotics, machinery, mobile and instrumentation. Polyconn® CB Composite fittings, offer a way to connect tubing quickly and easily with no need for tools. Polyconn® offers a broad range of composite push-in pneumatic fittings in inch and metric sizes to compliment our established nickel plated brass push-in fittings.

Polyconn's® CB composite fittings use a stainless-steel gripping-ring to grip nylon, 95 durometer polyurethane and polyethylene tubing. The nickel plated brass components on the fittings help to provide corrosion resistance and assist in prolonging the life of the fitting. All of the tapered threads come with pre-applied thread sealant and our parallel threads come with a recessed captive o-ring.

The advanced design of the Polyconn® push-in fitting places more gripper teeth in the fitting that are independent of the collet. This superior method allows the collet to guide and center the tubing into the fitting teeth on connection. When the need arises to disconnect, simply depress the collet which slides down and pushes the teeth entirely out of the way, disengaging the tubing completely.

## FEATURES

- Collet detents fully retracting gripper teeth.
- An oval collet makes it easier to disengage tubing.
- Custom colored collets available upon request.
- Body material nickel plated brass and black PBT (Polybutylene).
- Locking ring stainless steel.
- O-ring NBR
- Working pressure 150 PSI.
- Pre-applied thread sealant.
- Black collets for inch style.

## USES

- Industrial
- Robotics
- Machinery
- Mobile
- Instrumentation

### SPECIFICATIONS

PRODUCT	TEMPERATURE RANGE	PRESSURE RANGE	VACCUUM RATING
Composite Fittings	32°F - 140°F (0°C - 60°C)	0 - 150 PSI	To -29.5" Hg

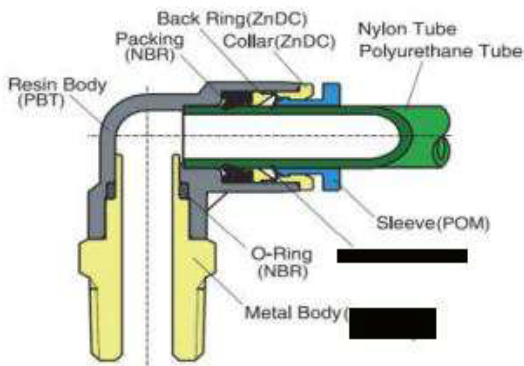


Figure 1.3 Diagram of Thread Fittings

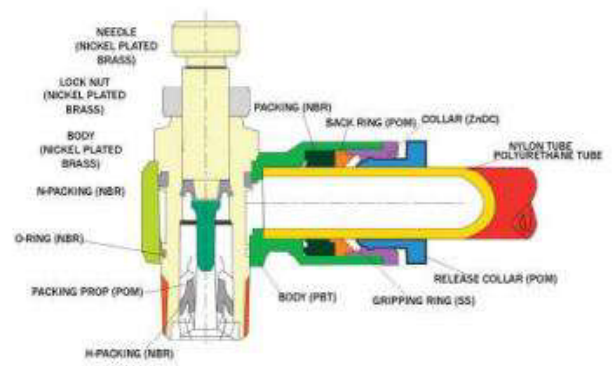


Figure 1.4 Diagram of Flow Controller

### ELBOW STEM TO TUBE



Part #	Push-In	Stem	List Price	QTY	Pkg. Price
PC44CB-11	5/32"	5/32"	\$ 2.46	5	\$ 12.31
PC44CB-44	1/4"	1/4"	\$ 2.60	5	\$ 13.02
PC44CB-55	5/16"	5/16"	\$ 2.89	5	\$ 14.45
PC44CB-66	3/8"	3/8"	\$ 3.46	5	\$ 17.29
PC44CB-88	1/2"	1/2"	\$ 3.88	5	\$ 19.42

### MALE Y



Part #	Push-In	NPT M	List Price	QTY	Pkg. Price
PC47CB-10	5/32"	10-32 UNF	\$ 2.03	5	\$ 10.16
PC47CB-12	5/32"	1/8"	\$ 2.13	5	\$ 10.63
PC47CB-14	5/32"	1/4"	\$ 2.13	5	\$ 10.63
PC47CB-22	1/8"	1/8"	\$ 2.04	5	\$ 10.18
PC47CB-40	1/4"	10-32 UNF	\$ 2.51	5	\$ 12.53
PC47CB-42	1/4"	1/8"	\$ 2.40	5	\$ 11.98
PC47CB-44	1/4"	1/4"	\$ 2.51	5	\$ 12.53
PC47CB-46	1/4"	3/8"	\$ 2.67	5	\$ 13.36
PC47CB-52	5/16"	1/8"	\$ 3.00	5	\$ 14.99
PC47CB-54	5/16"	1/4"	\$ 3.16	5	\$ 15.80
PC47CB-56	5/16"	3/8"	\$ 3.16	5	\$ 15.80
PC47CB-62	3/8"	1/8"	\$ 2.51	5	\$ 12.53
PC47CB-64	3/8"	1/4"	\$ 2.51	5	\$ 12.53
PC47CB-66	3/8"	3/8"	\$ 3.11	5	\$ 12.53
PC47CB-68	3/8"	1/2"	\$ 6.92	5	\$ 34.61
PC47CB-84	1/2"	1/4"	\$ 3.98	5	\$ 19.89
PC47CB-86	1/2"	3/8"	\$ 3.98	5	\$ 19.89
PC47CB-88	1/2"	1/2"	\$ 4.25	5	\$ 21.24

