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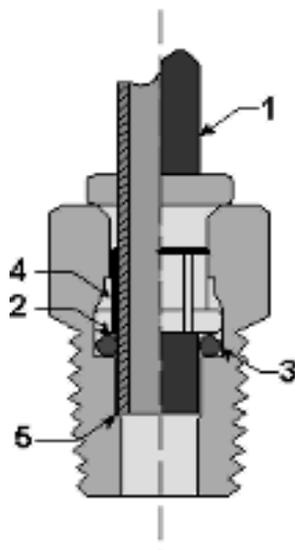
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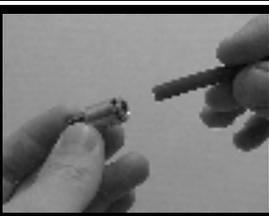
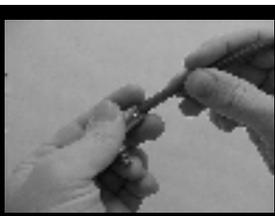
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# HOW TO USE THE ALKON PUSH IN FITTING



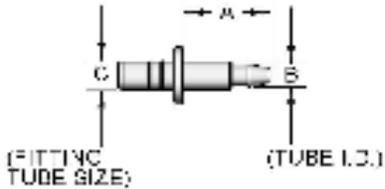
When tubing (1) is inserted into the fitting, it first passes through the gripping teeth (2). Just beyond the gripping teeth is the O-ring (3) which provides the leak proof seal against the O.D. of the tube. The gripping teeth grab the tube, which expands the insert. Pulling back on the tube only tightens 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.

<p><b>To connect tube :</b></p>		<p><b>To disconnect tube :</b></p>	
<p><b>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.</b></p>		<p><b>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.</b></p>	

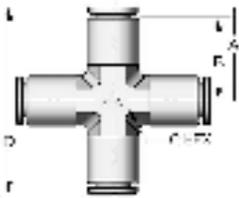
ENGINEERING AND DESIGN FEATURES	
<b>QUICK CONNECT</b>	Simply push tubing. No tools. Saves up to 75 % of assembly time of standard compression fittings.
<b>QUICK DISCONNECT</b>	Hold two fingers on insert and pull tubing out, no tools required.
<b>REUSABLE</b>	Connect and disconnect numerous times.
<b>FULL FLOW DESIGN</b>	Provides up to 60 % more flow than other conventional fittings with internal tube supports.
<b>POSITIVE SEAL</b>	No leaks. After tubing is inserted seal is made.
<b>VERSATILE</b>	Buna-N "O" rings, standard. For other materials consult factory.
<b>SECURE TUBE RETENTION</b>	Pulling on tubing only serves to tighten the connection.
<b>SELF CONTAINED ASSEMBLY</b>	No loose parts, brass body and insert.
<b>FULL LINE</b>	Wide variety of styles and sizes.
<b>BRASS &amp; PLASTIC FITTINGS</b>	Your selection of a full brass built fitting or plastic fitting.
<b>CHOICES</b>	Convenient swivel, or economical stationary elbows and tees.
<b>METRIC SIZES AVAILABLE</b>	A wide variety of shaped and straight fittings, from 4 MM to 12 MM O.D.
<b>PRESSURE</b>	Fitting works up to the max working pressure of tubing used.
<b>TEMPERATURE RANGE</b>	-10 ° F to 200 ° F (other ranges available upon request). DOT -40 ° F to 212 ° F
<b>PIPE THREAD</b>	Male NPTF with thread sealant pre applied, except Series 100, AP and 60.
<b>CAD DATA</b>	Available upon request.



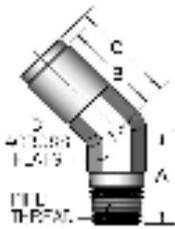
**SERIES AQ - Brass Push-In Fittings**



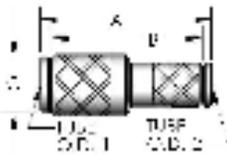
<b>AQ34/32 BARB ADAPTER</b>			
PART	A	B	C
AQ34-B-1	0.50	0.09	0.250
AQ34-B-2	0.50	0.20	0.250
AQ32-B-1	0.23	0.09	0.125



<b>AQ52-P UNION CROSS</b>					
PART	TUBE O.D.	A	B	C	D
AQ52-P-2	1/8	0.73	0.65	5/16	1.46
AQ52-P-5/32	5/32	0.76	0.68	5/16	1.52
AQ52-P-4	1/4	1.03	0.95	3/8	2.06
AQ52-P-6	3/8	1.06	0.98	1/2	2.12
AQ52-P-8	1/2	1.23	1.15	5/8	2.46



<b>AQ54-P 45° MALE ELBOW</b>						
PART	TUBE O.D.	PIPE	A	B	C	D
AQ54-P-4X2	1/4	1/8	0.83	0.89	0.97	3/8
AQ54-P-4X4	1/4	1/4	0.91	0.89	0.97	3/8
AQ54-P-6X2	3/8	1/8	0.75	0.89	0.97	1/2
AQ54-P-6X4	3/8	1/4	0.95	0.98	1.06	1/2
AQ54-P-6X6	3/8	3/8	0.89	0.98	1.06	1/2
AQ54-P-8X4	1/2	1/4	1.00	1.24	1.32	5/8
AQ54-P-8X6	1/2	3/8	1.05	1.10	1.18	5/8
AQ54-P-8X8	1/2	1/2	1.20	1.10	1.18	5/8



<b>AQ56-P TUBE TO TUBE UNION REDUCER</b>					
PART	TUBE O.D.1	TUBE O.D.2	A	B	C
AQ56-P-4X5/32	1/4	5/32	1.41	1.25	7/16
AQ56-P-6X4	3/8	1/4	1.62	1.46	5/8

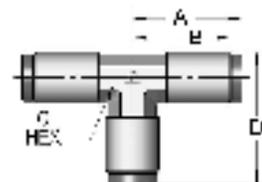


<b>AQ59-P PLUG</b>			
PART	A	B	C
AQ59-P-2	1/8	1.12	0.35
AQ59-P-5/32	5/32	1.16	0.32
AQ59-P-4	1/4	1.40	0.43
AQ59-P-6	3/8	1.40	0.55
AQ59-P-8	1/2	1.50	0.70

AQ62-P UNION CONNECTOR					
PART	TUBE O.D.	A	B	C	
AQ62-P-2	1/8	1.23	1.07	0.38	
AQ62-P-5/32	5/32	1.23	1.07	0.38	
AQ62-P-4	1/4	1.66	1.50	0.44	
AQ62-P-6	3/8	1.84	1.62	0.69	
AQ62-P-8	1/2	1.98	1.82	0.81	



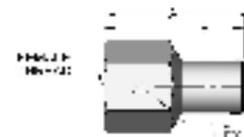
AQ64-P UNION TEE						
PART	TUBE O.D.	A	B	C	D	
AQ64-P-2	1/8	0.73	0.65	5/16	0.90	
AQ64-P-5/32	5/32	0.75	0.67	5/16	0.93	
AQ64-P-3	3/16	0.83	0.75	3/8	1.08	
AQ64-P-4	1/4	1.00	0.92	3/8	1.24	
AQ64-P-6	3/8	1.06	0.98	1/2	1.37	
AQ64-P-8	1/2	1.24	1.16	5/8	1.62	



AQ65-P UNION ELBOW						
PART	TUBE O.D.	A	B	C	D	
AQ65-P-2	1/8	0.73	0.65	5/16	0.91	
AQ65-P-5/32	5/32	0.75	0.67	5/16	0.93	
AQ65-P-4	1/4	0.95	0.87	3/8	1.21	
AQ65-P-6	3/8	1.05	0.97	1/2	1.35	
AQ65-P-8	1/2	1.23	1.15	5/8	1.60	

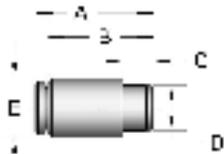


AQ66-P FEMALE CONNECTOR						
PART	O.D.	PIPE	A	B	C	
AQ66-P-2X2	1/8	1/8	1.04	0.96	9/16	
AQ66-P-5/32X2	5/32	1/8	1.08	1.00	9/16	
AQ66-P-4X2	1/4	1/8	1.31	1.23	9/16	
AQ66-P-4X4	1/4	1/4	1.50	1.42	3/4	
AQ66-P-6X4	3/8	1/4	1.40	1.32	3/4	
AQ66-P-6X6	3/8	3/8	1.39	1.31	7/8	
AQ66-P-8X8	1/2	1/2	1.83	1.75	1 1/8	

