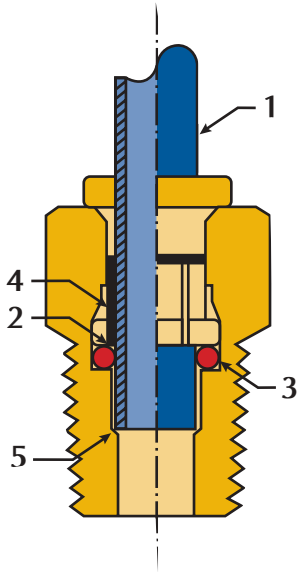




BRASS FITTINGS  
MANIFOLDS  
FLOW CONTROLS,  
NEEDLE & CHECK  
VALVES  
PLASTIC TUBING  
BRASS PIPE FITTINGS

## HOW TO USE THE ALKON PUSH-IN FITTING



When tubing (1) is inserted into the fitting, it first passes through the gripping teeth (2). Just beyond the gripping teeth is the O-ring (3) which provides the leak proof seal against the O.D. of the tube. The gripping teeth grab the tube, which expands the insert. Pulling back on the tube only tightens the grip as the insert moves onto the camming surface (4). Pressure through the tube also serves to tighten the grip. The tube bottoms against a positive tube stop (5) in a cavity providing tube support to prevent leakage.



### TO CONNECT TUBE:

Cut plastic as squarely as possible. Insert tube into fitting until friction is felt as tube slides past the O-ring. Using a slight twisting motion while inserting the tube is often helpful. After this initial friction is felt, continue to push in the tube until it bottoms firmly against the internal tube stop.



### TO DISCONNECT TUBE:

With thumb and forefinger, hold down the top of the insert against the fitting body and then, with the other hand, pull out the tubing. No tools are needed.

### ENGINEERING AND DESIGN FEATURES

- **QUICK CONNECT**, simply push tubing in, no tools. Saves up to 75% of assembly time of standard compression fittings.
- **QUICK DISCONNECT**, Hold two fingers on insert and pull tubing out, no tools required.
- **REUSABLE**, connect and disconnect numerous times.
- **FULL FLOW DESIGN**, provides up to 60% more flow area than conventional fittings with internal tube supports.
- **POSITIVE SEAL**, no leaks. After tubing is inserted, seal is made.
- **VERSATILE**. Buna-N 'O' rings standard. Other materials of 'O' rings available.
- **SECURE TUBE RETENTION**. Pulling on tubing only serves to tighten the connection.
- **SELF CONTAINED ASSEMBLY**, no loose parts, brass body and insert.
- **FULL LINE** of styles and sizes.
- **BRASS CONSTRUCTION**. Elbows and tees are forged brass.
- **CHOICE** of convenient swivel or economical stationary elbows and tees.
- **PRE-APPLIED TEFLON<sup>®</sup>** based pipe sealant on all male pipe threads, saving customer additional labor.
- **METRIC SIZES AVAILABLE**: Metric tube sized from 2mm through 12mm in both standard NPT and metric pipe sizes are available on a special order basis.
- **WORKING PRESSURE**: The fitting is suitable for use up to the maximum working pressure of the plastic tubing used.
- **WORKING TEMPERATURE**: -10F to 200F (other ranges available upon request).
- **PIPE THREAD**: NPTF with Teflon<sup>®</sup> based sealant pre-applied.
- **CAD DATA** available upon request in .DWG and .DXF formats.

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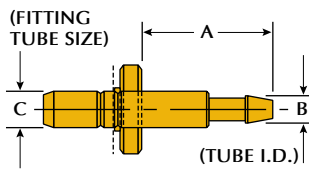
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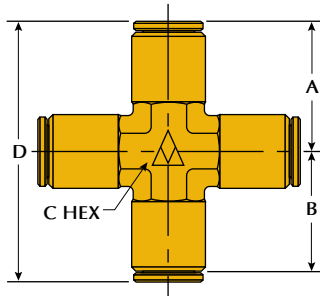
# PUSH-IN TUBE FITTINGS

## AQ34/32 BARB ADAPTER (For polyurethane or other soft plastic tubing)



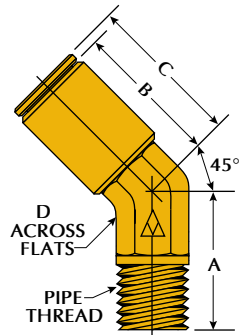
PART NUMBER	A	B	C
AQ34-B-1	.50	.09	.250
AQ34-B-2	.50	.20	.250
AQ32-B-1	.23	.09	.125

## AQ52-P UNION CROSS



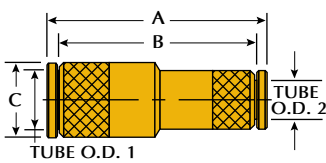
PART NUMBER	TUBE O.D.	A	B	C
AQ52-P-2	1/8	.73	.65	5/16
AQ52-P-5/32	5/32	.76	.68	5/16
AQ52-P-4	1/4	1.03	.95	3/8
AQ52-P-6	3/8	1.06	.98	1/2
AQ52-P-8	1/2	1.23	1.15	5/8

## AQ54-P 45 MALE ELBOW



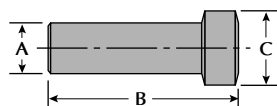
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AQ54-P-4x2	1/4	1/8	1.327	.886	.965	7/16
AQ54-P-4x4	1/4	1/4	1.524	.886	.965	9/16
AQ54-P-6x4	3/8	1/4	1.327	.886	.965	7/16
AQ54-P-6x6	3/8	3/8				
AQ54-P-8x4	1/2	1/4	1.721	1.122	1.201	5/8
AQ54-P-8x6	1/2	3/8				
AQ54-P-8x8	1/2	1/2				

## AQ56-P TUBE TO TUBE UNION REDUCER



PART NUMBER	TUBE O.D.-1	TUBE O.D.-2	A	B	C
AQ56-P-6x4	3/8	1/4	1.62	1.46	9/16

## AQ59-P PLUG



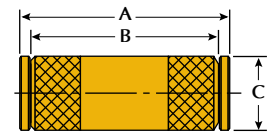
PART NUMBER	A PUSH-IN O.D.	B LENGTH	C
AQ59-P-2	.13	1.12	.35
AQ59-P-5/32	.16	1.16	.32
AQ59-P-4	.25	1.40	.43
AQ59-P-6	.38	1.40	.55
AQ59-P-8	.50	1.50	.70

# PUSH-IN TUBE FITTINGS



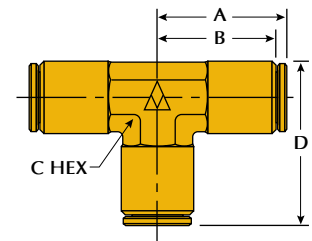
## AQ62-P UNION CONNECTOR

PART NUMBER	TUBE O.D.	A	B	C
AQ62-P-2	1/8	1.23	1.07	.38
AQ62-P-5/32	5/32	1.23	1.07	.38
AQ62-P-4	1/4	1.66	1.50	.44
AQ62-P-6	3/8	1.60	1.44	.56
AQ62-P-8	1/2	1.79	1.63	.69



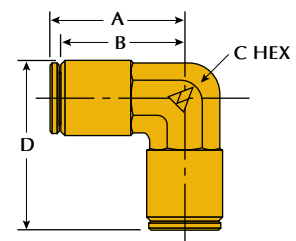
## AQ64-P UNION TEE

PART NUMBER	TUBE O.D.	A	B	C	D
AQ64-P-2	1/8	.73	.65	5/16	.90
AQ64-P-5/32	5/32	.75	.67	5/16	.93
AQ64-P-3	3/16	.83	.75	3/8	1.08
AQ64-P-4	1/4	1.00	.92	3/8	1.24
AQ64-P-6	3/8	1.06	.98	1/2	1.37
AQ64-P-8	1/2	1.10	1.02	5/8	1.47



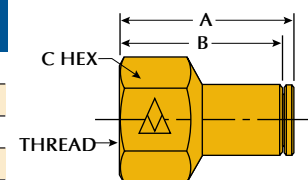
## AQ65-P UNION ELBOW

PART NUMBER	TUBE O.D.	A	B	C	D
AQ65-P-2	1/8	.73	.65	5/16	.91
AQ65-P-5/32	5/32	.75	.67	5/16	.93
AQ65-P-4	1/4	.95	.87	3/8	1.21
AQ65-P-6	3/8	1.05	.97	1/2	1.35
AQ65-P-8	1/2	1.10	1.02	5/8	1.45



## AQ66-P FEMALE CONNECTOR

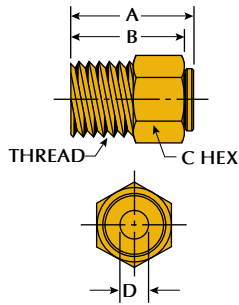
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C
AQ66-P-2x2	1/8	1/8	1.04	.96	9/16
AQ66-P-5/32x2	5/32	1/8	1.08	1.00	9/16
AQ66-P-4x2	1/4	1/8	1.31	1.23	9/16
AQ66-P-4x4	1/4	1/4	1.50	1.42	3/4
AQ66-P-6x4	3/8	1/4	1.40	1.32	3/4
AQ66-P-6x6	3/8	3/8	1.39	1.31	7/8



All dimensions are subject to change without notice.

## PUSH-IN TUBE FITTINGS

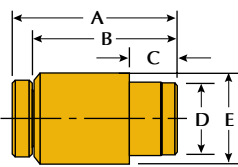
### AQ68-P MALE CONNECTOR



PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AQ68-P-2X0	1/8	10-32*	.77	.69	3/8	3/32
AQ68-P-2X1	1/8	1/16	.76	.68	3/8	7/64
AQ68-P-2X2	1/8	1/8	.69	.61	7/16	.106
AQ68-P-5/32X0	5/32	10-32*	.75	.67	3/8	3/32
AQ68-P-5/32X2	5/32	1/8	.75	.67	7/16	.130
AQ68-P-5/32X4	5/32	1/4	.93	.85	9/16	9/64
AQ68-P-3X0	3/16	10-32*	.88	.80	3/8	3/32
AQ68-P-3X2	3/16	1/8	1.01	.93	7/16	5/32
AQ68-P-4X0	1/4	10-32*	.95	.87	7/16	3/32
AQ68-P-4X2	1/4	1/8	1.01	.93	7/16	3/16
AQ68-P-4X4	1/4	1/4	1.01	.93	9/16	3/16
AQ68-P-4X6	1/4	3/8	1.02	.94	11/16	3/16
AQ68-P-6X2	3/8	1/8	1.18	1.10	9/16	3/16
AQ68-P-6X4	3/8	1/4	1.19	1.11	9/16	5/16
AQ68-P-6X6	3/8	3/8	1.10	1.02	11/16	5/16
AQ68-P-6X8	3/8	1/2	1.10	1.02	7/8	5/16
AQ68-P-8X4	1/2	1/4	1.48	1.40	11/16	5/16
AQ68-P-8X6	1/2	3/8	1.28	1.20	11/16	3/8
AQ68-P-8X8	1/2	1/2	1.10	1.02	7/8	3/8

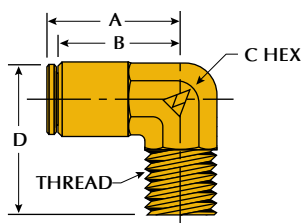
\*Furnished with gaskets

### AQ688-P PRESS-IN CARTRIDGE



PART NUMBER	TUBE O.D.	A	B	C	D	E
AQ688-P-2X00	1/8	.67	.59	.20	.30	.38
AQ688-P-5/32X00	5/32	.67	.59	.20	.30	.38
AQ688-P-3X00	3/16	.77	.69	.20	.30	.44
AQ688-P-4X00	1/4	.93	.85	.26	.38	.50
AQ688-P-6X00	3/8	1.21	1.13	.26	.38	.56

### AQ69-P MALE ELBOW



PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AQ69-P-2X2	1/8	1/8	.77	.69	5/16	.87
AQ69-P-5/32X2	5/32	1/8	.76	.68	5/16	.86
AQ69-P-3X2	3/16	1/8	.83	.75	3/8	.92
AQ69-P-4X2	1/4	1/8	.97	.89	3/8	1.00
AQ69-P-4X4	1/4	1/4	1.03	.95	3/8	1.20
AQ69-P-4X6	1/4	3/8	1.08	1.00	1/2	1.27
AQ69-P-6X2	3/8	1/8	1.07	.99	1/2	1.10
AQ69-P-6X4	3/8	1/4	1.06	.98	1/2	1.25
AQ69-P-6X6	3/8	3/8	1.05	.97	1/2	1.29
AQ69-P-8X4	1/2	1/4	1.10	1.02	5/8	1.37
AQ69-P-8X6	1/2	3/8	1.10	1.02	5/8	1.37
AQ69-P-8X8	1/2	1/2	1.19	1.11	5/8	1.56