### UNION Y



Part #	Push-In	List Price	QTY	Pkg. Price
PC45CB-1	5/32"	\$ 1.26	5	\$ 6.28
PC45CB-2	1/8"	\$ 2.71	5	\$ 13.53
PC45CB-4	1/4"	\$ 1.26	5	\$ 6.28
PC45CB-5	5/16"	\$ 1.26	5	\$ 6.28
PC45CB-6	3/8"	\$ 1.69	5	\$ 8.45
PC45CB-8	1/2"	\$ 1.91	5	\$ 9.54

### PLUG



Part #	Push-In	List Price	QTY	Pkg. Price
PC59CB-1	5/32"	\$ 0.63	5	\$ 3.13
PC59CB-4	1/4"	\$ 0.62	5	\$ 3.08
PC59CB-5	5/16"	\$ 0.63	5	\$ 3.13
PC59CB-6	3/8"	\$ 0.95	5	\$ 4.74
PC59CB-8	1/2"	\$ 1.18	5	\$ 5.92



Part #	PI A	PI B	List Price	QTY	Pkg. Price
PC45CB-411	1/4"	5/32"	\$ 1.94	5	\$ 9.71

### UNION TUBE



Part #	Push-In	List Price	QTY	Pkg. Price
PC62CB-1	5/32"	\$ 0.83	5	\$ 4.17
PC62CB-2	1/8"	\$ 0.94	5	\$ 4.69
PC62CB-4	1/4"	\$ 0.99	5	\$ 4.95
PC62CB-5	5/16"	\$ 1.04	5	\$ 5.21
PC62CB-6	3/8"	\$ 1.26	5	\$ 6.28
PC62CB-8	1/2"	\$ 1.46	5	\$ 7.29

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### UNION TUBE REDUCER



Part #	PI-A	PI-B	List Price	QTY	Pkg. Price
PC62CBR-41	1/4"	5/32"	\$ 2.46	5	\$ 12.31
PC62CBR-42	1/4"	1/8"	\$ 2.60	5	\$ 13.02
PC62CBR-54	5/16"	1/4"	\$ 2.89	5	\$ 14.45
PC62CBR-64	3/8"	1/4"	\$ 3.46	5	\$ 17.29
PC62CBR-65	3/8"	3/16"	\$ 3.88	5	\$ 19.42
PC62CBR-86	1/2"	3/8"	\$ 3.88	5	\$ 19.42

### UNION TUBE TEE



Part #	Push-In	List Price	QTY	Pkg. Price
PC64CB-1	5/32"	\$ 2.46	5	\$ 12.31
PC64CB-2	1/8"	\$ 2.60	5	\$ 13.02
PC64CB-4	1/4"	\$ 2.89	5	\$ 14.45
PC64CB-5	5/16"	\$ 3.46	5	\$ 17.29
PC64CB-6	3/8"	\$ 3.88	5	\$ 19.42
PC64CB-8	1/2"	\$ 3.88	5	\$ 19.42

### UNION TEE REDUCER



Part #	PI-A	PI-B	List Price	QTY	Pkg. Price
PC64CBR-14	5/32"	1/4"	\$ 2.02	5	\$ 10.09
PC64CBR-41	1/4"	5/32"	\$ 1.61	5	\$ 8.05
PC64CBR-46	1/4"	3/8"	\$ 1.74	5	\$ 8.71
PC64CBR-54	5/16"	1/4"	\$ 1.61	5	\$ 8.05
PC64CBR-64	3/8"	1/4"	\$ 2.32	5	\$ 11.60
PC64CBR-65	3/8"	5/16"	\$ 2.08	5	\$ 10.42
PC64CBR-86	1/2"	3/8"	\$ 2.60	5	\$ 13.02

### ELBOW UNION



Part #	Push-In	List Price	QTY	Pkg. Price
PC65CB-1	5/32"	\$ 0.83	5	\$ 4.17
PC65CB-2	1/8"	\$ 0.93	5	\$ 4.64
PC65CB-4	1/4"	\$ 0.94	5	\$ 4.69
PC65CB-5	5/16"	\$ 1.09	5	\$ 5.47
PC65CB-6	3/8"	\$ 1.30	5	\$ 6.51
PC65CB-8	1/2"	\$ 1.47	5	\$ 7.37