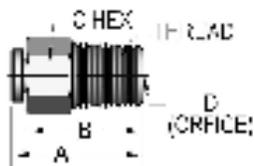




**SERIES AQ - Brass Push-In Fittings**

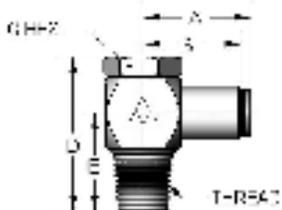


AQ688-P PRESS-IN CARTRIDGE								
PART NUMBER	TUBE	O.D.	PRESS IN CAV. SIZE	A	B	C	D	E
AQ688-P-2X00	1/8		0.296 +- .001	0.67	0.59	0.20	0.30	0.38
AQ688-P-5/32X00	5/32		0.296 +- .001	0.67	0.59	0.20	0.30	0.38
AQ688-P-3X00	3/16		0.296 +- .001	0.77	0.69	.20	.30	0.44
AQ688-P-4X00	1/4		0.3740 + .0015 - .0000	0.93	0.85	.26	.38	0.50
AQ688-P-6X00	3/8		0.3740 + .0015 - .0000	1.21	1.13	.26	.38	0.63



AQ68-P MALE CONNECTOR							
PART NUMBER	TUBE	O.D.	PIPE THREAD	A	B	C	D
AQ68-P-2X0	1/8		10-32*	0.77	0.69	3/8	0.09
AQ68-P-2X1	1/8		1/16	0.76	0.68	3/8	0.11
AQ68-P-2X2	1/8		1/8	0.69	0.61	7/16	0.11
AQ68-P-5/32X0	5/32		10-32*	0.75	0.67	3/8	0.09
AQ68-P-5/32X2	5/32		1/8	0.75	0.67	7/16	0.13
AQ68-P-5/32X4	5/32		1/4	0.93	0.85	9/16	0.14
AQ68-P-3X0	3/16		10-32*	0.88	0.8	3/8	0.09
AQ68-P-3X2	3/16		1/8	1.01	0.93	7/16	0.16
AQ68-P-4X0	1/4		10-32*	0.95	0.87	7/16	0.09
AQ68-P-4X1	1/4		1/16	1.00	0.92	7/16	0.14
AQ68-P-4X2	1/4		1/8	1.01	0.93	7/16	0.19
AQ68-P-4X4	1/4		1/4	1.01	0.93	9/16	0.19
AQ68-P-4X6	1/4		3/8	1.02	0.94	11/16	0.19
AQ68-P-6X2	3/8		1/8	1.18	1.10	11/16	0.19
AQ68-P-6X4	3/8		1/4	1.19	1.11	11/16	0.31
AQ68-P-6X6	3/8		3/8	1.10	1.02	11/16	0.31
AQ68-P-6X8	3/8		1/2	1.10	1.02	7/8	0.31
AQ68-P-8X4	1/2		1/4	1.44	1.36	13/16	0.35
AQ68-P-8X6	1/2		3/8	1.38	1.30	13/16	0.37
AQ68-P-8X8	1/2		1/2	1.31	1.23	7/8	0.37

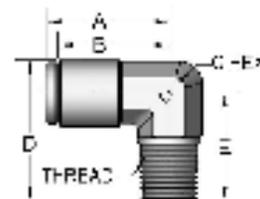
\*Furnished with nylon gaskets



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*	0.71	0.63	5/16	0.69	0.38
AQ699-PS-5/32X2	5/32		1/8	0.76	0.68	1/2	1.14	0.69
AQ699-PS-4X2	1/4		1/8	0.93	0.85	1/2	1.14	0.69
AQ699-PS-4X4	1/4		1/4	0.95	0.87	5/8	1.49	0.95
AQ699-PS-4X6	1/4		3/8	1.08	1.00	3/4	1.66	1.04
AQ699-PS-6X4	3/8		1/4	0.95	0.87	5/8	1.49	0.95
AQ699-PS-6X6	3/8		3/8	1.08	1.00	3/4	1.66	1.04

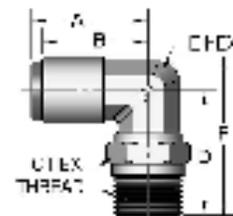
\*Furnished with nylon gaskets

<b>AQ69-P MALE ELBOW</b>							
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E
AQ69-P-2X2	1/8	1/8	0.77	0.69	5/16	0.87	0.69
AQ69-P-5/32X2	5/32	1/8	0.76	0.68	5/16	0.86	0.68
AQ69-P-3X2	3/16	1/8	0.83	0.75	3/8	0.92	0.70
AQ69-P-4X2	1/4	1/8	0.97	0.89	3/8	1.00	0.75
AQ69-P-4X4	1/4	1/4	1.03	0.95	3/8	1.20	0.96
AQ69-P-4X6	1/4	3/8	1.08	1.00	1/2	1.27	0.98
AQ69-P-6X2	3/8	1/8	1.03	.95	1/2	1.10	0.80
AQ69-P-6X4	3/8	1/4	1.06	.98	1/2	1.25	0.98
AQ69-P-6X6	3/8	3/8	1.05	.97	1/2	1.29	0.98
AQ69-P-8X4	1/2	1/4	1.23	1.15	5/8	1.45	1.05
AQ69-P-8X6	1/2	3/8	1.23	1.15	5/8	1.45	1.05
AQ69-P-8X8	1/2	1/2	1.24	1.16	5/8	1.66	1.26

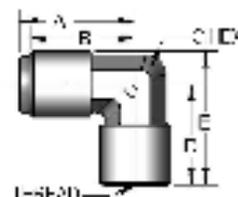


<b>AQ69-PS SWIVEL MALE ELBOW</b>								
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F
AQ69-PS-2X2	1/8	1/8	0.77	0.69	7/16	0.98	7/16	1.20
AQ69-PS-5/32X0	5/32	10-32*	0.76	0.67	3/8	0.71	5/16	0.89
AQ69-PS-5/32X2	5/32	1/8	0.75	0.68	7/16	0.89	3/8	1.11
AQ69-PS-5/32X4	5/32	1/4	0.75	0.68	9/16	1.08	3/8	1.30
AQ69-PS-3X2	3/16	1/8	0.82	0.74	7/16	0.88	3/8	1.10
AQ69-PS-4X0	1/4	10-32*	0.94	0.86	5/16	0.79	3/8	1.23
AQ69-PS-4X2	1/4	1/8	0.98	0.90	7/16	0.93	3/8	1.16
AQ69-PS-4X4	1/4	1/4	0.98	0.90	9/16	0.99	3/8	1.23
AQ69-PS-4X6	1/4	3/8	1.06	0.98	11/16	1.14	1/2	1.43
AQ69-PS-6X2	3/8	1/8	1.02	0.94	7/16	1.08	1/2	1.38
AQ69-PS-6X4	3/8	1/4	1.07	0.99	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	1.24	1.16	9/16	1.26	5/8	1.61
AQ69-PS-8X6	1/2	3/8	1.24	1.16	11/16	1.34	5/8	1.68
AQ69-PS-8X8	1/2	1/2	1.24	1.16	7/8	1.61	5/8	1.96

\*Furnished with nylon gasket

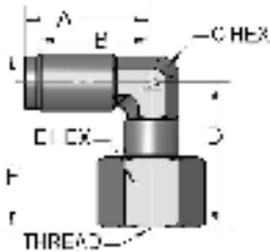


<b>AQ70-P FEMALE ELBOW</b>							
PART NUMBER	O.D.	PIPE THREAD	A	B	C	D	E
AQ70-P-2X2	1/8	1/8	0.78	0.70	3/8	0.82	1.04
AQ70-P-5/32X2	5/32	1/8	0.76	0.68	3/8	0.82	1.04
AQ70-P-4X2	1/4	1/8	0.99	0.91	3/8	0.75	0.99
AQ70-P-4X4	1/4	1/4	1.11	1.03	1/2	1.03	1.31
AQ70-P-6X4	3/8	1/4	1.06	0.98	1/2	0.95	1.24