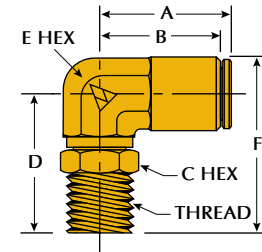
# PUSH-IN TUBE FITTINGS



## AQ69-PS SWIVEL MALE ELBOW

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F
AQ69-PS-2X2	1/8	1/8	.77	.69	7/16	.98	7/16	1.20
AQ69-PS-5/32X0	5/32	10-32*	.76	.67	3/8	.71	5/16	.89
AQ69-PS-5/32X2	5/32	1/8	.75	.68	7/16	.89	3/8	1.11
AQ69-PS-5/32X4	5/32	1/4	.75	.68	9/16	1.08	3/8	1.30
AQ69-PS-3X2	3/16	1/8	.82	.74	7/16	.88	3/8	1.10
AQ69-PS-4X0	1/4	10-32*	.94	.86	5/16	.79	3/8	1.23
AQ69-PS-4X2	1/4	1/8	.98	.90	3/8	.93	3/8	1.16
AQ69-PS-4X4	1/4	1/4	.98	.90	9/16	.99	3/8	1.23
AQ69-PS-4X6	1/4	3/8	1.06	.98	11/16	1.14	1/2	1.43
AQ69-PS-6X2	3/8	1/8	1.02	.94	1/2	1.08	1/2	1.38
AQ69-PS-6X4	3/8	1/4	1.07	.99	9/16	1.15	1/2	1.45
AQ69-PS-6X6	3/8	3/8	1.08	1.00	11/16	1.24	1/2	1.55
AQ69-PS-6X8	3/8	1/2	1.08	1.00	7/8	1.54	1/2	1.85
AQ69-PS-8X4	1/2	1/4	1.23	1.15	9/16	1.25	1/2	1.59
AQ69-PS-8X6	1/2	3/8	1.23	1.15	11/16	1.28	5/8	1.64
AQ69-PS-8X8	1/2	1/2	1.23	1.15	7/8	1.57	5/8	1.93

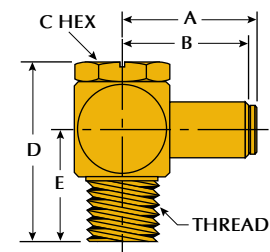
\*Furnished with gaskets



## AQ699-PS SWIVEL BANJO ELBOW

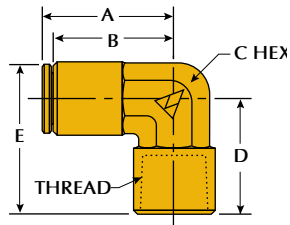
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E
AQ699-PS-5/32X0	5/32	10-32*	.71	.63	5/16	.69	.38
AQ699-PS-5/32X2	5/32	1/8	.76	.68	1/2	1.14	.69
AQ699-PS-4X2	1/4	1/8	.93	.85	1/2	1.14	.69
AQ699-PS-4X4	1/4	1/4	.95	.87	5/8	1.49	.95
AQ699-PS-4X6	1/4	3/8	1.08	1.00	3/4	1.66	1.04
AQ699-PS-6X4	3/8	1/4	.95	.87	5/8	1.49	.95
AQ699-PS-6X6	3/8	3/8	1.08	1.00	3/4	1.66	1.04

\*Furnished with gaskets



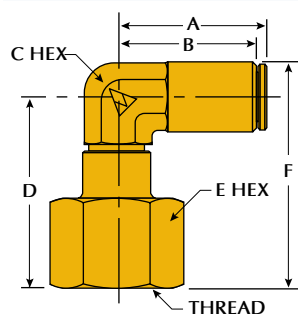
# PUSH-IN TUBE FITTINGS

## AQ70-P FEMALE ELBOW



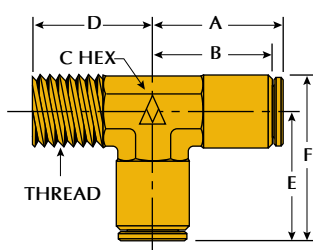
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E
AQ70-P-2X2	1/8	1/8	.78	.70	3/8	.82	1.04
AQ70-P-5/32X2	5/32	1/8	.76	.68	3/8	.82	1.04
AQ70-P-4X2	1/4	1/8	.99	.91	3/8	.75	.99
AQ70-P-4X4	1/4	1/4	1.11	1.03	1/2	1.03	1.31
AQ70-P-6X4	3/8	1/4	1.06	.98	1/2	.95	1.24

## AQ70-PS SWIVEL FEMALE ELBOW



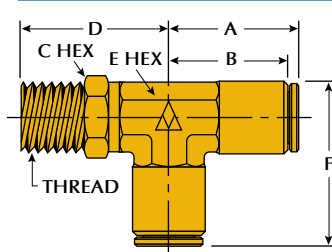
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F
AQ70-PS-5/32X2	5/32	1/8	.76	.68	3/8	1.06	9/16	1.28
AQ70-PS-4X2	1/4	1/8	.98	.90	3/8	1.08	9/16	1.32
AQ70-PS-4X4	1/4	1/4	.98	.90	3/8	1.26	3/8	1.50
AQ70-PS-6X4	3/8	1/4	1.07	.99	1/2	1.48	3/4	1.78
AQ70-PS-6X6	3/8	3/8	1.08	1.00	1/2	1.66	7/8	1.97
AQ70-PS-8X6	1/2	3/8	1.23	1.15	5/8	1.70	7/8	2.06

## AQ71-P MALE RUN TEE



PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F
AQ71-P-2X2	1/8	1/8	.73	.65	5/16	.72	.65	.94
AQ71-P-5/32X2	5/32	1/8	.75	.67	5/16	.65	.67	.95
AQ71-P-3X2	3/16	1/8	.83	.75	3/8	.73	.82	1.04
AQ71-P-4X2	1/4	1/8	1.00	.92	3/8	.74	.92	1.24
AQ71-P-4X4	1/4	1/4	1.00	.92	7/16	.92	.92	1.27
AQ71-P-6X2	3/8	1/8	1.02	.94	1/2	.82	.94	1.34
AQ71-P-6X4	3/8	1/4	1.06	.98	1/2	.98	.98	1.37
AQ71-P-6X6	3/8	3/8	1.13	1.05	5/8	1.05	1.05	1.49
AQ71-P-8X6	1/2	3/8	1.10	1.02	5/8	1.07	1.02	1.47

## AQ71-PS SWIVEL MALE RUN TEE



PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F
AQ71-PS-2X2	1/8	1/8	.73	.65	1/2	.86	3/8	1.02
AQ71-PS-5/32X0	5/32	10-32*	.73	.65	5/16	.71	5/16	.91
AQ71-PS-5/32X2	5/32	1/8	.75	.67	9/16	1.04	3/8	1.40
AQ71-PS-4X2	1/4	1/8	1.00	.92	1/2	1.04	3/8	1.29
AQ71-PS-4X4	1/4	1/4	1.00	.92	9/16	1.13	3/8	1.33
AQ71-PS-6X2	3/8	1/8	1.03	.94	1/2	1.11	1/2	1.34
AQ71-PS-6X4	3/8	1/4	1.02	.94	9/16	1.19	1/2	1.36
AQ71-PS-6X6	3/8	3/8	1.04	.96	11/16	1.24	1/2	1.43
AQ71-PS-8X6	1/2	3/8	1.22	1.14	11/16	1.33	5/8	1.62
AQ71-PS-8X8	1/2	1/2	1.22	1.14	7/8	1.63	5/8	1.73

\*Furnished with gaskets

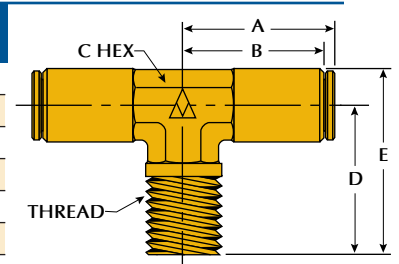


# PUSH-IN TUBE FITTINGS



## AQ72-P MALE BRANCH TEE

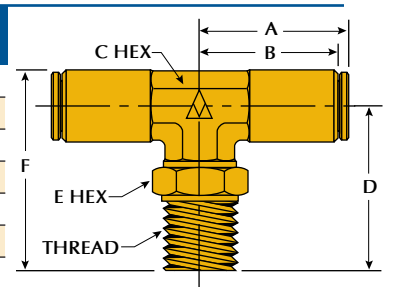
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E
AQ72-P-2X2	1/8	1/8	.77	.69	5/16	.72	.90
AQ72-P-5/32X2	5/32	1/8	.77	.69	5/16	.65	.84
AQ72-P-3X2	3/16	1/8	.82	.74	3/8	.78	1.00
AQ72-P-4X2	1/4	1/8	1.00	.92	3/8	.74	.98
AQ72-P-4X4	1/4	1/4	.99	.91	3/8	.93	1.17
AQ72-P-6X2	3/8	1/8	1.06	.98	1/2	.80	1.10
AQ72-P-6X4	3/8	1/4	1.06	.98	1/2	.97	1.27
AQ72-P-6X6	3/8	3/8	1.06	.98	1/2	.97	1.27
AQ72-P-8X6	1/2	3/8	1.23	1.15	5/8	1.05	1.41



## AQ72-PS SWIVEL MALE BRANCH TEE

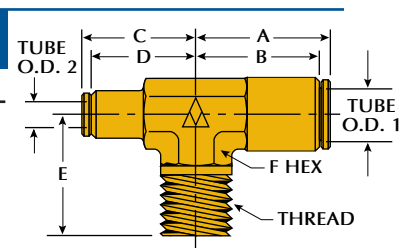
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F
AQ72-PS-2X2	1/8	1/8	.73	.65	5/16	.81	9/16	1.03
AQ72-PS-5/32X0	5/32	10-32*	.73	.65	5/16	.71	5/16	.89
AQ72-PS-5/32X2	5/32	1/8	.75	.67	3/8	.94	3/8	1.23
AQ72-PS-4X2	1/4	1/8	1.00	.92	3/8	.97	9/16	1.21
AQ72-PS-4X4	1/4	1/4	1.00	.92	3/8	1.09	3/4	1.33
AQ72-PS-6x2	3/8	1/8	1.03	.94	1/2	1.09	1/2	1.40
AQ72-PS-6X4	3/8	1/4	1.04	.96	1/2	1.14	3/4	1.53
AQ72-PS-6X6	3/8	3/8	1.04	.96	1/2	1.23	7/8	1.53
AQ72-PS-8X6	1/2	3/8	1.11	1.03	5/8	1.31	7/8	1.67
AQ72-PS-8X8	1/2	1/2	1.11	1.03	5/8	1.61	7/8	1.97

\*Furnished with gaskets



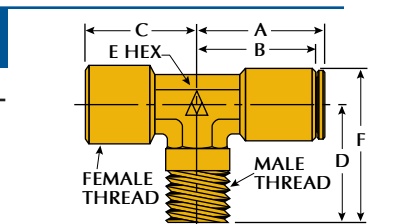
## AQ73-P REDUCING MALE BRANCH TEE

PART NUMBER	TUBE O.D. 1	TUBE O.D. 2	PIPE THREAD	A	B	C	D	E	F
AQ73-P-6X4X2	1/8	3/8	1/4	1.06	.98	.91	.83	.97	1/2



## AQ74-P MALE/FEMALE BRANCH TEE

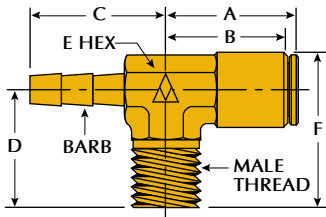
PART NUMBER	TUBE O.D.	THREAD FEMALE	MALE	A	B	C	D	E	F
AQ74-P-4X6X4	3/8	1/4	1/4	1.07	.99	.94	1.00	1/2	1.33



All dimensions are subject to change without notice.