### FEMALE CONNECTOR



Part #	Push-In	NPT F	List Price	QTY	Pkg. Price
PC66CB-12	5/32"	1/8"	3/8"	5	\$ 7.55
PC66CB-14	5/32"	1/4"	\$ 1.58	5	\$ 7.91
PC66CB-20	1/8"	10-32 UNF	\$ 2.32	5	\$ 11.60
PC66CB-22	1/8"	1/8"	\$ 1.67	5	\$ 8.34
PC66CB-42	1/4"	1/8"	\$ 1.51	5	\$ 7.55
PC66CB-44	1/4"	1/4"	\$ 1.58	5	\$ 7.91
PC66CB-52	5/16"	1/8"	\$ 2.02	5	\$ 10.09
PC66CB-54	5/16"	1/4"	\$ 2.02	5	\$ 10.09
PC66CB-56	5/16"	3/8"	\$ 2.02	5	\$ 10.09
PC66CB-64	3/8"	1/4"	\$ 1.85	5	\$ 9.26
PC66CB-66	3/8"	3/8"	\$ 2.02	5	\$ 10.09
PC66CB-68	3/8"	1/2"	\$ 2.34	5	\$ 11.72
PC66CB-84	1/2"	1/4"	\$ 3.49	5	\$ 17.45
PC66CB-86	1/2"	3/8"	\$ 3.49	5	\$ 17.45

### MALE CONNECTOR



Part #	Push-In	NPT F	List Price	QTY	Pkg. Price
PC68CB-10	5/32"	10-32 UNF	\$ 0.99	5	\$ 4.95
PC68CB-12	5/32"	1/8"	\$ 0.99	5	\$ 4.95
PC68CB-14	5/32"	1/4"	\$ 1.04	5	\$ 5.19
PC68CB-20	1/8"	10-32 UNF	\$ 1.04	5	\$ 5.19
PC68CB-22	1/8"	1/8"	\$ 1.04	5	\$ 5.19
PC68CB-24	1/8"	1/4"	\$ 1.09	5	\$ 5.45
PC68CB-40	1/4"	10-32 UNF	\$ 1.09	5	\$ 5.45
PC68CB-42	1/4"	1/8"	\$ 0.99	5	\$ 4.95
PC68CB-44	1/4"	1/4"	\$ 1.04	5	\$ 5.19
PC68CB-46	1/4"	3/8"	\$ 1.69	5	\$ 8.45
PC68CB-52	5/16"	1/8"	\$ 1.20	5	\$ 5.99
PC68CB-54	5/16"	1/4"	\$ 1.30	5	\$ 6.51
PC68CB-56	5/16"	3/8"	\$ 1.67	5	\$ 8.34
PC68CB-62	3/8"	1/8"	\$ 1.63	5	\$ 8.17
PC68CB-64	3/8"	1/4"	\$ 1.80	5	\$ 9.00
PC68CB-66	3/8"	3/8"	\$ 1.93	5	\$ 9.64
PC68CB-68	3/8"	1/2"	\$ 3.13	5	\$ 15.63
PC68CB-84	1/2"	1/4"	\$ 2.87	5	\$ 14.33
PC68CB-86	1/2"	3/8"	\$ 2.87	5	\$ 14.33
PC68CB-88	1/2"	1/2"	\$ 3.13	5	\$ 15.63

### MALE COMPACT CONNECTOR



Part #	Push-In	NPT M	List Price	QTY	Pkg. Price
PC68CBC-10	5/32"	10-32 UNF	\$ 1.20	5	\$ 5.99
PC68CBC-12	5/32"	1/8"	\$ 1.20	5	\$ 5.99
PC68CBC-14	5/32"	1/4"	\$ 1.20	5	\$ 5.99
PC68CBC-20	1/8"	10-32 UNF	\$ 1.31	5	\$ 6.54
PC68CBC-22	1/8"	1/8"	\$ 1.09	5	\$ 5.45
PC68CBC-24	1/8"	1/4"	\$ 1.20	5	\$ 5.99
PC68CBC-40	1/4"	10-32 UNF	\$ 1.20	5	\$ 5.99
PC68CBC-42	1/4"	1/8"	\$ 1.20	5	\$ 5.99
PC68CBC-44	1/4"	1/4"	\$ 1.20	5	\$ 5.99
PC68CBC-46	1/4"	3/8"	\$ 1.96	5	\$ 9.80
PC68CBC-52	5/16"	1/8"	\$ 1.20	5	\$ 5.99
PC68CBC-54	5/16"	1/4"	\$ 1.20	5	\$ 5.99
PC68CBC-56	5/16"	3/8"	\$ 1.96	5	\$ 9.80
PC68CBC-64	3/8"	1/4"	\$ 2.02	5	\$ 10.09
PC68CBC-66	3/8"	3/8"	\$ 2.02	5	\$ 10.09
PC68CBC-84	1/2"	1/4"	\$ 2.87	5	\$ 14.33
PC68CBC-86	1/2"	3/8"	\$ 3.16	5	\$ 15.80
PC68CBC-88	1/2"	1/2"	\$ 3.54	5	\$ 17.71