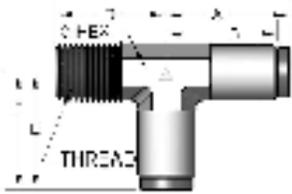




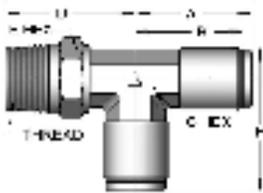
**SERIES AQ - Brass Push-In Fittings**



<b>AQ70-PS SWIVEL FEMALE ELBOW</b>									
PART NUMBER	TUBE	O.D.	PIPE THREAD	A	B	C	D	E	F
AQ70-PS-5/32X2	5/32		1/8	0.76	0.68	3/8	1.06	9/16	1.28
AQ70-PS-4X2	1/4		1/8	0.98	0.90	3/8	1.08	9/16	1.32
AQ70-PS-4X4	1/4		1/4	0.98	0.90	3/8	1.26	3/4	1.50
AQ70-PS-6X4	3/8		1/4	1.07	0.99	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



<b>AQ71-P MALE RUN TEE</b>									
PART NUMBER	TUBE	O.D.	PIPE THREAD	A	B	C	D	E	F
AQ71-P-2X2	1/8		1/8	0.73	0.65	5/16	0.72	0.65	0.94
AQ71-P-5/32X2	5/32		1/8	0.75	.67	5/16	0.65	0.67	0.95
AQ71-P-3X2	3/16		1/8	0.83	.75	3/8	0.73	0.82	1.04
AQ71-P-4X2	1/4		1/8	1.00	0.92	3/8	0.74	0.92	1.24
AQ71-P-4X4	1/4		1/4	1.00	.92	7/16	0.92	0.92	1.27
AQ71-P-6X2	3/8		1/8	1.02	0.94	1/2	.82	0.94	1.34
AQ71-P-6X4	3/8		1/4	1.06	0.98	1/2	0.98	0.98	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	1.22	1.14	5/8	1.05	1.24	1.60



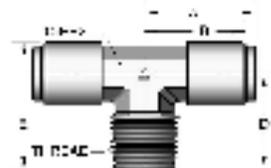
<b>AQ71-PS SWIVEL MALE RUN TEE</b>									
PART NUMBER	TUBE	O.D.	PIPE THREAD	A	B	C	D	E	F
AQ71-PS-2X2	1/8		1/8	0.73	0.65	5/16	0.86	7/16	1.02
AQ71-PS-5/32X0	5/32		10-32*	0.73	0.65	5/16	0.71	5/16	0.91
AQ71-PS-5/32X2	5/32		1/8	0.75	0.67	5/16	1.04	7/16	1.40
AQ71-PS-4X2	1/4		1/8	1.00	0.92	3/8	1.04	7/16	1.29
AQ71-PS-4X4	1/4		1/4	1.00	.92	7/16	1.13	9/16	1.33
AQ71-PS-6X2	3/8		1/8	1.03	0.94	1/2	1.11	7/16	1.34
AQ71-PS-6X4	3/8		1/4	1.02	0.94	1/2	1.19	9/16	1.36
AQ71-PS-6X6	3/8		3/8	1.04	0.96	1/2	1.24	11/16	1.43
AQ71-PS-8X6	1/2		3/8	1.22	1.14	5/8	1.31	11/16	1.59
AQ71-PS-8X8	1/2		1/2	1.22	1.14	5/8	1.61	7/8	1.59

\*Furnished with gaskets



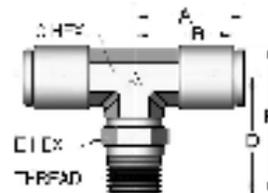
**SERIES AQ - Brass Push-In Fittings**

<b>AQ72-P MALE BRANCH TEE</b>							
PART NUMBER	O.D.	PIPE THREAD	A	B	C	D	E
AQ72-P-2X2	1/8	1/8	0.77	0.69	5/16	0.72	0.90
AQ72-P-5/32X2	5/32	1/8	0.77	0.69	5/16	0.65	0.84
AQ72-P-3X2	3/16	1/8	0.82	0.74	3/8	0.78	1.00
AQ72-P-4X2	1/4	1/8	1.00	0.92	3/8	0.74	0.98
AQ72-P-4X4	1/4	1/4	0.99	0.91	3/8	0.93	1.17
AQ72-P-6X2	3/8	1/8	1.06	0.98	1/2	0.80	1.10
AQ72-P-6X4	3/8	1/4	1.06	0.98	1/2	0.97	1.27
AQ72-P-6X6	3/8	3/8	1.06	0.98	1/2	0.97	1.27
AQ72-P-8X4	1/2	1/4	1.18	1.10	5/8	1.07	1.43
AQ72-P-8X6	1/2	3/8	1.24	1.16	5/8	1.05	1.41

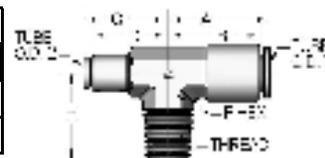


<b>AQ72-PS SWIVEL MALE BRANCH TEE</b>								
PART NUMBER	O.D.	PIPE THREAD	A	B	C	D	E	F
AQ72-PS-2X2	1/8	1/8	0.73	0.65	5/16	0.81	7/16	1.03
AQ72-PS-5/32X0	5/32	10-32*	0.73	0.65	5/16	0.71	5/16	0.89
AQ72-PS-5/32X2	5/32	1/8	0.75	0.67	3/8	0.94	7/16	1.23
AQ72-PS-4X2	1/4	1/8	1.00	0.92	3/8	0.97	7/16	1.21
AQ72-PS-4X4	1/4	1/4	1.00	0.92	3/8	1.09	9/16	1.33
AQ72-PS-6X2	3/8	1/8	1.03	0.94	1/2	1.09	7/16	1.40
AQ72-PS-6X4	3/8	1/4	1.04	0.96	1/2	1.14	9/16	1.53
AQ72-PS-6X6	3/8	3/8	1.04	0.96	1/2	1.23	11/16	1.53
AQ72-PS-8X6	1/2	3/8	1.24	1.16	5/8	1.34	11/16	1.70
AQ72-PS-8X8	1/2	1/2	1.24	1.16	5/8	1.64	7/8	2.00

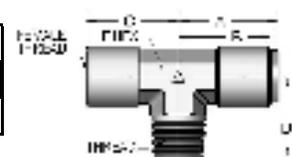
\*Furnished with nylon gaskets



<b>AQ73-P REDUCING MALE BRANCH TEE</b>								
PART NUMBER	TUBE O.D.1, O.D.2	PIPE THREAD	A	B	C	D	E	F
AQ73-P-6X4X2	3/8, 1/4	1/4	1.06	0.98	1.00	0.82	0.98	.50
AQ73-P-6X4X4	3/8, 1/4	1/4	1.06	0.98	1.00	0.92	0.98	.50

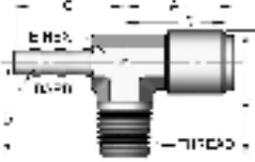


<b>AQ74-P MALE/FEMALE BRANCH TEE</b>								
PART NUMBER	TUBE O.D.1	M, F THREAD	A	B	C	D	E	F
AQ74-P-4X6X4	3/8	1/4, 1/4	1.07	0.98	0.98	.98	1/2	1.30

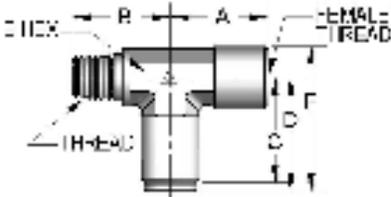




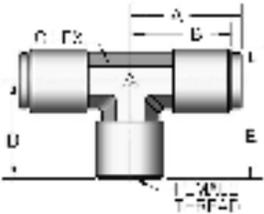
**SERIES AQ - Brass Push-In Fittings**



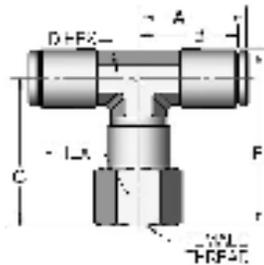
AQ75-P TUBE/BARB MALE BRANCH TEE									
PART NUMBER	TUBE	O.D.	THREAD, BARB	A	B	C	D	E	F
AQ75-P-6X4X4B	3/8		1/4, 1/4	1.06	0.98	1.08	0.97	1/2	1.27