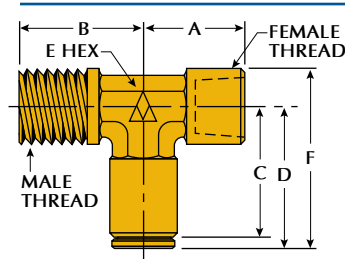
# PUSH-IN TUBE FITTINGS

## AQ75-P TUBE/BARB MALE BRANCH TEE



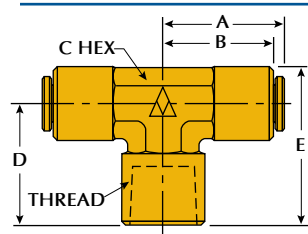
PART NUMBER	TUBE O.D.	PIPE THREAD	BARB	A	B	C	D	E	F
AQ75-P-6X4X4B	3/8	1/4	1/4	1.06	.98	1.08	.97	1/2	1.27

## AQ76-P MALE/FEMALE RUN TEE



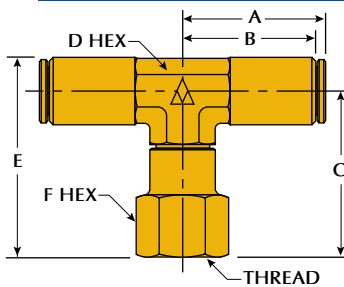
PART NUMBER	TUBE O.D.	THREAD FEMALE	MALE	A	B	C	D	E	F
AQ76-P-2X4X2	1/4	1/8	1/8	.82	.82	.92	1.00	7/16	1.28
AQ76-P-4X4X2	1/4	1/8	1/4	.73	.87	.93	1.01	3/8	1.28

## AQ77-P FEMALE BRANCH TEE



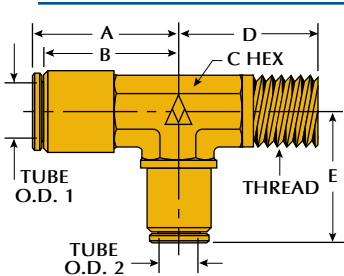
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E
AQ77-P-4X2	1/4	1/8	.97	.89	7/16	.75	.99
AQ77-P-4X4	1/4	1/4	.97	.89	1/2	.98	1.27
AQ77-P-6X4	3/8	1/4	1.04	.96	1/2	.98	1.29

## AQ77-PS SWIVEL FEMALE BRANCH TEE



PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E
AQ77-PS-4X2	1/4	1/8	1.00	.92	1.14	3/8	1.37

## AQ78-P REDUCING MALE RUN TEE



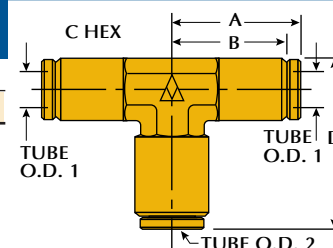
PART NUMBER	TUBE O.D. 1	TUBE O.D. 2	PIPE THREAD	A	B	C	D	E
AQ78-P-6X4X4	3/8	1/4	1/4	.99	1.07	1/2	.99	1.05

# PUSH-IN TUBE FITTINGS



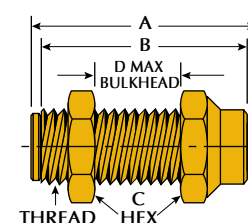
## AQ79-P UNION REDUCING TEE

PART NUMBER	TUBE O.D. 1	TUBE O.D. 2	A	B	C	D
AQ79-P-2X3	1/8	3/16	.75	.67	5/16	.99
AQ79-P-6X4	3/8	1/4	1.06	.98	1/2	1.29



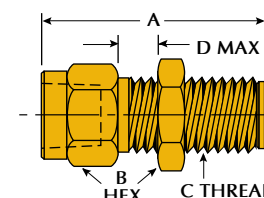
## AQ82-P BULKHEAD UNION

PART NUMBER	TUBE O.D.	A	B	C	D	E THREAD
AQ82-P-2	1/8	1.28	1.12	5/8	.50	7/16-20
AQ82-P-5/32	5/32	1.28	1.12	5/8	.50	7/16-20
AQ82-P-3	3/16	1.43	1.27	11/16	.58	1/2-20
AQ82-P-4	1/4	1.87	1.69	11/16	.89	1/2-20
AQ82-P-6	3/8	1.87	1.69	13/16	.89	5/8-18
AQ82-P-8	1/2	1.91	1.75	15/16	.75	3/4-16



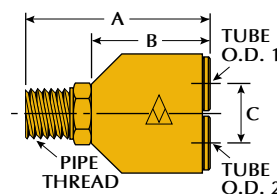
## AQ86-P FEMALE BULKHEAD UNION

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AQ86-P-4X2	1/4	1/8	1.29	11/16	1/2-20	.63
AQ86-P-4X4	1/4	1/4	1.46	3/4	1/2-20	.63
AQ86-P-6X4	3/8	1/4	1.81	3/4	5/8-18	.99



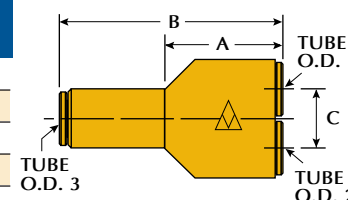
## AQ88-P "Y" CONNECTOR MALE NPT TO DUAL AQ TUBE CONNECTOR

PART NUMBER	TUBE O.D. 1	TUBE O.D. 2	PIPE THREAD	A	B	C
AQ88-P-5/32X2	5/32	5/32	1/8	.81	1.46	.44
AQ88-P-5/32X4	5/32	5/32	1/4	.81	1.64	.44
AQ88-P-4X2	1/4	1/4	1/8	1.16	1.81	.50
AQ88-P-4X4	1/4	1/4	1/4	1.16	2.00	.50



## AQ89-P "Y" CONNECTOR TRIPLE TUBE TO TUBE TO TUBE CONNECTOR

PART NUMBER	TUBE O.D. 1	TUBE O.D. 2	TUBE O.D. 3	A	B	C
AQ89-P-5/32	5/32	5/32	5/32	.81	1.36	.44
AQ89-P-5/32X2	5/32	5/32	1/8	.81	1.36	.44
AQ89-P-5/32X4	5/32	5/32	1/4	.81	1.56	.44
AQ89-P-4	1/4	1/4	1/4	1.16	1.91	.50
AQ89-P-4X5/32	1/4	1/4	5/32	1.16	1.71	.50
AQ89-P-4X2	1/4	1/4	1/8	1.16	1.71	.50
AQ89-P-4X6	1/4	1/4	3/8	1.16	2.19	.50

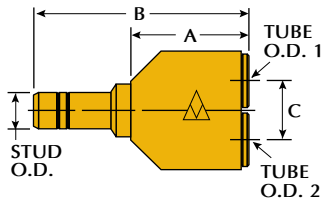


All dimensions are subject to change without notice.

## PUSH-IN TUBE FITTINGS & COLOR CAPS

### AQ90-P "Y" CONNECTOR DUAL TUBE WITH PLUG-IN MALE STUD

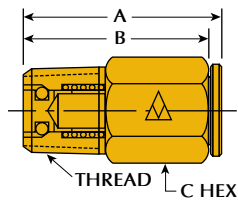
Plug-in stud connects to AQ fitting of same tube O.D. and has through passage for air.



PART NUMBER	TUBE O.D. 1	TUBE O.D. 2	STUD O.D.	A	B	C
AQ90-P-5/32	5/32	5/32	5/32	.81	1.48	.44
AQ90-P-5/32X4	5/32	5/32	1/4	.81	1.70	.44
AQ90-P-4	1/4	1/4	1/4	1.16	2.05	.50
AQ90-P-4X5/32	1/4	1/4	5/32	1.16	1.83	.50

### AQ92-P QUICK DISCONNECT

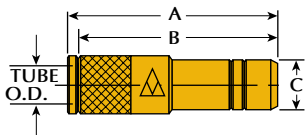
When tube is disconnected, flow shuts off automatically.



PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C
AQ92-P-4X2	1/4	1/8	1.00	.92	7/16
AQ92-P-4X4	1/4	1/4	1.00	.92	9/16
AQ92-P-6X4	3/8	1/4	1.20	1.12	9/16

### AQ97-P REDUCING UNION

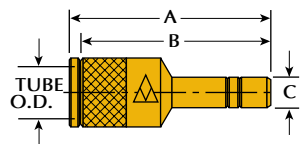
For use with SERIES "AQ" Fittings only.



PART NUMBER	TUBE O.D.	A	B	C
AQ97-P-2X4	1/8	1.38	1.30	.25
AQ97-P-5/32X4	5/32	1.44	1.36	.25
AQ97-P-5/32X6	5/32	1.44	1.36	.38
AQ97-P-4X6	1/4	1.60	1.52	.38

### AQ99-P EXPANDER UNION

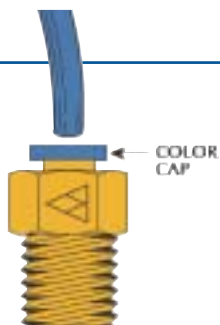
For use with SERIES "AQ" Fittings only.



PART NUMBER	TUBE O.D.	A	B	C
AQ99-P-4X5/32	1/4	1.40	1.32	5/32
AQ99-P-6X4	3/8	1.64	1.58	1/4

### AQ COLOR COORDINATED SNAP-ON IDENTIFICATION CAPS

Used in coordination with colored plastic tubing for simplification in plumbing.



PART NUMBER	TUBE O.D.	COLOR CODE	PART COLOR	COLOR CODE
AQCAP-2*	1/8	*	NATURAL	N
AQCAP-5/32*	5/32	*	BLUE	B
AQCAP-3*	3/16	*	BLACK	BL
AQCAP-4*	1/4	*	GRAY	GR
AQCAP-6*	3/8	*	GREEN	GN
AQCAP-8*	1/2	*	RED	R
			ORANGE	O
			YELLOW	Y

\*Add color code required.

## CUSTOMIZED FITTINGS

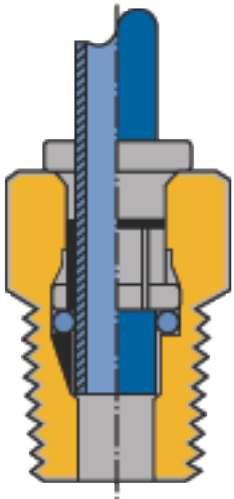
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- Customized fittings are usually the result of combining other fittings such as pipe or barbs with Series AQ Push-In fittings. This eliminates the number of leakage paths, reduces inventory items and saves assembly labor.
- Examples shown above illustrate combinations with barbs, male and female pipe threads in the same fittings, different tube outside diameters in the same fitting, different pipe thread connections and 45 elbows.
- Customized fittings are available in brass, nickel plated brass, and stainless steel.
- O-ring material and thread sealant options available.
- Customized products are only limited by the imagination of the designer.
- Contact Alkon for no-charge design assistance.



## ULTRA SERIES AQ NICKEL PLATED PUSH-IN TUBE FITTINGS



- The ULTRA fittings are Nickel plated, to provide service under harsh conditions for many years to come.
- This lustrous finish will enhance the appearance of any machinery and add a glow of quality.
- ULTRA fittings come with pre-applied thread sealant to save installation labor.
- To Order: Replace "P" or "PS" in Series AQ part number with "N" or "NS".



## VITON® "O" RING SEALS IN SERIES AQ FITTINGS

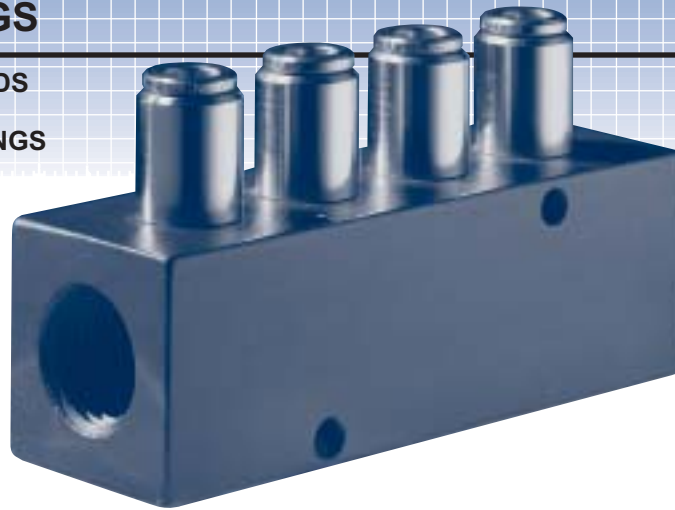
- Viton is available from stock on a selected assortment of parts and can be installed in any Series AQ fitting.
- To Order: Replace "P" or "PS" in Series AQ part number with "V" or "VS".

## AFLAS®, EPR, EPDM AND OTHER "O" RING SEALS IN SERIES AQ FITTINGS

- Consult ALKON for availability.

# MANIFOLDS WITH PRE-INSTALLED PUSH-IN FITTINGS

ALL SERIES MQ MANIFOLDS INCLUDE PRE-INSTALLED SERIES AQ PUSH-IN FITTINGS



**QUICK CONNECT**  
Simply push tubing in, no tools.

**QUICK DISCONNECT**  
Hold two fingers on insert and pull tubing out, no tools required.

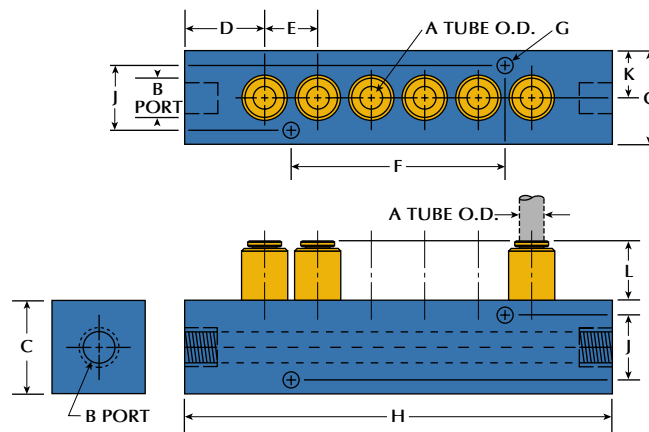
**FULL FLOW DESIGN**  
Provides up to 60% more flow area than conventional fittings with internal support.

**TOP AND SIDE MOUNTING HOLES**  
Standard.

**ANODIZED ALUMINUM MANIFOLDS**  
Offer excellent corrosion resistance.

**FIVE TUBE "O.D." SIZES**  
On stock manifolds.

**CUSTOMIZED MANIFOLDS**  
Different O.D. tube sizes, pipe plug, barb connectors and other requirements can be integrated in one manifold to solve problems. Example on Page 17.