### MALE EXTENDED ELBOW SWIVEL



Part #	Push-In	NPT M	List Price	QTY	Pkg. Price
PC69SCB-10E	5/32"	10-32 UNF	\$ 1.98	5	\$ 9.90
PC69SCB-12E	5/32"	1/8"	\$ 2.07	5	\$ 10.35
PC69SCB-14E	5/32"	1/4"	\$ 2.07	5	\$ 10.35
PC69SCB-24E	1/8"	1/4"	\$ 2.29	5	\$ 11.44
PC69SCB-40E	1/4"	10-32 UNF	\$ 1.89	5	\$ 9.47
PC69SCB-42E	1/4"	1/8"	\$ 2.29	5	\$ 11.44
PC69SCB-44E	1/4"	1/4"	\$ 2.29	5	\$ 11.44
PC69SCB-46E	1/4"	3/8"	\$ 2.50	5	\$ 12.50
PC69SCB-52E	5/16"	1/8"	\$ 2.83	5	\$ 14.16
PC69SCB-54E	5/16"	1/4"	\$ 2.94	5	\$ 14.71
PC69SCB-56E	5/16"	3/8"	\$ 2.94	5	\$ 14.71
PC69SCB-62E	3/8"	1/8"	\$ 2.56	5	\$ 12.81
PC69SCB-64E	3/8"	1/4"	\$ 2.56	5	\$ 12.81
PC69SCB-66E	3/8"	3/8"	\$ 2.67	5	\$ 13.36
PC69SCB-68E	3/8"	1/2"	\$ 3.49	5	\$ 17.43
PC69SCB-84E	1/2"	1/4"	\$ 5.23	5	\$ 26.14
PC69SCB-86E	1/2"	3/8"	\$ 5.50	5	\$ 27.52
PC69SCB-88E	1/2"	1/2"	\$ 5.83	5	\$ 29.15

### MALE ELBOW SWIVEL



Part #	Push-In	NPT M	List Price	QTY	Pkg. Price
PC69SCB-10	5/32"	10-32 UNF	\$ 1.25	5	\$ 6.25
PC69SCB-12	5/32"	1/8"	\$ 1.31	5	\$ 6.54
PC69SCB-14	5/32"	1/4"	\$ 1.31	5	\$ 6.54
PC69SCB-20	1/8"	10-32 UNF	\$ 1.30	5	\$ 6.51
PC69SCB-22	1/8"	1/8"	\$ 1.30	5	\$ 6.51
PC69SCB-24	1/8"	1/4"	\$ 1.51	5	\$ 7.55
PC69SCB-40	1/4"	10-32 UNF	\$ 1.56	5	\$ 7.1
PC69SCB-42	1/4"	1/8"	\$ 1.62	5	\$ 8.08
PC69SCB-44	1/4"	1/4"	\$ 1.62	5	\$ 8.08
PC69SCB-46	1/4"	3/8"	\$ 1.80	5	\$ 9.00
PC69SCB-52	5/16"	1/8"	\$ 1.67	5	\$ 8.34
PC69SCB-54	5/16"	1/4"	\$ 1.67	5	\$ 8.34
PC69SCB-56	5/16"	3/8"	\$ 1.93	5	\$ 9.64
PC69SCB-62	3/8"	1/8"	\$ 1.91	5	\$ 9.54
PC69SCB-64	3/8"	1/4"	\$ 1.91	5	\$ 9.54
PC69SCB-66	3/8"	3/8"	\$ 1.96	5	\$ 9.80
PC69SCB-68	3/8"	1/2"	\$ 2.40	5	\$ 11.98
PC69SCB-84	1/2"	1/4"	\$ 3.49	5	\$ 17.45
PC69SCB-86	1/2"	3/8"	\$ 3.49	5	\$ 17.45
PC69SCB-88	1/2"	1/2"	\$ 3.54	5	\$ 17.71

### FEMALE EXTENDED ELBOW SWIVEL



Part #	Push-In	NPT M	List Price	QTY	Pkg. Price
PC70SCB-12	5/32"	1/8"	\$ 1.96	5	\$ 9.80
PC70SCB-14	5/32"	1/4"	\$ 1.96	5	\$ 9.80
PC70SCB-22	1/8"	1/8"	\$ 2.18	5	\$ 10.89
PC70SCB-42	1/4"	1/8"	\$ 2.13	5	\$ 10.63
PC70SCB-44	1/4"	1/4"	\$ 2.22	5	\$ 11.08
PC70SCB-46	1/4"	3/8"	\$ 2.24	5	\$ 11.18
PC70SCB-52	5/16"	1/8"	\$ 2.78	5	\$ 13.90
PC70SCB-62	3/8"	1/8"	\$ 2.34	5	\$ 11.72
PC70SCB-64	3/8"	1/4"	\$ 2.34	5	\$ 11.72
PC70SCB-66	3/8"	3/8"	\$ 2.45	5	\$ 12.27
PC70SCB-86	1/2"	3/8"	\$ 5.23	5	\$ 26.14