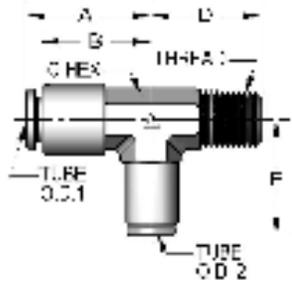
AQ76-P MALE/FEMALE RUN TEE									
PART NUMBER	TUBE	O.D.	FEMALE, MALE	A	B	C	D	E	F
AQ76-P-2X4X2	1/4		1/8, 1/8	0.82	0.82	0.92	1.00	7/16	1.28
AQ76-P-4X4X2	1/4		1/8, 1/4	0.73	0.87	0.93	1.01	3/8	1.28



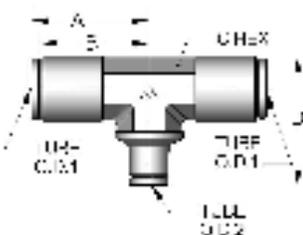
AQ77-P FEMALE BRANCH TEE									
PART NUMBER	TUBE	O.D.	PIPE	THREAD	A	B	C	D	E
AQ77-P-4X2	1/4		1/8	1/8	0.97	0.89	7/16	0.75	0.99
AQ77-P-4X4	1/4		1/4	1/4	0.97	0.89	1/2	0.98	1.27
AQ77-P-6X4	3/8		1/4	1/4	1.04	0.96	1/2	0.98	1.29



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	1/8	1.00	0.92	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	1/4	1/4	0.99	1.07	1/2	0.99	1.05

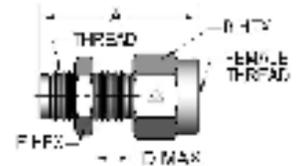


AQ79-P UNION REDUCING TEE								
PART NUMBER	TUBE	O.D.-1	TUBE	O.D.-2	A	B	C	D
AQ79-P-2X3	1/8		3/16	3/16	0.75	0.67	5/16	0.99
AQ79-P-4X2	1/4		1/8	1/8	0.98	0.90	3/8	1.16
AQ79-P-6X2	3/8		1/8	1/8	1.06	0.98	1/2	1.16
AQ79-P-6X5/32	3/8		5/32	5/32	1.06	0.98	1/2	1.11
AQ79-P-6X4	3/8		1/4	1/4	1.06	0.98	1/2	1.29

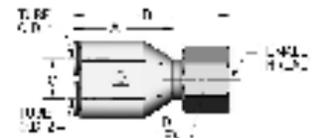
<b>AQ82-P BULKHEAD UNION</b>							
PART NUMBER	TUBE O.D.	A	B	C	D	E	THREAD
AQ82-P-2	1/8	1.28	1.12	5/8	0.50		7/16-20
AQ82-P-5/32	5/32	1.28	1.12	5/8	0.50		7/16-20
AQ82-P-3	3/16	1.43	1.27	11/16	0.58		1/2-20
AQ82-P-4	1/4	1.87	1.69	11/16	0.89		1/2-20
AQ82-P-6	3/8	1.87	1.69	15/16	0.81		3/4-16
AQ82-P-8	1/2	1.93	1.85	1-1/8	1.02		15/16-16



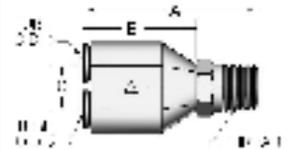
<b>AQ86-P FEMALE BULKHEAD UNION</b>							
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	
AQ86-P-4X2	1/4	1/8	1.29	11/16	1/2-20	0.63	
AQ86-P-4X4	1/4	1/4	1.46	3/4	1/2-20	0.63	
AQ86-P-6X4	3/8	1/4	1.81	3/4	5/8-18	0.99	



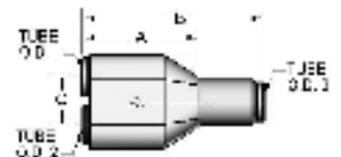
<b>AQ87-P "Y" CONNECTOR FEMALE</b>							
PART NUMBER	TUBE O.D.-1	TUBE O.D.-2	PIPE THREAD	A	B	C	D
AQ87-P-4X4	1/4	1/4	1/4	1.25	1.98	.50	3/4



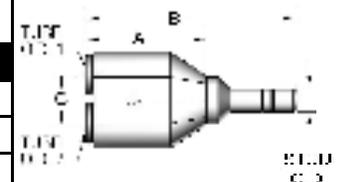
<b>AQ88-P "Y" CONNECTOR MALE NPT TO DUAL AQ TUBE CONNECTOR</b>							
PART NUMBER	TUBE O.D.-1	TUBE O.D.-2	PIPE THREAD	A	B	C	
AQ88-P-5/32X2	5/32	5/32	1/8	0.81	1.46	0.44	
AQ88-P-5/32X4	5/32	5/32	1/4	0.81	1.64	0.44	
AQ88-P-4X2	1/4	1/4	1/8	1.16	1.81	0.50	
AQ88-P-4X4	1/4	1/4	1/4	1.16	2.00	0.50	



<b>AQ89-P "Y" CONNECTOR TRIPLE TUBE TO TUBE TO TUBE CONNECTOR</b>							
PART NUMBER	TUBE O.D.-1	TUBE O.D.-2	T.O.D.3	A	B	C	
AQ89-P-5/32	5/32	5/32	5/32	0.81	1.36	0.44	
AQ89-P-5/32X2	5/32	5/32	1/8	0.81	1.36	0.44	
AQ89-P-5/32X4	5/32	5/32	1/4	0.81	1.56	0.44	
AQ89-P-4	1/4	1/4	1/4	1.16	1.91	0.50	
AQ89-P-4X5/32	1/4	1/4	5/32	1.16	1.71	0.50	
AQ89-P-4X2	1/4	1/4	1/8	1.16	1.71	0.50	



<b>AQ90-P "Y" CONNECTOR DUAL TUBE WITH PLUG-IN MALE STUD</b>							
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	0.81	1.48	0.44	
AQ90-P-5/32X4	5/32	5/32	1/4	0.81	1.70	0.44	
AQ90-P-4	1/4	1/4	1/4	1.16	2.05	0.50	
AQ90-P-4X5/32	1/4	1/4	5/32	1.16	1.83	0.50	

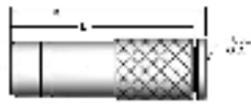




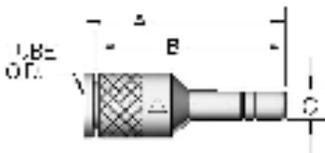
**SERIES AQ - Brass Push-In Fittings**



<b>AQ92-P QUICK DISCONNECT</b>					
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	0.92	7/16
AQ92-P-4X4	1/4	1/4	1.00	0.92	9/16
AQ92-P-6X4	3/8	1/4	1.20	1.12	11/16



<b>AQ97-P REDUCING UNION. For use with SERIES "AQ" Fittings only.</b>					
PART NUMBER	TUBE O.D.		A	B	C
AQ97-P-2X4	1/8		1.38	1.30	0.25
AQ97-P-5/32X4	5/32		1.44	1.36	0.25
AQ97-P-5/32X6	5/32		1.44	1.36	0.38
AQ97-P-4X6	1/4		1.60	1.52	0.38
AQ97-P-4X8	1/4		1.68	1.59	0.50
AQ97-P-6X8	3/8		1.68	1.59	0.50

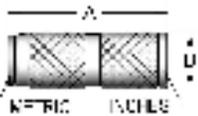


<b>AQ99-P EXPANDER UNION</b>					
For use with SERIES "AQ" Fittings only.					
PART NUMBER	TUBE O.D.		A	B	C
AQ99-P-4X5/32	1/4		1.40	1.32	5/32
AQ99-P-6X4	3/8		1.81	1.73	1/4