## MQ22 MANIFOLDS WITH PUSH-IN FITTINGS

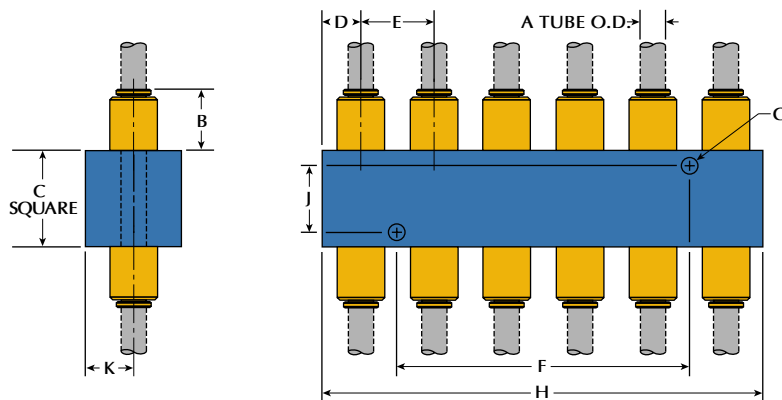
PART NUMBER	NO. OF OUTLETS	A TUBE O.D.	B PIPE THREAD	C	D	E	F	G	H	J	K	L
MQ22-2X4-4	4	1/8	1/4	1.00 Sq.	.50	.75	1.50	.17	3.25	.70	.50	.47
MQ22-2X4-6	6	1/8	1/4	1.00 Sq.	.50	.75	3.00	.17	4.75	.70	.50	.47
MQ22-2X4-8	8	1/8	1/4	1.00 Sq.	.50	.75	4.50	.17	6.25	.70	.50	.47
MQ22-2X4-10	10	1/8	1/4	1.00 Sq.	.50	.75	6.00	.17	7.75	.70	.50	.47
MQ22-5/32X4-4	4	5/32	1/4	1.00 Sq.	.50	.75	1.50	.17	3.25	.70	.50	.47
MQ22-5/32X4-6	6	5/32	1/4	1.00 Sq.	.50	.75	3.00	.17	4.75	.70	.50	.47
MQ22-5/32X4-8	8	5/32	1/4	1.00 Sq.	.50	.75	4.50	.17	6.25	.70	.50	.47
MQ22-5/32X4-10	10	5/32	1/4	1.00 Sq.	.50	.75	6.00	.17	7.75	.70	.50	.47
MQ22-3X4-4	4	3/16	1/4	1.00 Sq.	.50	.75	1.50	.17	3.25	.70	.50	.57
MQ22-3X4-6	6	3/16	1/4	1.00 Sq.	.50	.75	3.00	.17	4.75	.70	.50	.57
MQ22-3X4-8	8	3/16	1/4	1.00 Sq.	.50	.75	4.50	.17	6.25	.70	.50	.57
MQ22-3X4-10	10	3/16	1/4	1.00 Sq.	.50	.75	6.00	.17	7.75	.70	.50	.57
MQ22-4X6-4	4	1/4	3/8	1.13 Sq.	.63	.75	1.50	.18	3.50	.85	.56	.67
MQ22-4X6-6	6	1/4	3/8	1.13 Sq.	.63	.75	3.00	.18	5.00	.85	.56	.67
MQ22-4X6-8	8	1/4	3/8	1.13 Sq.	.63	.75	4.50	.18	6.50	.85	.56	.67
MQ22-4X6-10	10	1/4	3/8	1.13 Sq.	.63	.75	6.00	.18	8.00	.85	.56	.67
MQ22-6X6-4	4	3/8	3/8	1.13 Sq.	.63	.75	1.50	.18	3.50	.85	.56	.95
MQ22-6X6-6	6	3/8	3/8	1.13 Sq.	.63	.75	3.00	.18	5.00	.85	.56	.95
MQ22-6X6-8	8	3/8	3/8	1.13 Sq.	.63	.75	4.50	.18	6.50	.85	.56	.95
MQ22-6X6-10	10	3/8	3/8	1.13 Sq.	.63	.75	6.00	.18	8.00	.85	.56	.95

All dimensions are subject to change without notice.

# MANIFOLDS WITH PRE-INSTALLED PUSH-IN FITTINGS

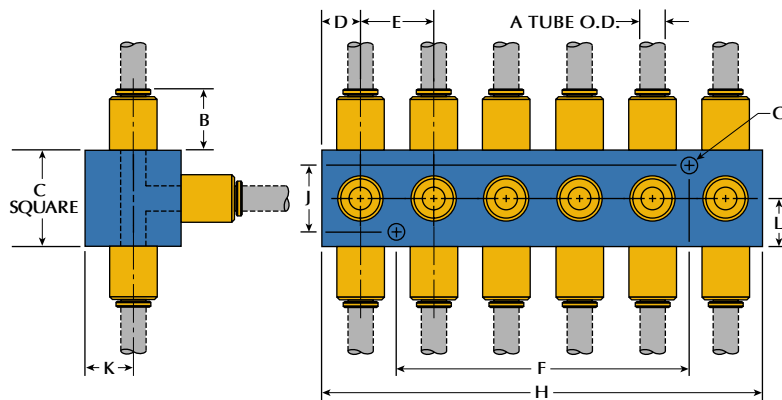
## MQ23 UNION MANIFOLDS

PART NUMBER	NO. OF STATIONS	NO. OF OUTLETS	A TUBE O.D.	B	C	D	E	F	G	H	J	K
MQ23-2-6	6	12	1/8	.473	.750 Sq.	.312	.625	2.50	.173	3.75	.450	.375
MQ23-5/32-6	6	12	5/32	.473	.750 Sq.	.312	.625	2.50	.173	3.75	.450	.375
MQ23-3-6	6	12	3/16	.571	.750 Sq.	.312	.625	2.50	.173	3.75	.450	.375
MQ23-4-6	6	12	1/4	.669	1.00 Sq.	.375	.750	3.00	.173	4.50	.700	.500
MQ23-6-6	6	12	3/8	.950	1.00 Sq.	.375	.750	3.00	.173	4.50	.700	.500



## MQ24 UNION TEE MANIFOLDS

PART NUMBER	NO. OF STATIONS	NO. OF OUTLETS	A TUBE O.D.	B	C	D	E	F	G	H	J	K	L
MQ24-2-6	6	18	1/8	.473	.750 Sq.	.312	.625	2.50	.173	3.75	.450	.375	.375
MQ24-5/32-6	6	18	5/32	.473	.750 Sq.	.312	.625	2.50	.173	3.75	.450	.375	.375
MQ24-3-6	6	18	3/16	.571	.750 Sq.	.312	.625	2.50	.173	3.75	.450	.375	.375
MQ24-4-6	6	18	1/4	.669	1.00 Sq.	.375	.750	3.00	.173	4.50	.700	.500	.500
MQ24-6-6	6	18	3/8	.950	1.00 Sq.	.375	.750	3.00	.173	4.50	.700	.500	.500



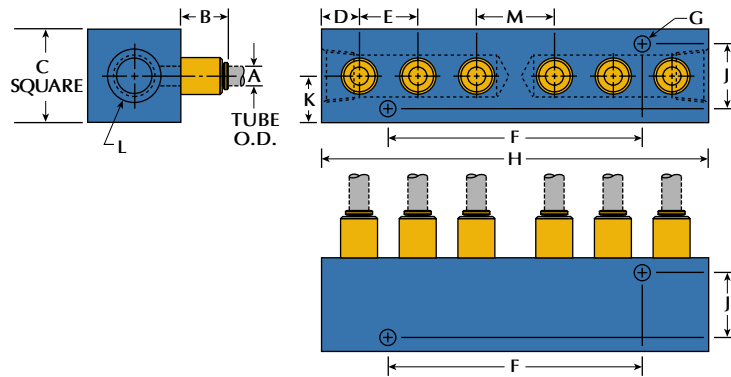


# MANIFOLDS WITH PRE-INSTALLED PUSH-IN FITTINGS



## MQ25 DUAL PRESSURE MANIFOLDS

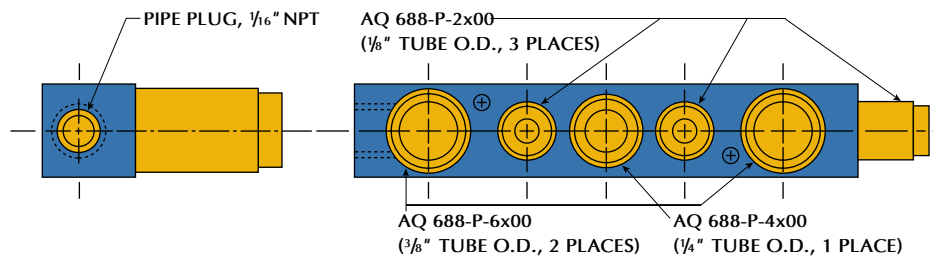
PART NUMBER	NO. OF STATIONS	NO. OF OUTLETS	A TUBE O.D.	B	C	D	E	F	G	H	J	K	L	M
MQ25-2X4-6	6	6	1/8	.473	1.00 Sq.	.500	.625	2.88	.173	4.50	.700	.500	1/4 NPT	1.00
MQ25-5/32X4-6	6	6	5/32	.473	1.00 Sq.	.500	.625	2.88	.173	4.50	.700	.500	1/4 NPT	1.00
MQ25-3X4-6	6	6	3/16	.571	1.00 Sq.	.500	.625	2.88	.173	4.50	.700	.500	1/4 NPT	1.00
MQ25-4X6-6	6	6	1/4	.669	1.25 Sq.	.500	.750	3.25	.203	5.00	.890	.625	3/8 NPT	1.00
MQ25-6X6-6	6	6	3/8	.950	1.25 Sq.	.500	.750	3.25	.203	5.00	.890	.625	3/8 NPT	1.00



## CUSTOMIZED MANIFOLDS

Example shown is an actual part utilizing three different outside diameter Series "AQ" Push-In fittings on two planes and a pipe plug on one end.

Custom manifold design are only limited by the imagination of the designer – contact Alkon for design assistance.



# MANIFOLDS WITH PRE-INSTALLED PUSH-IN FITTINGS

## MTQ MULTIPLE TUBE CONNECTORS

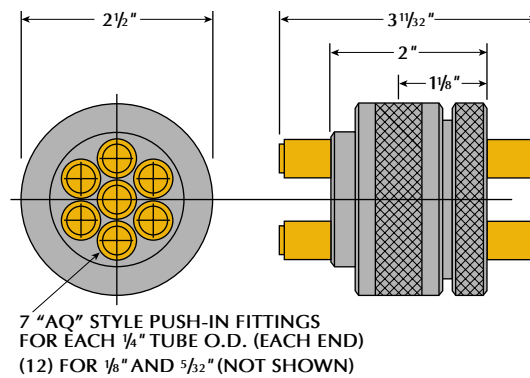
PART NUMBER	TUBE O.D.	MAXIMUM # OF TUBE CONNECTORS	PART NUMBER	TUBE O.D.	MAXIMUM # OF TUBE CONNECTORS
MTQ-S-2X*	1/8"	12	MTQ-S-4X*	1/4"	7
MTQ-B-2X*	1/8"	12	MTQ-B-4X*	1/4"	7
MTQ-S-5/32X*	5/32"	12			
MTQ-B-5/32X*	5/32"	12			

\*Insert number of tube connections required.

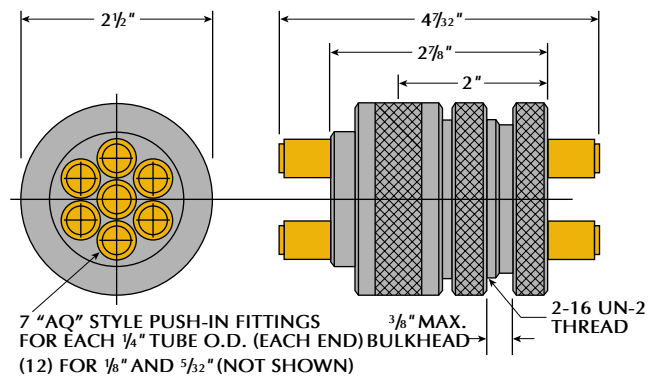
Each connector accepts a maximum # of tube connectors, per above chart at each end modified for less than maximum # of connections per customer requirement by simply installing the number of fittings required at end of part number.

Custom connections combining various tube O.D. diameters and other configurations are available.

### STANDARD "MTQ-S"



### BULKHEAD "MTQ-B"



# METRIC PUSH-IN TUBE FITTINGS

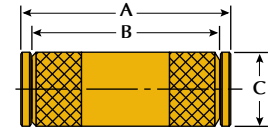
PIPE THREADS – BSPT with TEFLON® based thread sealant pre-applied.

“O” RINGS – BUNA-N – other compounds available.

GROWING LINE – additional sizes are being added constantly, consult factory for sizes not shown.