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### TEE RUN SWIVEL



Part #	Push-In	NPT M	List Price	QTY	Pkg. Price
PC71SCB-10	5/32"	10-32 UNF	\$ 2.03	5	\$ 10.16
PC71SCB-12	5/32"	1/8"	\$ 2.03	5	\$ 10.16
PC71SCB-14	5/32"	1/4"	\$ 2.03	5	\$ 10.16
PC71SCB-20	1/8"	10-32 UNF	\$ 2.13	5	\$ 10.63
PC71SCB-22	1/8"	1/8"	\$ 2.34	5	\$ 11.72
PC71SCB-40	1/4"	10-32 UNF	\$ 2.40	5	\$ 11.98
PC71SCB-42	1/4"	1/8"	\$ 2.29	5	\$ 11.46
PC71SCB-44	1/4"	1/4"	\$ 2.29	5	\$ 11.46
PC71SCB-46	1/4"	3/8"	\$ 2.92	5	\$ 14.59
PC71SCB-52	5/16"	1/8"	\$ 2.97	5	\$ 14.85
PC71SCB-54	5/16"	1/4"	\$ 3.02	5	\$ 15.11
PC71SCB-56	5/16"	3/8"	\$ 3.16	5	\$ 15.80
PC71SCB-62	3/8"	1/8"	\$ 2.40	5	\$ 11.98
PC71SCB-64	3/8"	1/4"	\$ 2.40	5	\$ 11.98
PC71SCB-66	3/8"	3/8"	\$ 2.97	5	\$ 14.85
PC71SCB-68	3/8"	1/2"	\$ 3.81	5	\$ 19.06
PC71SCB-84	1/2"	1/4"	\$ 3.80	5	\$ 19.02
PC71SCB-86	1/2"	3/8"	\$ 3.98	5	\$ 19.89
PC71SCB-88	1/2"	1/2"	\$ 4.25	5	\$ 21.24

### THE BRANCH SWIVEL



Part #	Push-In	NPT M	List Price	QTY	Pkg. Price
PC72SCB-10	5/32"	10-32 UNF	\$ 2.03	5	\$ 10.16
PC72SCB-12	5/32"	1/8"	\$ 2.03	5	\$ 10.16
PC72SCB-14	5/32"	1/4"	\$ 2.13	5	\$ 10.63
PC72SCB-20	1/8"	10-32 UNF	\$ 2.13	5	\$ 10.63
PC72SCB-22	1/8"	1/8"	\$ 1.98	5	\$ 9.90
PC72SCB-24	1/8"	1/4"	\$ 2.24	5	\$ 11.20
PC72SCB-40	1/4"	10-32 UNF	\$ 2.29	5	\$ 11.46
PC72SCB-42	1/4"	1/8"	\$ 2.40	5	\$ 11.98
PC72SCB-44	1/4"	1/4"	\$ 2.55	5	\$ 12.76
PC72SCB-46	1/4"	3/8"	\$ 2.55	5	\$ 12.76
PC72SCB-52	5/16"	1/8"	\$ 3.11	5	\$ 15.53
PC72SCB-54	5/16"	1/4"	\$ 3.16	5	\$ 15.80
PC72SCB-56	5/16"	3/8"	\$ 3.16	5	\$ 15.80
PC72SCB-62	3/8"	1/8"	\$ 2.51	5	\$ 12.53
PC72SCB-64	3/8"	1/4"	\$ 2.51	5	\$ 12.53
PC72SCB-66	3/8"	3/8"	\$ 2.97	5	\$ 14.85
PC72SCB-68	3/8"	1/2"	\$ 3.81	5	\$ 19.06
PC72SCB-84	1/2"	1/4"	\$ 3.80	5	\$ 19.02
PC72SCB-86	1/2"	3/8"	\$ 3.80	5	\$ 19.02
PC72SCB-88	1/2"	1/2"	\$ 4.06	5	\$ 20.32

### UNION BRANCH 3 PORT MANIFOLD



Part #	Push-In	List Price	QTY	Pkg. Price
PC73CB-1	5/32"	\$ 3.43	5	\$ 17.17
PC73CB-5	5/16"	\$ 3.65	5	\$ 18.23
PC73CB-6	3/8"	\$ 4.74	5	\$ 23.71

### UNION BRANCH 3 PORT MANIFOLD REDUCER



Part #	PI A	PI B	List Price	QTY	Pkg. Price
PC73CBR-41	1/4"	5/32"	\$ 3.22	5	\$ 16.10

### BULKHEAD UNION



Part #	Push-In	List Price	QTY	Pkg. Price
PC82CB-11	5/32"	\$ 2.83	5	\$ 14.16
PC82CB-22	1/8"	\$ 2.71	5	\$ 13.55
PC82CB-44	1/4"	\$ 2.87	5	\$ 14.33
PC82CB-55	5/16"	\$ 4.14	5	\$ 20.70
PC82CB-66	3/8"	\$ 4.90	5	\$ 24.49
PC82CB-88	1/2"	\$ 5.63	5	\$ 28.13