**Metric Inch Adapter**

**SERIES MAQ - Brass Push-In Metric Fittings**

**EASY ENGLISH TO METRIC CONVERSION !!!**

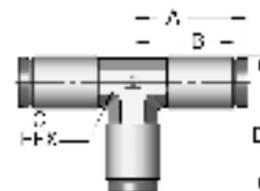


<b>MAQ56-P TUBE TO TUBE UNION REDUCER</b>				
PART NUMBER	TUBE O.D.-1	TUBE O.D.-2	A	B
MAQ56-P-4MX5/32	4MM	5/32	1.16	0.44
MAQ56-P-6MX4	6MM	1/4	1.39	0.56
MAQ56-P-8MX4	8MM	1/4	1.50	0.56
MAQ56-P-8MX6	8MM	3/8	1.53	0.56
MAQ56-P-10MX6	10MM	3/8	1.53	0.72
MAQ56-P-12MX8	12MM	1/2	1.69	0.81

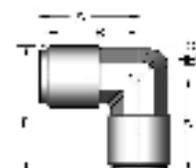
MAQ62-P UNION CONNECTOR					
PART NUMBER	TUBE O.D.	A	B	C	
MAQ62-P-4	4mm	33.4	27.0	11.0	
MAQ62-P-6	6mm	42.0	35.0	11.0	
MAQ62-P-8	8mm	45.0	38.0	14.0	
MAQ62-P-10	10mm	42.5	35.5	15.0	
MAQ62-P-12	12mm	47.0	40.0	18.0	



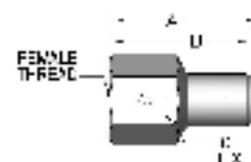
MAQ64-P UNION TEE						
PART NUMBER	TUBE O.D.	A	B	C	D	
MAQ64-P-4	4mm	20.2	17.0	8.0	41.1	
MAQ64-P-6	6mm	26.2	22.7	9.0	27.7	
MAQ64-P-8	8mm	28.0	24.5	14.0	32.3	
MAQ64-P-10	10mm	28.5	25.0	13.0	32.8	
MAQ64-P-12	12mm	29.5	26.0	15.0	41.1	



MAQ65-P UNION ELBOW					
PART NUMBER	TUBE O.D.	A	B	C	D
MAQ65-P-6	6mm	26.0	22.5	9.0	27.9
MAQ65-P-8	8mm	27.0	23.5	11.0	29.7



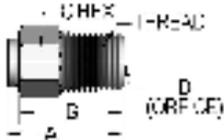
MAQ66-P FEMALE CONNECTOR					
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C
MAQ66-P-4X2	4mm	1/8	28.5	25.3	14.0
MAQ66-P-4X4	4mm	1/4	35.2	32.0	19.0
MAQ66-P-6X2	6mm	1/8	33.0	29.5	14.0
MAQ66-P-6X4	6mm	1/4	38.5	35.0	19.0
MAQ66-P-8X4	8mm	1/4	39.5	36.0	19.0
MAQ66-P-8X6	8mm	3/8	39.5	36.0	22.0



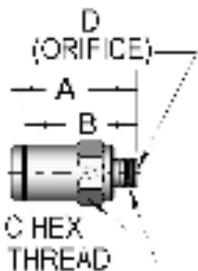


**SERIES MAQ - Brass Push-In Metric Fittings**

<b>MAQ68-P MALE CONNECTOR</b>						
PART NUMBER	TUBE O.D.	PIPE THREAD (BSPT)	A	B	C	D
MAQ68-P-4X2	4mm	1/8	19.3	16.1	11.0	3.20
MAQ68-P-4X4	4mm	1/4	22.5	19.3	14.0	3.20
MAQ68-P-6X2	6mm	1/8	21.5	19.0	14.0	5.11
MAQ68-P-6X4	6mm	1/4	23.8	20.3	14.0	4.80
MAQ68-P-8X4	8mm	1/4	31.3	27.8	14.0	4.80
MAQ68-P-8X6	8mm	3/8	28.0	24.5	18.0	4.80
MAQ68-P-10X4	10mm	1/4	28.8	25.3	15.0	8.00
MAQ68-P-10X6	10mm	3/8	26.7	23.2	18.0	8.00
MAQ68-P-12X6	12mm	3/8	32.2	29.7	18.0	9.50
MAQ68-P-12X8	12mm	1/2	29.0	25.5	22.0	9.50



<b>MAQ68-P MALE CONNECTOR WITH "G" THREADS</b>						
PART NUMBER	TUBE O.D.	PIPE THREAD (BSPP)	A	B	C	D
MAQ68-P-4X0G	4mm	M5	0.78	0.68	9mm	0.09
MAQ68-P-4X2G	4mm	1/8-28	0.73	0.63	14mm	0.14
MAQ68-P-4X4G	4mm	1/4-19	0.78	0.68	18mm	0.14
MAQ68-P-6X0G	6mm	M5	0.85	0.75	12mm	0.09
MAQ68-P-6X2G	6mm	1/8-28	0.79	0.69	14mm	0.20
MAQ68-P-6X4G	6mm	1/4-19	0.85	0.75	18mm	0.20
MAQ68-P-8X4G	8mm	1/4-19	0.85	0.75	18mm	0.24
MAQ68-P-8X6G	8mm	3/8-19	0.95	0.85	22mm	0.28
MAQ68-P-10X4G	10mm	1/4-19	1.04	0.94	18mm	0.31
MAQ68-P-10X6G	10mm	3/8-19	0.91	0.81	22mm	0.31
MAQ68-P-12X4G	12mm	1/4-19	1.07	0.97	18mm	0.31
MAQ68-P-12X6G	12mm	3/8-19	0.97	0.87	22mm	0.39
MAQ68-P-12X8G	12mm	1/2-14	1.00	0.89	1 1/16	0.41

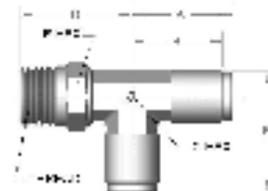


**Note : O'Ring Seal on "G" Thread.**

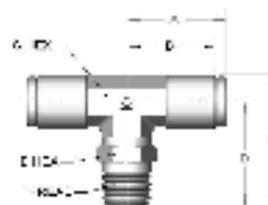
<b>MAQ69-PS SWIVEL MALE ELBOW</b>									
PART NUMBER	TUBE O.D.	PIPE THREAD (BSPT)	A	B	C	D	E	F	
MAQ69-PS-4X2	4mm	1/8	19.2	16.0	11.0	26.7	3/8	29.0	
MAQ69-PS-4X4	4mm	1/4	19.2	16.0	14.0	31.7	3/8	34.0	
MAQ69-PS-6X2	6mm	1/8	26.0	22.5	11.0	28.7	3/8	30.0	
MAQ69-PS-6X4	6mm	1/4	26.0	22.5	14.0	33.7	3/8	34.0	
MAQ69-PS-8X4	8mm	1/4	27.0	23.5	14.0	35.2	7/16	38.0	
MAQ69-PS-8X6	8mm	3/8	27.0	23.5	18.0	35.2	7/16	39.0	
MAQ69-PS-10X4	10mm	1/4	27.5	24.0	14.0	35.2	1/2	38.0	
MAQ69-PS-10X6	10mm	3/8	27.5	24.0	18.0	35.2	1/2	40.0	
MAQ69-PS-12X6	12mm	3/8	30.5	27.0	18.0	42.2	5/8	43.0	
MAQ69-PS-12X8	12mm	1/2	30.5	27.0	22.0	47.4	5/8	48.0	



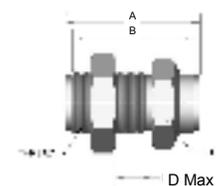
<b>MAQ71-PS SWIVEL MALE RUN TEE</b>								
PART NUMBER	TUBE O.D.	Pipe Thread(BSPT)	A	B	C	D	E	F
MAQ71-PS-4X2	4mm	1/8	19.7	16.5	11.0	29.7	3/8	26.0
MAQ71-PS-4X4	4mm	1/4	19.7	16.5	14.0	34.7	3/8	26.0
MAQ71-PS-6X2	6mm	1/8	26.0	22.5	11.0	28.7	3/8	28.0
MAQ71-PS-6X4	6mm	1/4	26.0	22.5	14.0	33.7	3/8	28.0
MAQ71-PS-8X4	8mm	1/4	27.5	24.0	14.0	35.2	7/16	30.0
MAQ71-PS-8X6	8mm	3/8	27.5	24.0	18.0	35.2	7/16	30.0
MAQ71-PS-10X4	10mm	1/4	27.0	23.5	14.0	35.2	1/2	34.0
MAQ71-PS-10X6	10mm	3/8	27.0	23.5	18.0	35.2	1/2	34.0
MAQ71-PS-12X6	12mm	3/8	30.0	26.5	18.0	37.0	5/8	46.0
MAQ71-PS-12X8	12mm	1/2	31.0	28.0	22.0	40.0	5/8	46.0