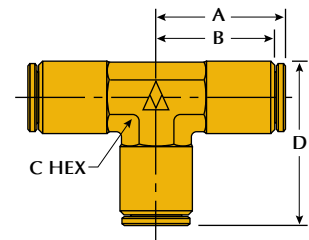
## MAQ62-P UNION CONNECTOR

PART NUMBER	TUBE O.D.	A	B	C
MAQ62-P-4	4mm	33.4	27.0	11.0
MAQ62-P-6	6mm	42.0	35.0	11.0
MAQ62-P-8	8mm	45.0	38.0	14.0
MAQ62-P-10	10mm	42.5	35.5	15.0
MAQ62-P-12	12mm	47.0	40.0	18.0



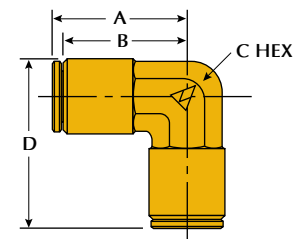
## MAQ64-P UNION TEE

PART NUMBER	TUBE O.D.	A	B	C
MAQ64-P-4	4mm	20.2	17.0	8.0
MAQ64-P-6	6mm	26.2	22.7	9.0
MAQ64-P-8	8mm	28.0	24.5	11.0
MAQ64-P-10	10mm	28.5	25.0	13.0
MAQ64-P-12	12mm	29.5	26.0	15.0



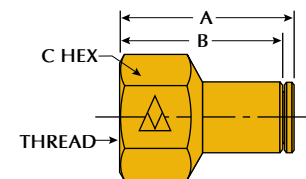
## MAQ65-P UNION ELBOW

PART NUMBER	TUBE O.D.	A	B
MAQ65-P-6	6mm	26.0	22.5
MAQ65-P-8	8mm	27.0	23.5



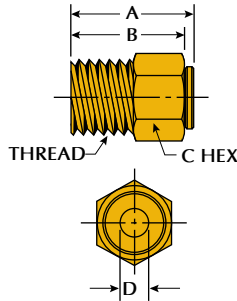
## MAQ66-P FEMALE CONNECTOR

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C
MAQ66-P-4X2	4mm	1/8	28.5	25.3	14.0
MAQ66-P-4X4	4mm	1/4	35.2	32.0	19.0
MAQ66-P-6X2	6mm	1/8	33.0	29.5	14.0
MAQ66-P-6X4	6mm	1/4	38.5	35.0	19.0
MAQ66-P-8X4	8mm	1/4	39.5	36.0	19.0
MAQ66-P-8X6	8mm	3/8			



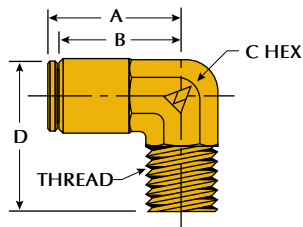
# METRIC PUSH-IN TUBE FITTINGS

## MAQ68-P MALE CONNECTOR



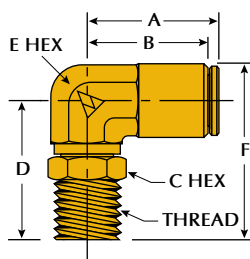
PART NUMBER	TUBE O.D.	PIPE THREAD (BSPT)	A	B	C	D
MAQ68-P-4X2	4mm	1/8	19.3	16.1	11.0	3.2
MAQ68-P-4X4	4mm	1/4	22.5	19.3	14.0	3.2
MAQ68-P-6X2	6mm	1/8				
MAQ68-P-6X4	6mm	1/4	23.8	20.3	14.0	4.8
MAQ68-P-8X4	8mm	1/4	31.3	27.8	14.0	4.8
MAQ68-P-8X6	8mm	3/8	28.0	24.5	18.0	4.8
MAQ68-P-10X4	10mm	1/4	28.8	25.3	15.0	8.0
MAQ68-P-10X6	10mm	3/8	26.7	23.2	18.0	8.0
MAQ68-P-12X6	12mm	3/8	32.2	29.7	18.0	9.5
MAQ68-P-12X8	12mm	1/2	29.0	25.5	22.0	9.5

## MAQ69-P MALE ELBOW



PART NUMBER	TUBE O.D.	PIPE THREAD (BSPT)	A	B	C	D
MAQ69-P-4X2	4mm	1/8	22.2	19.0	8.0	17.6
MAQ69-P-4X4	4mm	1/4	20.2	17.0	11.0	23.8
MAQ69-P-6X2	6mm	1/8	26.2	22.7	9.0	18.6
MAQ69-P-6X4	6mm	1/4	26.2	22.7	11.0	23.3
MAQ69-P-8X4	8mm	1/4	27.0	23.5	11.0	23.3
MAQ69-P-8X6	8mm	3/8	28.0	24.5	13.0	24.7
MAQ69-P-10X4	10mm	1/4	27.0	23.5	13.0	23.8
MAQ69-P-10X6	10mm	3/8	28.5	25.0	13.0	24.7
MAQ69-P-12X6	12mm	3/8	29.5	26.0	15.0	25.0
MAQ69-P-12X8	12mm	1/2	34.5	31.0	15.0	32.5

## MAQ69-PS SWIVEL MALE ELBOW



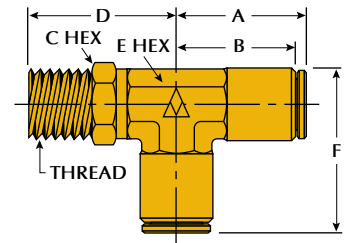
PART NUMBER	TUBE O.D.	PIPE THREAD (BSPT)	A	B	C	D
MAQ69-PS-4X2	4mm	1/8	19.2	16.0	11.0	26.7
MAQ69-PS-4X4	4mm	1/4	19.2	16.0	14.0	31.7
MAQ69-PS-6X2	6mm	1/8	26.0	22.5	11.0	28.7
MAQ69-PS-6X4	6mm	1/4	26.0	22.5	14.0	33.7
MAQ69-PS-8X4	8mm	1/4	27.0	23.5	14.0	35.2
MAQ69-PS-8X6	8mm	3/8	27.0	23.5	18.0	35.2
MAQ69-PS-10X4	10mm	1/4	27.5	24.0	14.0	35.2
MAQ69-PS-10X6	10mm	3/8	27.5	24.0	18.0	35.2
MAQ69-PS-12X6	12mm	3/8	30.5	27.0	18.0	42.2
MAQ69-PS-12X8	12mm	1/2	30.5	27.0	22.0	47.4

# METRIC PUSH-IN TUBE FITTINGS



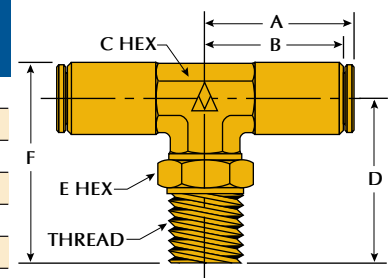
## MAQ71-PS SWIVEL MALE RUN TEE

PART NUMBER	TUBE O.D.	PIPE THREAD (BSPT)	A	B	C	D
MAQ71-PS-4X2	4mm	1/8	19.7	16.5	11.0	29.7
MAQ71-PS-4X4	4mm	1/4	19.7	16.5	14.0	34.7
MAQ71-PS-6X2	6mm	1/8	26.0	22.5	11.0	28.7
MAQ71-PS-6X4	6mm	1/4	26.0	22.5	14.0	33.7
MAQ71-PS-8X4	8mm	1/4	27.5	24.0	14.0	35.2
MAQ71-PS-8X6	8mm	3/8	27.5	24.0	18.0	35.2
MAQ71-PS-10X4	10mm	1/4	27.0	23.5	14.0	35.2
MAQ71-PS-10X6	10mm	3/8	27.0	23.5	18.0	35.2
MAQ71-PS-12X6	12mm	3/8	30.0	26.5	18.0	37.0
MAQ71-PS-12X8	12mm	1/2				



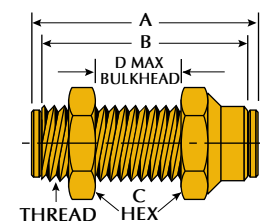
## MAQ72-PS SWIVEL MALE BRANCH TEE

PART NUMBER	TUBE O.D.	PIPE THREAD (BSPT)	A	B	C	D
MAQ72-PS-4X2	4mm	1/8	19.2	16.0	11.0	29.7
MAQ72-PS-4X4	4mm	1/4	19.2	16.0	14.0	34.7
MAQ72-PS-6X2	6mm	1/8	26.0	22.5	11.0	31.2
MAQ72-PS-6X4	6mm	1/4	26.0	22.5	14.0	36.2
MAQ72-PS-8X4	8mm	1/4	27.0	23.5	14.0	36.7
MAQ72-PS-8X6	8mm	3/8	27.0	23.5	18.0	36.7
MAQ72-PS-10X4	10mm	1/4	27.5	24.0	14.0	35.5
MAQ72-PS-10X6	10mm	3/8	27.5	24.0	18.0	37.5
MAQ72-PS-12X6	12mm	3/8	29.5	26.0	18.0	38.0
MAQ72-PS-12X8	12mm	1/2				



## MAQ82-P BULKHEAD UNION

PART NUMBER	TUBE O.D.	A	B	C	D	E THREAD
MAQ82-P-4	4mm	36.5	27.0	16.0	12.7	7/16-20
MAQ82-P-6	6mm	48.5	41.5	17.0	22.6	1/2-20
MAQ82-P-8	8mm	48.5	41.5	20.0	22.6	5/8-18
MAQ82-P-10	10mm	50.5	43.5	20.0	22.6	5/8-18
MAQ82-P-12	12mm	51.1	44.1	23.0	19.0	3/4-16

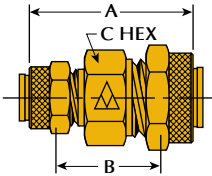


All dimensions are subject to change without notice.

## BRASS TUBE FITTINGS FOR PLASTIC TUBING

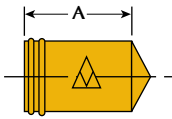
Interchangeable with Poly-Flo® and Poly-Tite®.  
Pre-applied Teflon® based pipe sealant on all male threads.

### AP56-P REDUCING UNION



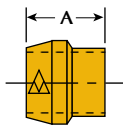
PART NUMBER	TUBE O.D.	A	B	C
AP56-P-6X4	3/8X1/4	1.187	.718	.500
AP56-P-8X6	1/2X3/8			

### AP59-P CAP



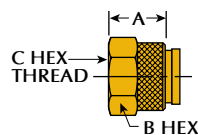
PART NUMBER	TUBE O.D.	A
AP59-P-4	1/4	.500
AP59-P-5	5/16	.531
AP59-P-6	3/8	.562
AP59-P-8	1/2	.593

### AP60-P PLASTIC SLEEVE



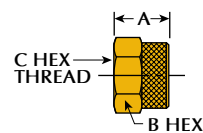
PART NUMBER	TUBE O.D.	A
AP60-P-4	1/4	.325
AP60-P-5	5/16	.347
AP60-P-6	3/8	.356
AP60-P-8	1/2	.409

### AP61-P NUT AND PLASTIC SLEEVE ASSEMBLY



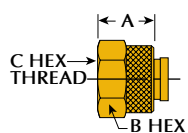
PART NUMBER	TUBE O.D.	A	B	C
AP61-P-4	1/4	.343	.437	3/8-24
AP61-P-5	5/16	.343	.500	7/16-24
AP61-P-6	3/8	.375	.562	1/2-24
AP61-P-8	1/2	.421	.812	1 1/16-20

### AP61-U NUT ONLY



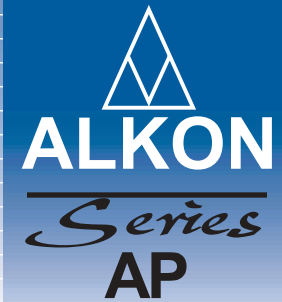
PART NUMBER	TUBE O.D.	A	B	C
AP61-U-4	1/4	.343	.437	3/8-24
AP61-U-5	5/16	.343	.500	7/16-24
AP61-U-6	3/8	.375	.562	1/2-24
AP61-U-8	1/2	.421	.812	1 1/16-20

### AP61-B UNIVERSAL NUT AND BRASS SLEEVE ASSEMBLY



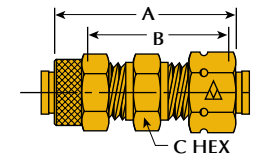
PART NUMBER	TUBE O.D.	A	B	C
AP61-B-2	1/8	.375	.375	5/16-24
AP61-B-3	3/16	.406	.437	3/8-24

# BRASS TUBE FITTINGS FOR PLASTIC TUBING



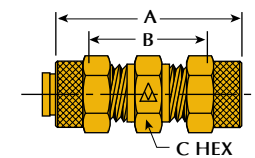
## AP62-C UNION TUBE – To compression

PART NUMBER	TUBE O.D.	A	B	C
AP62-C-4	1/4	1.250	.750	.437
AP62-C-5	5/16	1.281	.781	.500
AP62-C-6	3/8	1.406	.843	.562



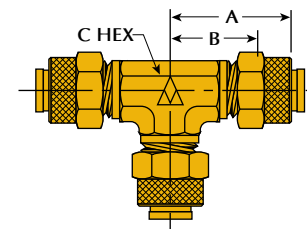
## AP62-P UNION

PART NUMBER	TUBE O.D.	A	B	C
AP62-P-2	1/8	1.156	.656	.312
AP62-P-3	3/16	1.250	.750	.375
AP62-P-4	1/4	1.125	.687	.375
AP62-P-5	5/16	1.156	.687	.437
AP62-P-6	3/8	1.218	.718	.500
AP62-P-8	1/2	1.343	.843	.687