### FEMALE BULKHEAD



Part #	Push-In	NPT F	List Price	QTY	Pkg. Price
PC86CB-12	5/32"	1/8"	\$ 2.42	5	\$ 12.08
PC86CB-14	5/32"	1/4"	\$ 3.41	5	\$ 17.05
PC86CB-42	1/4"	1/8"	\$ 2.79	5	\$ 13.97
PC86CB-44	1/4"	1/4"	\$ 3.08	5	\$ 15.39
PC86CB-46	1/4"	3/8"	\$ 4.12	5	\$ 20.60
PC86CB-66	3/8"	3/8"	\$ 6.35	5	\$ 31.73
PC86CB-68	3/8"	1/2"	\$ 6.68	5	\$ 33.39

### ELBOW BULKHEAD



Part #	Push-In	List Price	QTY	Pkg. Price
PC89SCB-11	5/32"	\$ 4.80	5	\$ 24.01
PC89SCB-44	1/4"	\$ 5.91	5	\$ 29.53
PC89SCB-55	5/16"	\$ 5.68	5	\$ 28.42
PC89SCB-66	3/8"	\$ 8.45	5	\$ 42.27

### RIGHT ANGLE FLOW CONTROL



Part #	Push-In	NPT M	List Price	QTY	Pkg. Price
PCSC2-12CBR	5/32"	1/8"	\$ 4.96	5	\$ 24.79
PCSC2-14CBR	5/32"	1/4"	\$ 4.96	5	\$ 24.79
PCSC2-42CBR	1/4"	1/8"	\$ 4.74	5	\$ 23.71
PCSC2-44CBR	1/4"	1/4"	\$ 4.96	5	\$ 24.79
PCSC2-52CBR	5/16"	1/8"	\$ 5.18	5	\$ 25.88
PCSC2-54CBR	5/16"	1/4"	\$ 5.18	5	\$ 25.88
PCSC2-62CBR	3/8"	1/8"	\$ 5.56	5	\$ 27.78
PCSC2-64CBR	3/8"	1/4"	\$ 5.37	5	\$ 26.83
PCSC2-66CBR	3/8"	3/8"	\$ 7.30	5	\$ 36.49
PCSC2-86CBR	1/2"	3/8"	\$ 7.76	5	\$ 38.81
PCSC2-88CBR	1/2"	1/2"	\$ 9.80	5	\$ 49.02

Metered Out

### STEM REDUCER



Part #	Stem	Push-In	List Price	QTY	Pkg. Price
PC97CB-41	1/4"	5/32"	\$ 1.58	5	\$ 7.91
PC97CB-42	1/4"	1/8"	\$ 1.52	5	\$ 7.58
PC97CB-54	5/16"	1/4"	\$ 1.56	5	\$ 7.81
PC97CB-64	3/8"	1/4"	\$ 2.34	5	\$ 11.72
PC97CB-65	3/8"	5/16"	\$ 1.91	5	\$ 9.54
PC97CB-86	1/2"	3/8"	\$ 2.34	5	\$ 11.72

### UNION CROSS

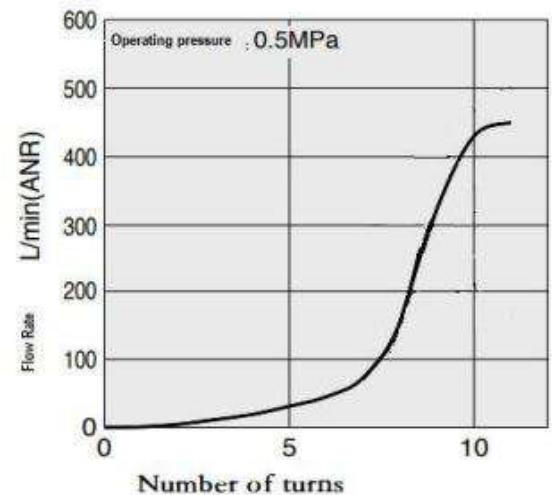


Part #	Push-In	List Price	QTY	Pkg. Price
PC102CB-1	5/32"	\$ 2.02	5	\$ 10.09
PC102CB-2	1/8"	\$ 2.24	5	\$ 11.18
PC102CB-4	1/4"	\$ 2.51	5	\$ 12.53
PC102CB-5	5/16"	\$ 2.61	5	\$ 13.07
PC102CB-6	3/8"	\$ 2.94	5	\$ 14.71
PC102CB-8	1/2"	\$ 3.38	5	\$ 16.88