<b>MAQ72-PS SWIVEL MALE BRANCH TEE</b>								
PART NUMBER	TUBE O.D.	Pipe Thread(BSPT)	A	B	C	D	E	F
MAQ72-PS-4X2	4mm	1/8	19.2	16.0	11.0	29.7	11.0	36.0
MAQ72-PS-4X4	4mm	1/4	19.2	16.0	14.0	34.7	14.0	40.0
MAQ72-PS-6X2	6mm	1/8	26.0	22.5	11.0	31.2	11.0	38.0
MAQ72-PS-6X4	6mm	1/4	26.0	22.5	14.0	36.2	14.0	42.0
MAQ72-PS-8X4	8mm	1/4	27.0	23.5	14.0	36.7	14.0	44.0
MAQ72-PS-8X6	8mm	3/8	27.0	23.5	18.0	36.7	19.0	44.0
MAQ72-PS-10X4	10mm	1/4	27.5	24.0	14.0	35.5	14.0	44.0
MAQ72-PS-10X6	10mm	3/8	27.5	24.0	18.0	37.5	19.0	46.0
MAQ72-PS-12X6	12mm	3/8	29.5	26.0	18.0	38.0	19.0	47.0
MAQ72-PS-12X8	12mm	1/2	33.0	29.0	18.0	38.0	22.0	48.0



<b>MAQ82-P BULKHEAD UNION</b>							
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





**SERIES PQ - Plastic Push-In Fittings**

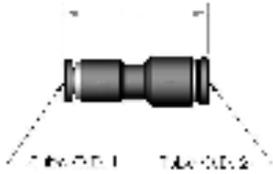
**SERIES PQ - Plastic Push-In Fittings**

**PRODUCT SPECIFICATIONS**



<b>WORKING PRESSURE</b>
<b>WORKING TEMPERATURE</b>
<b>RECOMMENDED FOR APPLICATIONS WITH</b>
<b>APPLIED THREAD SEALANT STANDARD</b>

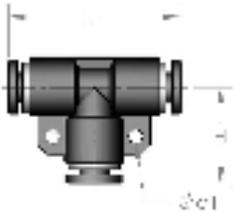
**0 - 150 PSI**  
**-10 ° F to 180 ° F**  
**AIR ONLY**  
**LOCTITE 502**



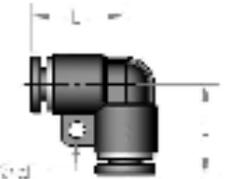
<b>PQ56-P REDUCING UNION</b>				
PART NUMBER	TUBE O.D.-1	TUBE O.D.-2	L	
PQ56-P-6x4	1/4	3/8	1.85	



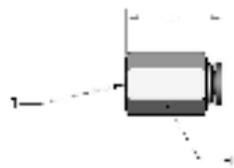
<b>PQ62-P UNION</b>		
PART NUMBER	TUBE O.D.	L
PQ62-P-4	1/4	1.57
PQ62-P-6	3/8	1.93



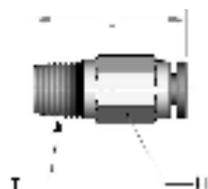
<b>PQ64-P UNION TEE</b>				
PART NUMBER	TUBE O.D.	L	H	Ød1
PQ64-P-4	1/4	1.69	0.91	0.16
PQ64-P-6	3/8	1.81	0.94	0.16



<b>PQ65-P ELBOW UNION</b>			
PART NUMBER	TUBE O.D.	L	Ød1
PQ65-P-4	1/4	0.91	0.16
PQ65-P-6	3/8	1.14	0.16

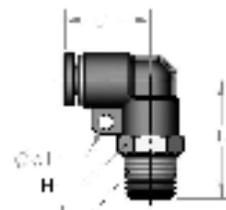


<b>PQ66-P FEMALE CONNECTOR</b>					
PART NUMBER	TUBE O.D.	PIPE THREAD - T	L	H	Ød1
PQ66-P-4x2	1/4	1/8	1.18	15 mm	0.16
PQ66-P-4x4	1/4	1/4	1.25	17 mm	0.16
PQ66-P-6x4	3/8	1/4	1.30	17 mm	0.16
PQ66-P-6x6	3/8	3/8	1.30	19 mm	0.16

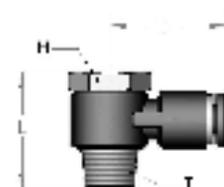


<b>PQ68-P MALE CONNECTOR</b>					
PART NUMBER	TUBE O.D.	PIPE THREAD	L	H	Ød1
PQ68-P-4x2	1/4	1/8	1.00	14 mm	0.16
PQ68-P-4x4	1/4	1/4	1.10	14 mm	0.16
PQ68-P-4x6	1/4	3/8	0.83	17 mm	0.16
PQ68-P-6x4	3/8	1/4	1.34	17 mm	0.16
PQ68-P-6x6	3/8	3/8	1.22	17 mm	0.16
PQ68-P-6x8	3/8	1/2	1.30	21 mm	0.16
PQ68-P-8x4	1/2	1/4	1.26	21 mm	0.16
PQ68-P-8x6	1/2	3/8	1.34	21 mm	0.16
PQ68-P-8x8	1/2	1/2	1.46	21 mm	0.16

PQ69-PS SWIVEL MALE ELBOW					
PART NUMBER	TUBE O.D.	PIPE THREAD T	L	L1	H
PQ69-PS-4x2	1/4	1/8	1.93	1.10	14mm
PQ69-PS-4x4	1/4	1/4	2.00	1.10	14mm
PQ69-PS-4x6	1/4	3/8	2.05	1.10	17mm
PQ69-PS-6x4	3/8	1/4	2.00	1.20	17mm
PQ69-PS-6x6	3/8	3/8	2.05	1.20	17mm
PQ69-PS-6x8	3/8	1/2	2.16	1.20	21mm



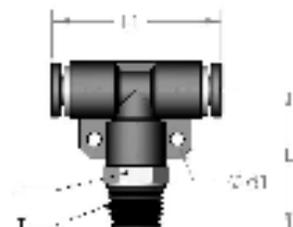
PQ699-PS SWIVEL BANJO ELBOW						
PART NUMBER	TUBE O.D.	PIPE THREAD T	L	L1	H	Ød1
PQ699-PS-4x2	1/4	1/8	0.71	1.40	12mm	0.16
PQ699-PS-4x4	1/4	1/4	0.91	1.40	16mm	0.16
PQ699-PS-4x6	1/4	3/8	1.29	1.40	19mm	0.16
PQ699-PS-6x4	3/8	1/4	1.26	1.46	19mm	0.16
PQ699-PS-6x6	3/8	3/8	1.30	1.46	19mm	0.16



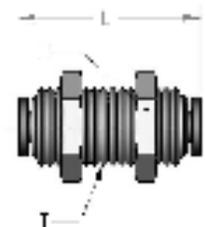
PQ71-PS SWIVEL MALE RUN TEE						
PART NUMBER	TUBE O.D.	PIPE THREAD T	L	L1	H	Ød1
PQ71-PS-4x2	1/4	1/8	2.05	0.83	14mm	0.16
PQ71-PS-4x4	1/4	1/4	2.17	0.83	14mm	0.16
PQ71-PS-6x2	3/8	1/8	2.40	1.10	17mm	0.16
PQ71-PS-6x4	3/8	1/4	2.60	1.10	17mm	0.16
PQ71-PS-6x6	3/8	3/8	2.64	1.10	17mm	0.16



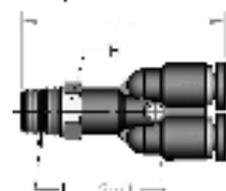
PQ72-PS SWIVEL MALE BRANCH TEE						
PART NUMBER	TUBE O.D.	PIPE THREAD T	L	L1	H	Ød1
PQ72-PS-4x2	1/4	1/8	1.02	1.61	14mm	0.16
PQ72-PS-4x4	1/4	1/4	1.10	1.61	14mm	0.16
PQ72-PS-4x6	1/4	3/8	1.14	1.61	17mm	0.16
PQ72-PS-6x4	3/8	1/4	1.42	2.16	17mm	0.16
PQ72-PS-6x6	3/8	3/8	1.46	2.16	17mm	0.16