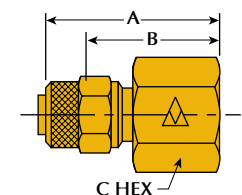
## AP64-P UNION TEE

PART NUMBER	TUBE O.D.	A	B	C
AP64-P-2	1/8	.875	.625	.312
AP64-P-3	3/16	.875	.625	.312
AP64-P-4	1/4	.843	.625	.375
AP64-P-5	5/16	.859	.625	.375
AP64-P-6	3/8	.906	.656	.437
AP64-P-8	1/2	1.062	.812	.625



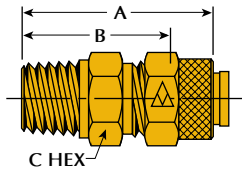
## AP66-P FEMALE CONNECTOR

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C
AP66-P-2X2	1/8	1/8	1.031	.750	.562
AP66-P-3X2	3/16	1/8	1.031	.781	.562
AP66-P-3X4	3/16	1/4	1.218	.968	.687
AP66-P-4X2	1/4	1/8	.968	.750	.500
AP66-P-4X4	1/4	1/4	1.156	.937	.625
AP66-P-4X6	1/4	3/8			
AP66-P-5X2	5/16	1/8	1.000	.750	.500
AP66-P-6X4	3/8	1/4	1.187	.937	.625
AP66-P-8X6	1/2	3/8	1.250	1.000	.812



## BRASS TUBE FITTINGS FOR PLASTIC TUBING

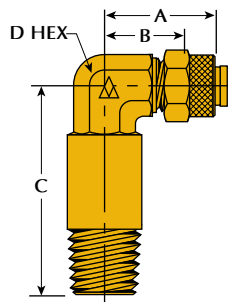
### AP68-P MALE CONNECTOR



PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C
AP68-P-2X0	1/8	10-32*	.843	.593	.375
AP68-P-2x2	1/8	1/8	1.078	.796	.347
AP68-P-3X2	3/16	1/8	1.109	.859	.437
AP68-P-4X0	1/4	10-32*	.968	.750	.375
AP68-P-4X2	1/4	1/8	1.031	.812	.437
AP68-P-4X4	1/4	1/4	1.188	1.000	.562
AP68-P-4X6	1/4	3/8	1.250	1.031	.687
AP68-P-5X2	5/16	1/8	1.046	.812	.437
AP68-P-5X4	5/16	1/4	1.234	1.000	.562
AP68-P-6X2	3/8	1/8	1.093	.843	.500
AP68-P-6X4	3/8	1/4	1.281	1.031	.562
AP68-P-6X6	3/8	3/8	1.281	1.031	.687
AP68-P-8X6	1/2	3/8	1.343	1.093	.687
AP68-P-8X8	1/2	1/2			

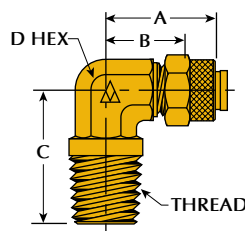
\*Furnished with gaskets.

### AP69-L EXTRA LONG MALE ELBOW



PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AP69-L-4X4	1/4	1/4	.906	.687	1.500	.437

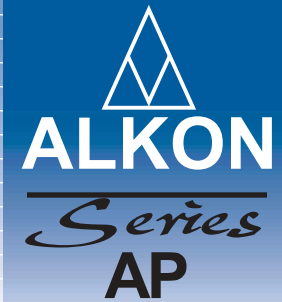
### AP69-P MALE ELBOW



PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AP69-P-2x2	1/8	1/8	.875	.625	.688	.312
AP69-P-3X2	3/16	1/8	.875	.625	.688	.375
AP69-P-4X2	1/4	1/8	.843	.625	.750	.375
AP69-P-4X4	1/4	1/4	.875	.656	.937	.375
AP69-P-4X6	1/4	3/8	.968	.750	1.031	.500
AP69-P-5X2	5/16	1/8	.859	.625	.750	.406
AP69-P-6X2	3/8	1/8	.875	.625	.750	.437
AP69-P-6X4	3/8	1/4	.968	.718	.937	.437
AP69-P-6X6	3/8	3/8	1.031	.781	1.031	.500
AP69-P-8X6	1/2	3/8	1.031	.781	1.156	.625
AP69-P-8X8	1/2	1/2				

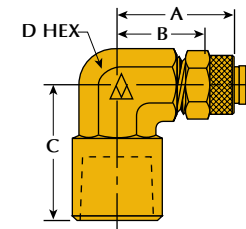


# BRASS TUBE FITTINGS FOR PLASTIC TUBING



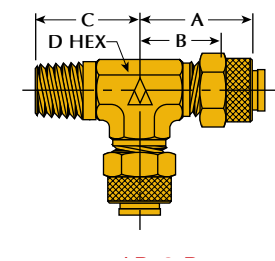
## AP70-P FEMALE ELBOW

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AP70-P-2X2	1/8	1/8	.968	.687	.546	.562
AP70-P-3X2	3/16	1/8	.968	.718	.546	.562
AP70-P-4X2	1/4	1/8	.906	.625	.750	.375
AP70-P-4X4	1/4	1/4	.937	.718	.875	.500
AP70-P-6X4	3/8	1/4	.968	.718	.875	.500
AP70-P-8X6	1/2	3/8	1.156	.906	.937	.625
AP70-P-8X8	1/2	1/2				



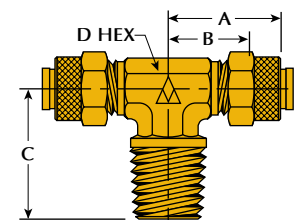
## AP71-P MALE RUN TEE

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AP71-P-2X2	1/8	1/8	.906	.625	.687	.312
AP71-P-3X2	3/16	1/8	.875	.625	.687	.312
AP71-P-4X2	1/4	1/8	.843	.625	.750	.375
AP71-P-4X4	1/4	1/4	.875	.656	.937	.375
AP71-P-5X2	5/16	1/8	.859	.625	.750	.375
AP71-P-6X4	3/8	1/4	.906	.656	.937	.437
AP71-P-8X6	1/2	3/8	1.062	.812	1.062	.625



## AP72-P MALE BRANCH TEE

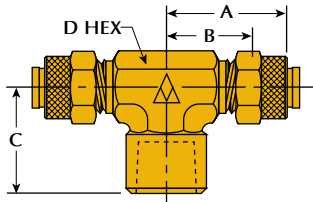
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AP72-P-2X2	1/8	1/8	.906	.625	.687	.312
AP72-P-3X2	3/16	1/8	.875	.625	.687	.312
AP72-P-4X2	1/4	1/8	.843	.625	.750	.375
AP72-P-4X4	1/4	1/4	.875	.656	.937	.375
AP72-P-5X2	5/16	1/8	.859	.625	.750	.375
AP72-P-6X2	3/8	1/8	.875	.625	.750	.438
AP72-P-6X4	3/8	1/4	.906	.656	.937	.438
AP72-P-8X6	1/2	3/8	1.062	.813	1.062	.625



All dimensions are subject to change without notice.

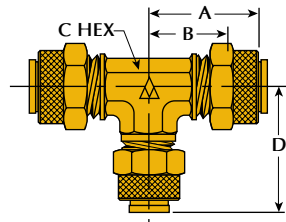
## BRASS TUBE FITTINGS FOR PLASTIC TUBING

### AP77-P FEMALE BRANCH TEE



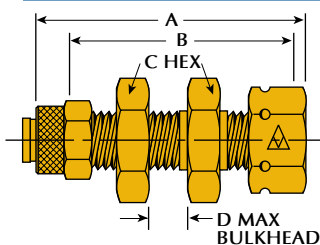
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AP77-P-4X2	1/4	1/8	.875	.656	.937	.375
AP77-P-4X4	1/4	1/4	1.078	.844	1.156	.562
AP77-P-4X6	1/4	3/8	1.078	.848	1.250	.562

### AP79-P UNION REDUCING TEE REDUCING ON BRANCH



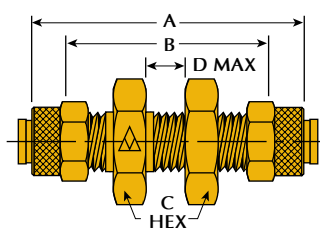
PART NUMBER	TUBE O.D.	A	B	C
AP79-P-6X4	3/8 X 3/8 X 1/4	.968	.718	.438

### AP82-C BULKHEAD UNION – To standard compression



PART NUMBER	TUBE O.D.	A	B	C	D
AP82-C-4	1/4	1.796	1.312	.562	.375
AP82-C-6	3/8	2.000	1.437	.687	.375

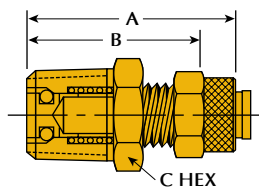
### AP82-P BULKHEAD UNION



PART NUMBER	TUBE O.D.	A	B	C	D
AP82-P-4	1/4	1.687	1.250	.562	.312
AP82-P-5	5/16	1.718	1.250	.625	.312
AP82-P-6	3/8	1.812	1.312	.687	.375
AP82-P-8	1/2	2.062	1.562	.875	.375

### AP92-P QUICK DISCONNECT FITTING

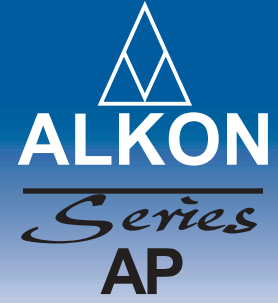
When tube is disconnected, flow shuts off automatically.



PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C
AP92-P-4X2	1/4	1/8	1.093	.875	.437
AP92-P-4X4	1/4	1/4	1.281	1.062	.562
AP92-P-5X2	5/16	1/8	1.109	.875	.437
AP92-P-6X4	3/8	1/4	1.343	1.093	.562

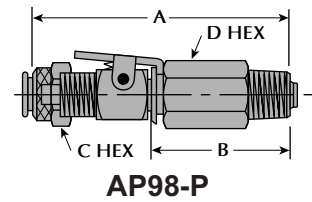
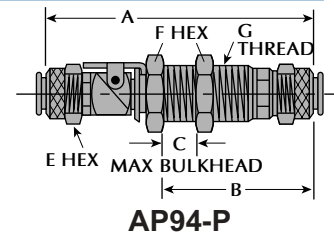
# QUICK DISCONNECT COUPLERS

Single and Double End Shut-Off types.



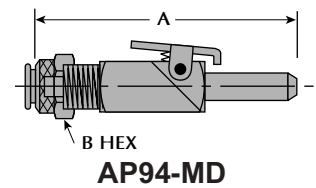
## SINGLE END SHUT-OFF TYPE CHROME PLATED BRASS

	PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F	G THREAD
AP94-P Couplers "AP to AP"	AP94-P-4	1/4		3.000	1.718	.812		.437	.625	1/2-24
	AP94-P-6	3/8		3.562	1.921	.937		.562	.812	11/16-24
AP98-P Couplers "AP" to Male P.T.	AP98-P-4X2	1/4	1/8	2.312	1.281	.437	.500			
	AP98-P-4X4	1/4	1/4	2.312	1.281	.437	.562			
	AP98-P-6X4	3/8	1/4	2.625	1.421	.562	.625			



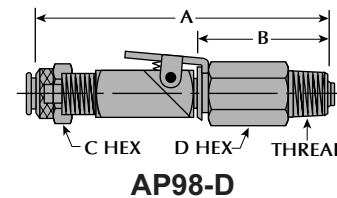
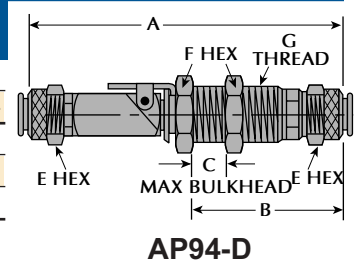
## DOUBLE END SHUT-OFF TYPE INSERT ONLY CHROME PLATED BRASS

	PART NUMBER	TUBE O.D.	USED WITH	A	B
With "AP" Connection	AP94-MD-4	1/4	AP98-T-4X2	2.402	.437
			AP98-T-4X4		
	AP94-MD-6	3/8	AP98-T-6X4	2.460	.562



## DOUBLE END SHUT-OFF TYPE CHROME PLATED BRASS

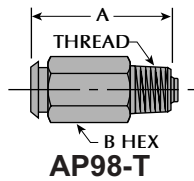
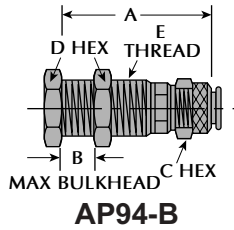
	PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F	G THREAD
AP94-D Couplers "AP to AP"	AP94-D-4	1/4		3.672	1.790	.880		.437	.625	1/2-24
	AP94-D-6	3/8		3.823	1.965	.944		.562	.812	11/16-24
AP98-D Couplers "AP" to Male P.T.	AP98-D-4X2	1/4	1/8	2.888	1.281	.437	.500			
	AP98-D-4X4	1/4	1/4	2.910	1.270	.437	.562			
	AP98-D-6X4	3/8	1/4	3.015	1.400	.562	.625			



All dimensions are subject to change without notice.