### INLINE FLOW CONTROL



Part #	Push-In	List Price	QTY	Pkg. Price
PCSC-1CB	5/32"	\$ 5.94	5	\$ 29.70
PCSC-2CB	1/8"	\$ 6.86	5	\$ 34.31
PCSC-4CB	1/4"	\$ 6.10	5	\$ 30.48
PCSC-5CB	5/16"	\$ 6.75	5	\$ 33.77
PCSC-6CB	3/8"	\$ 9.17	5	\$ 45.85
PCSC-8CB	1/2"	\$ 10.57	5	\$ 52.83



# Features and Specifications Composite Transition Fittings

The transition fittings will connect your inch tube to a metric thread. These fittings have a BSPT, BSPP and NPT threads. They can be used in a variety of applications such as industrial, robotics, machinery, mobile and instrumentation. Polyconn's CB composite fittings use a stainless-steel gripping-ring to grip nylon, 95 durometer polyurethane and polyethylene tubing. The nickel plated brass components on the fittings help to provide corrosion resistance and assist in prolonging the life of the fitting. All of the tapered threads come with pre-applied thread sealant and our parallel threads come with a recessed captive o-ring.

The advanced design of the Polyconn push-in fitting places more gripper teeth in the fitting that are independent of the collet. This superior method allows the collet to guide and center the tubing into the fitting teeth on connection. When the need arises to disconnect, simply depress the collet which slides down and pushes the teeth entirely out of the way, disengaging the tubing completely.

## FEATURES

- Collet detents fully retracting gripper teeth.
- An oval collet makes it easier to disengage tubing.
- Custom colored collets available upon request.
- Body material nickel plated brass and black PBT (Polybutylene).
- Locking ring stainless steel.
- O-ring NBR
- Working pressure 150 PSI.
- Pre-applied thread sealant.

## USES

- Industrial
- Robotics
- Machinery
- Mobile
- Instrumentation

### SPECIFICATIONS

PRODUCT	TEMPERATURE RANGE	PRESSURE RANGE	VACCUUM RATING
Composite Fittings	32°F - 140°F (0°C - 60°C)	0 - 150 PSI	To -29.5" Hg

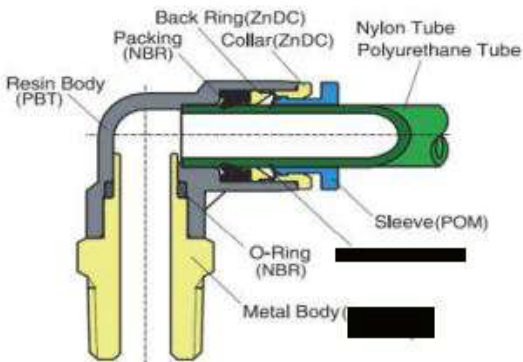


Figure 1.3 Diagram of Thread Fittings

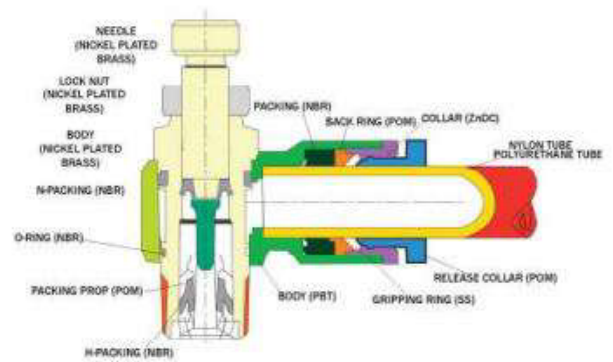


Figure 1.4 Diagram of Flow Controller



**MALE CONNECTOR MM × NPT**



Part #	Push-In	NPT	List Price	QTY	Pkg. Price
PC68CBT-42	4 MM	1/8"	\$ 1.09	5	\$ 5.47
PC68CBT-44	4 MM	1/4"	\$ 1.14	5	\$ 5.71
PC68CBT-62	6 MM	1/8"	\$ 1.09	5	\$ 5.47
PC68CBT-64	6 MM	1/4"	\$ 1.15	5	\$ 5.73
PC68CBT-66	6 MM	3/8"	\$ 1.85	5	\$ 9.26
PC68CBT-82	8 MM	1/8"	\$ 1.25	5	\$ 6.25
PC68CBT-84	8 MM	1/4"	\$ 1.46	5	\$ 7.29
PC68CBT-86	8 MM	3/8"	\$ 1.82	5	\$ 9.12
PC68CBT-102	10 MM	1/8"	\$ 1.91	5	\$ 9.54
PC68CBT-104	10 MM	1/4"	\$ 1.88	5	\$ 9.38
PC68CBT-106	10 MM	3/8"	\$ 2.24	5	\$ 11.18