PQ82-P BULKHEAD UNION				
PART NUMBER	TUBE O.D.	L	T	H
PQ82-P-6	3/8	1.65	M20 X 1.0	22mm
PQ82-P-8	1/2	1.77	M24 X 1.0	24mm



PQ88-P SWIVEL "Y" CONNECTOR					
PART NUMBER	TUBE O.D.	PIPE THREAD T	L	H	Ød1
PQ88-PS-4x2	1/4	1/8	1.97	14mm	0.16
PQ88-PS-4x4	1/4	1/4	2.13	14mm	0.16

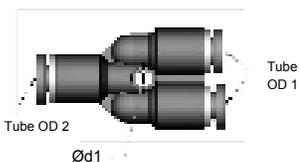




**SERIES PQ - Plastic Push-In Fittings**



<b>PQ89-P Union "Y" Connector</b>			
PART NUMBER	TUBE O.D.	L	Ød1
PQ89-P-4	1/4	1.61	0.16
PQ89-P-6	3/8	2.00	0.16



<b>PQ89-P Reducing Union "Y"</b>						
PART NUMBER	TUBE	O.D.-1	TUBE	O.D.-2	L	Ød1
PQ89-P-4x6	1/4	3/8	1.89			0.16
PQ89-P-6x4	3/8	1/4	1.89			0.16

**SERIES MQ - Metric Plastic Push-In Fittings**



<b>MPQ62-P Union Connector</b>			
PART NUMBER	TUBE O.D.	L	Ød1
MPQ62-P-4	4mm	36mm	6mm



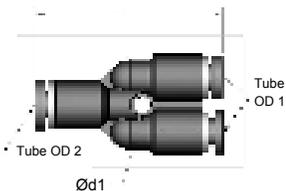
<b>MPQ69-PS Swivel Male Elbow</b>						
PART NUMBER	TUBE O.D.	PIPE THREAD -T	L	L1	H	Ød1
MPQ69-PS-4x2	4mm	1/4 BSPT	49mm	40mm	10mm	6mm
MPQ69-PS-4x4	4mm	1/4 BSPT	52mm	40mm	14mm	6mm
MPQ69-PS-6x8	6mm	3/8 BSPT	52mm	42mm	17mm	6mm
MPQ69-PS-8x8	8mm	1/2 BSPT	54mm	48mm	21mm	6mm



<b>MPQ88-P Swivel "Y" Connector</b>					
PART NUMBER	TUBE O.D.	PIPE THREAD -T	L	H	Ød1
MPQ88-PS-4x2	4mm	1/8 BSPT	44mm	10mm	6mm
MPQ88-PS-4x4	6mm	1/4 BSPT	45mm	14mm	6mm



<b>MPQ89-P Union "Y" Connector</b>			
PART NUMBER	TUBE O.D.	L	Ød1
MPQ89-P-4	4mm	34mm	6mm
MPQ89-P-6	6mm	41mm	6mm



<b>MPQ89-P Reducing Union "Y"</b>						
PART NUMBER	TUBE	O.D.-1	TUBE	O.D.-2	L	Ød1
MPQ89-P-6x4	4mm	6mm	33			6mm



Nickel plated fittings



### NICKEL PLATED FITTINGS

Nickel plated fittings provide service under harsh conditions for many years to come.

The lustrous finish will enhance the appearance of any machinery and add a glow of quality.

Nickel plated fittings come with pre-applied thread sealant to save installation labor.

To order, just replace "P" or "PS" in series AQ part number, with "N" or "NS".

### O'Rings Options

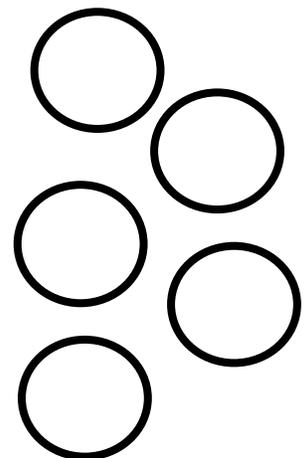
#### VITON "O" RING SEALS IN SERIES AQ FITTINGS

Viton is available from stock in a selected assortment of parts and can be installed in any Series AQ Fitting.

To order, just 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.





**SERIES MQ - Manifolds**

**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**

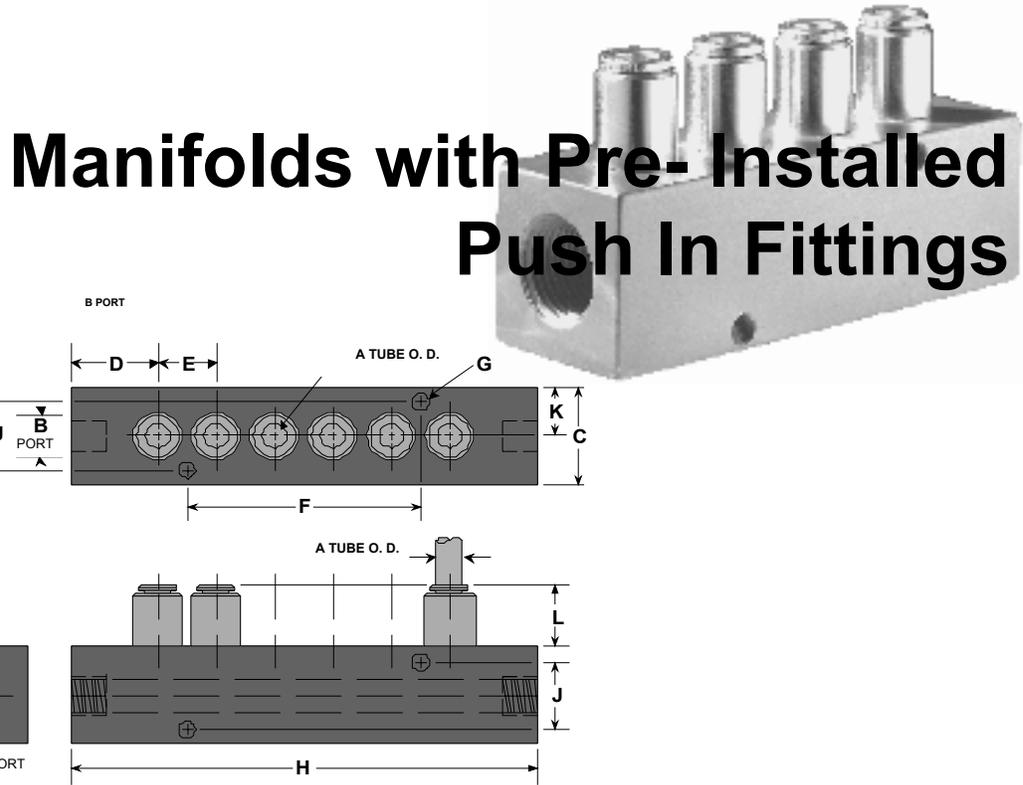
Offer excellent corrosion  
resistance.

**FIVE TUBE "O.D."  
SIZES**

On stock manifolds.

**CUSTOMIZED  
MANIFOLDS**

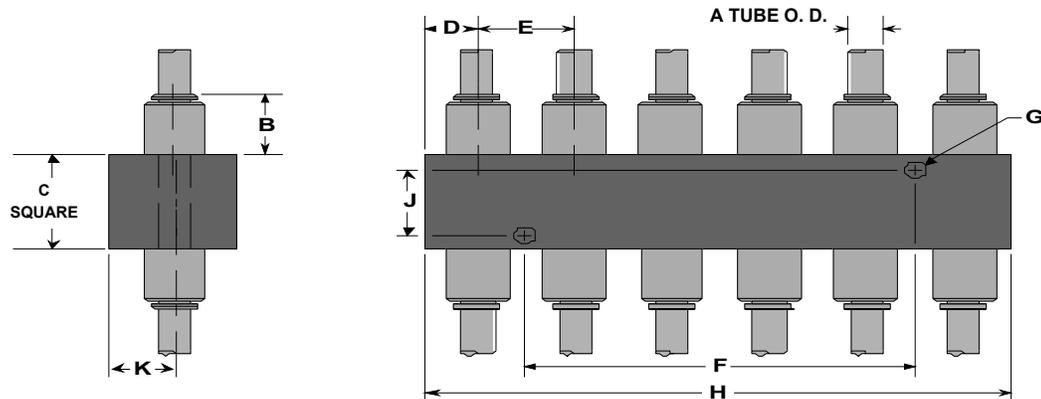
Different O.D. tube sizes,  
pipe plug, barb  
connectors and other  
requirements can be  
integrated into one  
manifold to solve  
problems. Example on  
Page 22.