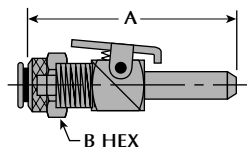
## QUICK DISCONNECT COUPLERS

### SINGLE END OR DOUBLE END SHUT-OFF TYPE BODY ONLY CHROME PLATED BRASS



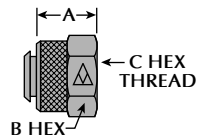
	PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E THREAD
With "AP" Connection	AP94-B-4	1/4		1.790	.625	.437	.625	1/2-24
	AP94-B-6	3/8		1.965	.812	.562	.812	11/16-24
With Male P.T. Connection	AP98-T-4X2	1/4	1/8	1.281	.500			
	AP98-T-4X4	1/4	1/4	1.270	.562			
	AP98-T-6X4	3/8	1/4	1.400	.625			

### SINGLE END SHUT-OFF TYPE INSERT ONLY CHROME PLATED BRASS



	PART NUMBER	TUBE O.D.	USED WITH	A	B
With "AP" Connection	AP94-M-4	1/4	AP98-T-4X2	1.693	.437
			AP98-T-4X4		
	AP94-M-6	3/8	AP98-T-6X4	1.925	.562

### APC61-P NUT AND PLASTIC SLEEVE ASSEMBLY – CHROME PLATED



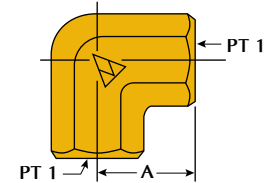
PART NUMBER	TUBE O.D.	A	B	C
APC61-P-4	1/4	.343	.437	3/8-24
APC61-P-6	3/8	.375	.562	1/2-24

# BRASS PIPE FITTINGS

- Working Pressure: 3,000 Maximum - 1,000 Nominal
- Dryseal Threads
- Shapes: brass, forged SAE CA377 or equal, Straights: brass, SAE CA360 or equal
- Meets all SAE brass pipe fitting standards

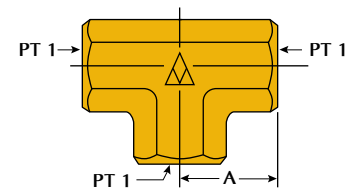
## 100A 90° UNION ELBOW

PART NUMBER	PT 1	MIN. ORIFICE SIZE	A
100A-2x2	1/8	.328	.546
100A-4x4	1/4	.422	.781
100A-6x6	3/8	.562	.812
100A-8x8	1/2	.687	1.015



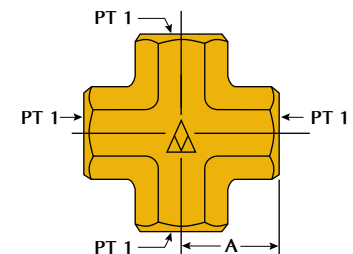
## 101A UNION TEE

PART NUMBER	PT 1	MIN. ORIFICE SIZE	A
101A-2x2	1/8	.328	.546
101A-4x4	1/4	.422	.719
101A-6x6	3/8	.562	.840
101A-8x8	1/2	.687	1.230



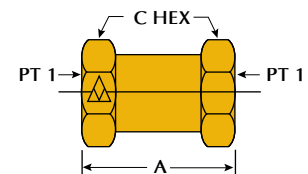
## 102A CROSS

PART NUMBER	PT 1	MIN. ORIFICE SIZE	A
102A-2	1/8	.328	.546
102A-4	1/4	.422	.781
102A-6	3/8	.562	.840
102A-8	1/2	.687	1.090



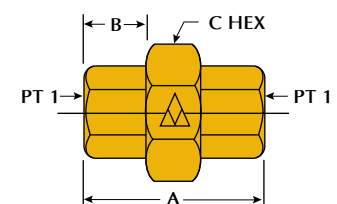
## 103A COUPLING

PART NUMBER	PT 1	A	C HEX
103A-2	1/8	.750	.562
103A-4	1/4	1.120	.750
103A-6	3/8	1.125	.875
103A-8	1/2	1.500	1.062



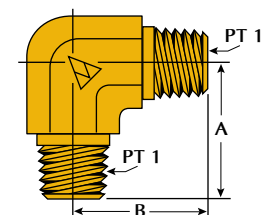
## 104A UNION

PART NUMBER	PT 1	MIN. ORIFICE SIZE	A	B	C HEX
104A-4	1/4	.437	1.468	.687	1.062
104A-6	3/8	.562	1.625	.875	1.312



## 106A FORGED MALE ELBOW

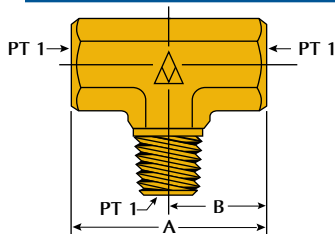
PART NUMBER	PT 1	A	C HEX
106A-2	1/8		
106A-4	1/4		
106A-6	3/8		
106A-8	1/2		



All dimensions are subject to change without notice.

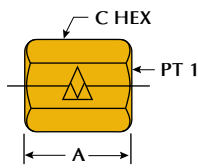
## BRASS PIPE FITTINGS

### 107A BRANCH TEE



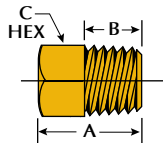
PART NUMBER	PT 1	A	B
107A-2	1/8	.620	.310
107A-4	1/4	1.500	.350
107A-6	3/8	1.600	.800

### 108A CAP



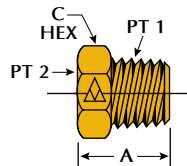
PART NUMBER	PT 1	A	C HEX
108A-2	1/8	.500	.563
108A-4	1/4	.750	.750
108A-6	3/8	.875	.875
108A-8	1/2	1.063	1.063

### 109A SQUARE-HEAD PLUG



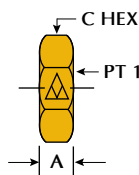
PART NUMBER	PT 1	A	B	C HEX
109A-2	1/8	.609	.340	.281
109A-4	1/4	.813	.500	.375
109A-6	3/8	.844	.500	.438
109A-8	1/2	1.078	.678	.563

### 110A BUSHING



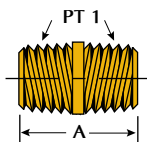
PART NUMBER	PT 1	PT 2	MIN. ORIFICE SIZE	A	C HEX
110A-4X2	1/4	1/8	.312	.750	.562
110A-6X2	3/8	1/8	.328	.750	.688
110A-6X4	3/8	1/4	.422	.750	.750
110A-8X2	1/2	1/8	.328	1.000	.875
110A-8X4	1/2	1/4	.422	1.000	.875
110A-8X6	1/2	3/8	.562	1.000	.875
110A-12X4					
110A-12X6	3/4	3/8	.562	1.000	1.125

### 111A LOCK NUT



PART NUMBER	PT 1	A	C HEX
111A-2	1/8	.187	.625
111A-4	1/4	.250	.687
111A-6	3/8	.250	.937
111A-8	1/2	.250	1.125

### 112A CLOSE NIPPLE



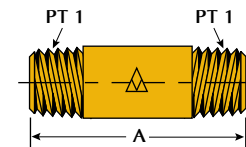
PART NUMBER	PT 1	MIN. ORIFICE SIZE	A
112A-2	1/8	.265	.750
112A-4	1/4	.358	1.125
112A-6	3/8	.422	1.125
112A-8	1/2	.531	1.500
112A-12	3/4		1.310

# BRASS PIPE FITTINGS



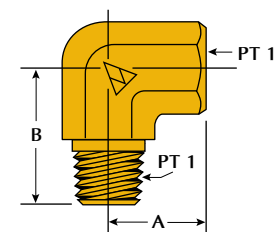
## 113A LONG NIPPLE

PART NUMBER	PT 1	MIN. ORIFICE SIZE	A
113A-2X24	1/8	.265	1.500
113A-2X32	1/8	.265	2.000
113A-2X40	1/8	.281	2.500
113A-2X48	1/8	.281	3.000
113A-2X56	1/8	.281	3.500
113A-4X24	1/4	.358	1.500
113A-4X32	1/4	.375	2.000
113A-4X40	1/4	.375	2.500
113A-4X48	1/4	.375	3.000
113A-4X56	1/4	.375	3.500
113A-6X24	3/8	.500	1.500
113A-6X32	3/8	.500	2.000
113A-6X40	3/8	.500	2.500
113A-6X48	3/8	.500	3.000
113A-6X56	3/8	.500	3.500
113A-8X24	1/2	.625	1.500
113A-8X32	1/2	.625	2.000
113A-8X40	1/2	.625	2.500
113A-8X48	1/2	.625	3.000
113A-8X56	1/2	.625	3.500



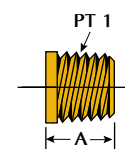
## 116A 90° STREET ELBOW

PART NUMBER	PT 1	MIN. ORIFICE SIZE	A	B
116A-2X2	1/8	.187	.546	.812
116A-4X2	1/4	.312	.718	1.031
116A-4X4	1/4	.312	.718	1.031
116A-6X6	3/8	.437	.718	1.187
116A-8X8	1/2	.562	1.171	1.437



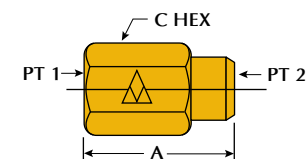
## 117A SLOTTED HEAD PLUG

PART NUMBER	PT 1	A
117A-2	1/8	.312
117A-4	1/4	.469



## 119A REDUCING BUSHING

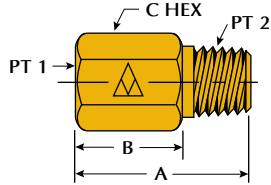
PART NUMBER	PT 1	PT 2	A	C HEX
119A-4X2	1/4	1/8	.970	.750
119A-6X4	3/8	1/4	1.160	.875
119A-8X4	1/2	1/4	1.190	.937
119A-8X6	1/2	3/8	1.375	1.062
119A-12X8	3/4	3/8	1.190	1.125



All dimensions are subject to change without notice.

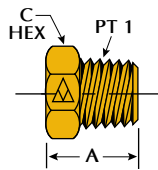
## BRASS PIPE FITTINGS

### 120A ADAPTER



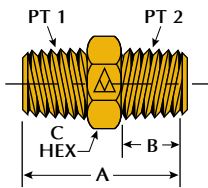
PART NUMBER	PT 1	PT 2	MIN. ORIFICE SIZE	A	B	C HEX
120A-2X2	1/8	1/8	.191	.906	.531	.500
120A-4X2	1/4	1/8	.219	1.063	.688	.750
120A-4X4	1/4	1/4	.312	1.250	.688	.750
120A-6X2	3/8	1/8		1.000		.750
120A-6X4	3/8	1/4	.312	1.250	.688	.875
120A-6X6	3/8	3/8		1.120		.812
120A-8X6	1/2	3/8	.406	1.469	.906	1.062
120A-8X8	1/2	1/2				

### 121A HEX-HEAD PLUG



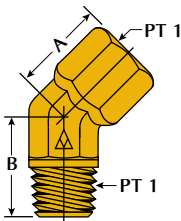
PART NUMBER	PT 1	A	C HEX
121A-2	1/8	.531	.437
121A-4	1/4	.750	.562
121A-6	3/8	.781	.562
121A-8	1/2	.969	.750
121A-12	3/4	1.062	.750

### 122A HEX NIPPLE



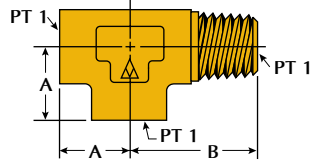
PART NUMBER	PT 1	PT 2	MIN. ORIFICE SIZE	A	B	C HEX
122A-2X2	1/8	1/8	.187	.906	.375	.437
122A-4X2	1/4	1/8				
122A-4X4	1/4	1/4	.312	1.375	.562	.562
122A-6X4	3/8	1/4				
122A-6X6	3/8	3/8	.437	1.406	.562	.687
112A-8X4	1/2	1/4				
112A-8X6	1/2	3/8				
122A-8X8	1/2	1/2	.562	1.812	.750	.875

### 124A 45° STREET ELBOW



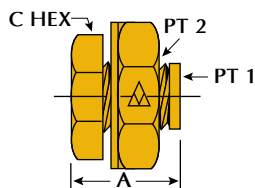
PART NUMBER	PT 1	MIN. ORIFICE SIZE	A	B
124A-2X2	1/8	.218	.750	.687
124A-4X4	1/4	.312	.875	.781
124A-6X6	3/8	.406	1.000	.875
124A-8X8	1/2	.500	1.125	1.218

### 127A STREET TEE



PART NUMBER	PT 1	MIN. ORIFICE SIZE	A	B
127A-2	1/8	.187	.750	.750
127A-4	1/4	.312	.781	1.156
127A-6	3/8		.840	1.030
127A-8	1/2		1.160	1.160

### 129A BULKHEAD ADAPTER



PART NUMBER	PT 1	PT 2	MIN. ORIFICE SIZE	A	C HEX
129A-2X24	1/8	5/8-18	.328	1 <sup>11</sup> / <sub>42</sub>	.875
129A-4X15	1/4	3/4-16	.421	5 <sup>1</sup> / <sub>416</sub>	1.000
129A-4X24	1/4	3/4-16	.421	1 <sup>11</sup> / <sub>42</sub>	1.000
129A-6X21	3/8	1-14	.562	1 <sup>5</sup> / <sub>416</sub>	1.125
129A-8X24	1/2	1 <sup>11</sup> / <sub>48</sub> -14	.687	1 <sup>11</sup> / <sub>42</sub>	1.250



## ANGLE FLOW CONTROLS, IN-LINE FLOW CONTROLS, NEEDLE & CHECK VALVES



A complete selection of flow control, needle and check valves in a variety of sizes to meet all of your requirements. Choose from our Right Angle Flow Controls with built in Series AQ push-in fittings or female NPT threads with either a slot adjustment or knob; or our complete line of in-line products featuring our patented four stage tapered needle for fine adjustment.