**MALE CONNECTOR INCH × BSPP**



Part #	Push-In	BSPP	List Price	QTY	Pkg. Price
PC68CBT-12G	5/32"	1/8"	\$ 1.31	5	\$ 6.54
PC68CBT-14G	5/32"	1/4"	\$ 2.02	5	\$ 10.09
PC68CBT-42G	1/4"	1/8"	\$ 1.58	5	\$ 7.91
PC68CBT-44G	1/4"	1/4"	\$ 2.13	5	\$ 10.63
PC68CBT-46G	1/4"	3/8"	\$ 2.83	5	\$ 14.16
PC68CBT-64G	3/8"	1/4"	\$ 2.94	5	\$ 14.71
PC68CBT-66G	3/8"	3/8"	\$ 2.94	5	\$ 14.71
PC68CBT-86G	1/2"	3/8"	\$ 4.25	5	\$ 21.24

**MALE CONNECTOR INCH × BSPT**



Part #	Push-In	BSPT	List Price	QTY	Pkg. Price
PC68CBT-22R	1/8"	1/8"	\$ 1.15	5	\$ 5.73
PC68CBT-24R	1/8"	1/4"	\$ 1.20	5	\$ 5.99
PC68CBT-42R	1/4"	1/8"	\$ 1.30	5	\$ 6.51
PC68CBT-44R	1/4"	1/4"	\$ 1.72	5	\$ 8.60
PC68CBT-46R	1/4"	3/8"	\$ 2.40	5	\$ 11.98
PC68CBT-62R	3/8"	1/8"	\$ 2.34	5	\$ 11.72
PC68CBT-64R	3/8"	1/4"	\$ 2.56	5	\$ 12.81
PC68CBT-66R	3/8"	3/8"	\$ 2.56	5	\$ 12.81

**MALE ELBOW SWIVEL MM × NPT**



Part #	Push-In	NPT	List Price	QTY	Pkg. Price
PC69SCBT-42	4 MM	1/8"	\$ 1.46	5	\$ 7.29
PC69SCBT-44	4 MM	1/4"	\$ 1.53	5	\$ 7.63
PC69SCBT-62	6 MM	1/8"	\$ 1.51	5	\$ 7.55
PC69SCBT-64	6 MM	1/4"	\$ 1.77	5	\$ 8.86
PC69SCBT-66	6 MM	3/8"	\$ 1.96	5	\$ 9.80
PC69SCBT-82	8 MM	1/8"	\$ 1.82	5	\$ 9.12
PC69SCBT-84	8 MM	1/4"	\$ 1.91	5	\$ 9.54
PC69SCBT-86	8 MM	3/8"	\$ 2.24	5	\$ 11.18
PC69SCBT-102	10 MM	1/8"	\$ 2.13	5	\$ 10.63
PC69SCBT-104	10 MM	1/4"	\$ 2.03	5	\$ 10.16
PC69SCBT-106	10 MM	3/8"	\$ 2.18	5	\$ 10.89

**MALE ELBOW SWIVEL INCH × BSPP**



Part #	Push-In	BSPP	List Price	QTY	Pkg. Price
PC69SCBT-12G	5/32"	1/8"	\$ 1.69	5	\$ 8.45
PC69SCBT-14G	5/32"	1/4"	\$ 2.34	5	\$ 11.72
PC69SCBT-42G	1/4"	1/8"	\$ 1.96	5	\$ 9.80
PC69SCBT-44G	1/4"	1/4"	\$ 2.67	5	\$ 13.36
PC69SCBT-46G	1/4"	3/8"	\$ 3.32	5	\$ 16.62
PC69SCBT-64G	3/8"	1/4"	\$ 4.14	5	\$ 20.70
PC69SCBT-66G	3/8"	3/8"	\$ 4.14	5	\$ 20.70
PC69SCBT-86G	1/2"	3/8"	\$ 5.77	5	\$ 28.87

**MALE CONNECTOR INCH × BSPT**



Part #	Push-In	BSPT	List Price	QTY	Pkg. Price
PC69SCBT-22R	1/8"	1/8"	\$ 1.47	5	\$ 7.37
PC69SCBT-24R	1/8"	1/4"	\$ 2.02	5	\$ 10.09
PC69SCBT-42R	1/4"	1/8"	\$ 1.69	5	\$ 8.45
PC69SCBT-46R	1/4"	3/8"	\$ 2.89	5	\$ 14.45
PC69SCBT-62R	3/8"	1/8"	\$ 3.49	5	\$ 17.43
PC69SCBT-64R	3/8"	1/4"	\$ 3.59	5	\$ 17.97
PC69SCBT-66R	3/8"	3/8"	\$ 3.59	5	\$ 17.97

**TRANSITION FEMALE BULKHEAD MM × NPT**



Part #	Push-In	NPT	List Price	QTY	Pkg. Price
PC86CBT-104	10 MM	1/4"	\$ 8.06	5	\$ 40.31

Now that you have your fittings don't forget your tubing!

Polyconn offers Push to Connect fittings in many different materials!



Polyconn carries  
Polyurethane, Nylon,  
Polyethylene and many  
more materials to choose  
from!

Available Materials:  
Composite  
Plastic  
Nickel Plated Brass  
Stainless Steel  
D.O.T. Brass

**Polyconn®** the one-stop shop for your  
pneumatic needs.