### **ANGLE FLOW CONTROLS**

The new Angle Flow Controls provide accurate flow control on a compact, labor saving package. Features like built-in Push-In Fittings, Pre-Applied Thread Sealant and Swivel Design add up to a package that will save time, money and labor when accurate control is needed on pneumatic actuators.

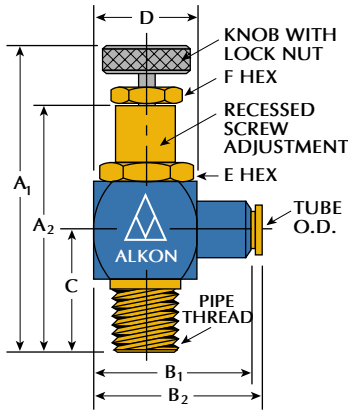
### **IN-LINE FLOW CONTROLS, NEEDLE AND CHECK VALVES**

The In-Line Series J offer substantially higher flow than any other comparative valve in their size or pressure range. The dual tapered needle provides the highest flow coupled with the most sensitive adjustment from full open to full closed. All brass one piece forgings, 2 PSI cracking pressure and the availability of options like Viton seals, SAE threads, metric threads or nickel plating make these valves *THE* choice when reliability is key.



# ANGLE FLOW CONTROLS, IN-LINE FLOW CONTROLS, NEEDLE & CHECK VALVES

## ANGLE FLOW CONTROL WITH SERIES "AQ" TUBE CONNECTIONS



PART NUMBER	TUBE O.D.	PIPE THREAD	A <sub>1</sub>	A <sub>2</sub>	B <sub>1</sub>	B <sub>2</sub>	C	D	E	F
JAQ-5/32X2	5/32	1/8 NPT	2.48	1.70	1.28	1.41	.75	.63	9/16	1/2
JAQ-4X2	1/4	1/8 NPT	2.48	1.70	1.41	1.55	.75	.63	9/16	1/2
JAQ-4X4	1/4	1/4 NPT	2.61	1.81	1.38	1.52	1.06	.75	5/8	1/2
JAQ-6X4	3/8	1/4 NPT	2.61	1.81	1.38	1.70	1.06	.75	5/8	1/2
JAQ-6X6	3/8	3/8 NPT	2.83	2.19	1.56	2.07	1.16	.88	7/8	1/2
JAQ-8X8	1/2	1/2 NPT	3.72	2.83	1.88	2.07	1.44	1.13	1	1/2

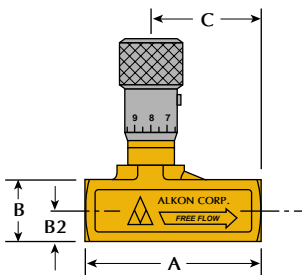
## ANGLE FLOW CONTROL WITH FEMALE PIPE THREADS

PART NUMBER	TUBE O.D.	PIPE THREAD	A <sub>1</sub>	A <sub>2</sub>	B <sub>1</sub>	C	D	E	F
JPT-2X2	1/8 NPT	1/8 NPT	2.48	1.70	1.28	.75	.63	9/16	1/2
JPT-4X2	1/4 NPT	1/8 NPT	2.48	1.70	1.41	.75	.63	9/16	1/2
JPT-4X4	1/4 NPT	1/4 NPT	2.61	1.81	1.38	1.06	.75	5/8	1/2
JPT-6X4	3/8 NPT	1/4 NPT	2.61	1.81	1.38	1.06	.75	5/8	1/2
JPT-6X6	3/8 NPT	3/8 NPT	2.83	2.19	1.56	1.16	.88	7/8	1/2
JPT-8X8	1/2 NPT	1/2 NPT	3.72	2.83	1.88	1.44	1.13	1	1/2

### KNURLED ALUMINUM KNOB:

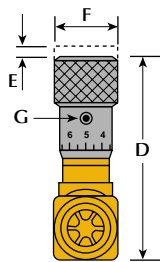
Add "K" after first three letters of the part number "JAQK" or "JPTK".

## FLOW CONTROL VALVE



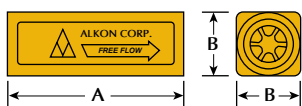
MODEL NO.		VALVE DIMENSIONS, INCHES										C <sub>v</sub> FACTOR		APPROX. WEIGHT
BRASS BODY	NICKEL PLATED	PIPE SIZE NPTF	A	B	C	D	E	F	G HEX SIZE	CHECK VALVE ORIFICE	NEEDLE VALVE ORIFICE	CHECK VALVE	NEEDLE FULL OPEN	
JF1	JF1N	1/8	1.468	.562	.913	1.803	.250	.687	3/32	.602	.125	.60	.30	.19
JF2	JF2N	1/4	1.937	.687	1.232	2.000	.250	.687	3/32	.281	.187	1.30	.60	.28
JF3	JF3N	3/8	2.312	.875	1.545	2.531	.300	.937	3/32	.421	.250	2.85	1.08	.54
JF4	JF4N	1/2	3.250	1.187	2.117	3.218	.375	1.250	3/32	.515	.375	4.96	1.75	1.75
-	JF6N	3/4	4.000	1.750	2.625	3.906	.375	1.250	3/32	.718	.500	9.00	3.20	2.32
-	JF8N	1	4.000	1.750	2.635	3.906	.375	1.250	3.32	.718	.500	9.20	3.20	2.20

## IN-LINE NEEDLE VALVE



MODEL NO.		VALVE DIMENSIONS, INCHES									C <sub>v</sub> FACTOR	
BRASS BODY	NICKEL PLATED	PIPE SIZE NPTF	A	B	C	D	E	F	G HEX SIZE	ORIFICE	NEEDLE FULL OPEN	
JN1	JN1N	1/8	1.468	.562	.913	1.803	.250	.687	3/32	.125	.30	
JN2	JN2N	1/4	1.937	.687	1.232	2.000	.250	.687	3/32	.187	.60	
JN3	JN3N	3/8	2.312	.875	1.545	2.531	.300	.937	3/32	.250	1.08	
JN4	JN4N	1/2	3.250	1.187	2.117	3.218	.375	1.250	3/32	.375	1.75	
-	JN6N	3/4	4.000	1.750	2.625	3.906	.375	1.250	3/32	.500	3.20	
-	JN8N	1	4.000	1.750	2.635	3.906	.375	1.250	3.32	.500	3.20	

## IN-LINE CHECK VALVE



MODEL NO.		VALVE DIMENSIONS, INCHES				C <sub>v</sub> FACTOR	
BRASS BODY	NICKEL PLATED	PIPE SIZE NPTF	A	B	ORIFICE	NEEDLE FULL OPEN	
JC1	JC1N	1/8	1.468	.562	.206	.64	
JC2	JC2N	1/4	1.937	.687	.281	1.35	
JC3	JC3N	3/8	2.312	.875	.421	3.22	
JC4	JC4N	1/2	3.250	1.187	.515	4.96	
-	JC6N	3/4	4.000	1.750	.718	9.00	
-	JC8N	1	4.000	1.750	.718	9.20	

All dimensions are subject to change without notice.

# PLASTIC TUBING & ACCESSORIES

## PLASTIC TUBING

PART NUMBER & OUTSIDE DIAMETER	TUBE O.D.	WALL THICKNESS	MINIMUM BEND RADIUS	BURST PRESSURE PSI @ 75°F		
<b>POLYETHYLENE TUBING</b>						
AP22	1/8	.020	1/2	500	<ul style="list-style-type: none"> <li>• Temperature range -40° F to +135° F</li> <li>• FDA approved</li> </ul>	
AP5/32	5/32	.025	5/8	500		
AP33	3/16	.030	3/4	500		
AP44	1/4	.040	1	400		
AP55	5/16	.062	1-1/8	600		
AP66	3/8	.062	1-1/4	350		
AP88	1/2	.062	2-1/2	250		
<b>POLYURETHANE TUBING</b>						
PUR22	1/8	.031	5/16	580	<ul style="list-style-type: none"> <li>• Temperature range -40° F to +180° F</li> <li>• FDA approved</li> <li>• Highly flexible</li> </ul>	
PUR5/32	5/32	.031	7/16	360		
PUR33	3/16	.062	5/8	320		
PUR44	1/4	.045	5/8	370		
PUR44H	1/4	.062	5/8	400		
PUR66	3/8	.062	1-1/4	380		
PUR88	1/2	.062	1-7/8	220		
<b>NYLON 12 TUBING</b>						
NY22	1/8	.016	1/2	1000	<ul style="list-style-type: none"> <li>• Temperature range -40° F to +225° F</li> <li>• Dimensionally stable</li> <li>• High burst strength</li> </ul>	
NY5/32	5/32	.025	5/8	1000		
NY33	3/16	.031	5/8	1000		
NY44	1/4	.035	1	1000		
NY66	3/8	.050	1-3/4	1000		
NY88	1/2	.062	2-3/8	1000		
<b>METRIC NYLON 12 TUBING – Packaged 25 meters per package (82ft.)</b>						
MNY4	4 mm	.65 mm	14 mm	1000		
MNY6	6 mm	1.0 mm	21 mm	1000		
MNY8	8 mm	1.0 mm	28 mm	1000		
MNY10	10 mm	1.25 mm	35 mm	1000		
MNY12	12 mm	1.25 mm	45 mm	1000		

## HOW TO ORDER TUBING – FOUR EASY STEPS

TUBE TYPE	and	OUTSIDE DIAMETER	–	COLOR	–	LENGTH
AP – POLYETHYLENE		22 – 1/8"		N – NATURAL		ALL SIZES EXCEPT 1/2" OD
PUR – POLYURETHANE		5/32 – 5/32"		BL – BLACK		
NY – NYLON 12 - INCH "O.D."		33 – 3/16"		B – BLUE		100 – 100'
MNY – NYLON 12 - MM "O.D."		44 – 1/4"		R – RED		500 – 500'
		55 – 5/16"		GN – GREEN		1000 – 1000'
		66 – 3/8"		GR – GRAY		
		88 – 1/2"		O – ORANGE		1/2" OD
		4 – 4 mm*		Y – YELLOW		50 – 50'
		6 – 6 mm*		W – WHITE		100 – 100'
		8 – 8 mm*				250 – 250'
		10 – 10 mm*				

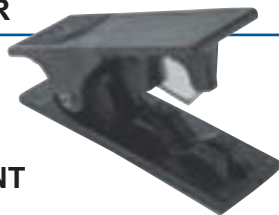
\*Type "MNY" only.

NOTE: 50' and 100' lengths come in handy feed-out boxes – all other lengths on reels.

EXAMPLE: AP66-BL : POLYETHYLENE – 3/8" OD – BLACK – 500' REEL

## TUBE CUTTER

Part No. AP-TC

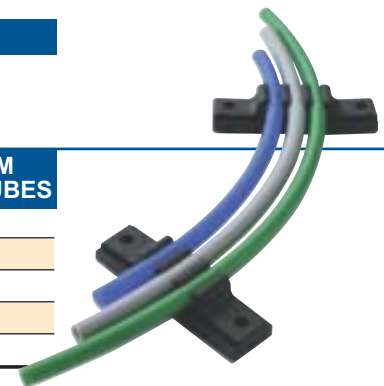


## REPLACEMENT BLADES

Part No. AP-TC BLADE

## TUBE RACKS

PART NUMBER	TUBE SIZE	MAXIMUM NUMBER TUBES
AP02-P-4	1/4	2
AP03-P-4	1/4	3
AP10-P-4	1/4	10
AP07-P-6	3/8	7
AP05-P-8	1/2	5



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**FITTINGS AND VALVES MANUFACTURING PLANT  
LOCATED IN FREMONT, OHIO**



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