MQ22 MANIFOLDS WITH PUSH-IN FITTINGS												
PART No.	No. 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	1.00Sq.	0.50	0.75	1.50	0.17	3.25	0.70	0.50	0.47
MQ22-2X4-6	6	1/8	1/4	1.00Sq.	0.50	0.75	3.00	0.17	4.75	0.70	0.50	0.47
MQ22-2X4-8	8	1/8	1/4	1.00Sq.	0.50	0.75	4.50	0.17	6.25	0.70	0.50	0.47
MQ22-2X4-10	10	1/8	1/4	1.00Sq.	0.50	0.75	6.00	0.17	7.75	0.70	0.50	0.47
MQ22-5/32X4-4	4	5/32	1/4	1.00Sq.	0.50	0.75	1.50	0.17	3.25	0.70	0.50	0.47
MQ22-5/32X4-6	6	5/32	1/4	1.00Sq.	0.50	0.75	3.00	0.17	4.75	0.70	0.50	0.47
MQ22-5/32X4-8	8	5/32	1/4	1.00Sq.	0.50	0.75	4.50	0.17	6.25	0.70	0.50	0.47
MQ22-5/32X4-10	10	5/32	1/4	1.00Sq.	0.50	0.75	6.00	0.17	7.75	0.70	0.50	0.47
MQ22-3X4-4	4	3/16	1/4	1.00Sq.	0.50	0.75	1.50	0.17	3.25	0.70	0.50	0.57
MQ22-3X4-6	6	3/16	1/4	1.00Sq.	0.50	0.75	3.00	0.17	4.75	0.70	0.50	0.57
MQ22-3X4-8	8	3/16	1/4	1.00Sq.	0.50	0.75	4.50	0.17	6.25	0.70	0.50	0.57
MQ22-3X4-10	10	3/16	1/4	1.00Sq.	0.50	0.75	6.00	0.17	7.75	0.70	0.50	0.57
MQ22-4X6-4	4	1/4	3/8	1.13 Sq.	0.63	0.75	1.50	0.18	3.50	0.85	0.56	0.67
MQ22-4X6-6	6	1/4	3/8	1.13 Sq.	0.63	0.75	3.00	0.18	5.00	0.85	0.56	0.67
MQ22-4X6-8	8	1/4	3/8	1.13 Sq.	0.63	0.75	4.50	0.18	6.50	0.85	0.56	0.67
MQ22-4X6-10	10	1/4	3/8	1.13 Sq.	0.63	0.75	6.00	0.18	8.00	0.85	0.56	0.67
MQ22-6X6-4	4	3/8	3/8	1.13 Sq.	0.63	0.75	1.50	0.18	3.50	0.85	0.56	0.95
MQ22-6X6-6	6	3/8	3/8	1.13 Sq.	0.63	0.75	3.00	0.18	5.00	0.85	0.56	0.95
MQ22-6X6-8	8	3/8	3/8	1.13 Sq.	0.63	0.75	4.50	0.18	6.50	0.85	0.56	0.95
MQ22-6X6-10	10	3/8	3/8	1.13 Sq.	0.63	0.75	6.00	0.18	8.00	0.85	0.56	0.95

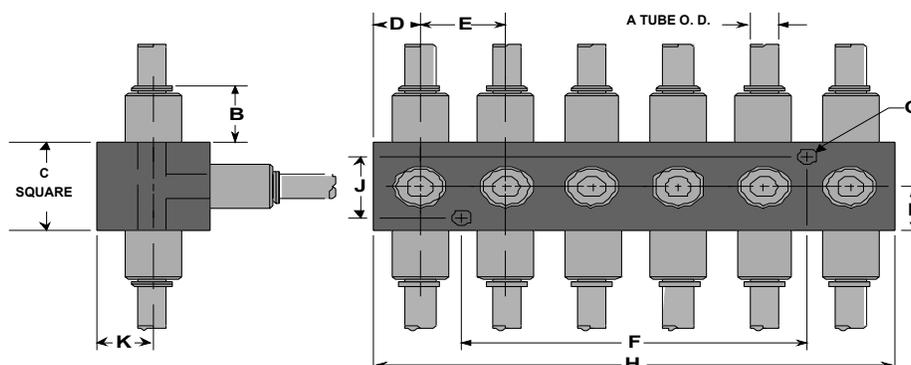
**MQ23 UNION MANIFOLDS**

PART No.	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	0.473	.750 Sq.	0.312	0.625	2.50	0.173	3.75	0.450	0.375
MQ23-5/32-6	6	12	5/32	0.473	.750 Sq.	0.312	0.625	2.50	0.173	3.75	0.450	0.375
MQ23-3-6	6	12	3/16	0.571	.750 Sq.	0.312	0.625	2.50	0.173	3.75	0.450	0.375
MQ23-4-6	6	12	1/4	0.669	1.00 Sq.	0.375	0.750	3.00	0.173	4.50	0.700	0.500
MQ23-6-6	6	12	3/8	0.950	1.00 Sq.	0.375	0.750	3.00	0.173	4.50	0.700	0.500



**MQ24 UNION TEE MANIFOLDS**

PART No.	No. STATIONS	No. OUTLETS	A TUBE O.D.	B	C	D	E	F	G	H	J	K	L
MQ24-2-6	6	18	1/8	0.473	.750 Sq.	0.312	0.625	2.50	0.173	3.75	0.450	0.375	0.375
MQ24-5/32-6	6	18	5/32	0.473	.750 Sq.	0.312	0.625	2.50	0.173	3.75	0.450	0.375	0.375
MQ24-3-6	6	18	3/16	0.571	.750 Sq.	0.312	0.625	2.50	0.173	3.75	0.450	0.375	0.375
MQ24-4-6	6	18	1/4	0.669	1.00 Sq.	0.375	0.750	3.00	0.173	4.50	0.700	0.500	0.500
MQ24-6-6	6	18	3/8	0.950	1.00 Sq.	0.375	0.750	3.00	0.173	4.50	0.700	0.500	0.500

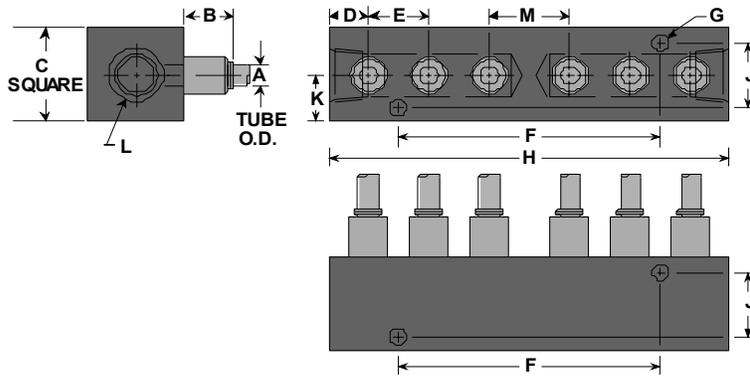




**SERIES MQ - Manifolds**

**MQ25 DUAL PRESSURE MANIFOLDS**

PART No.	STATIONS / OUTLETS	A O.D.	B	C	D	E	F	G	H	J	K	L	M
MQ25-2X4-6	6 / 6	1/8	0.473	1.00 Sq	0.500	0.625	2.88	0.173	4.50	0.700	0.500	1/4 NPT	1.00
MQ25-5/32X4-6	6 / 6	5/32	0.473	1.00 Sq	0.500	0.625	2.88	0.173	4.50	0.700	0.500	1/4 NPT	1.00
MQ25-3X4-6	6 / 6	3/16	0.571	1.00 Sq	0.500	0.625	2.88	0.173	4.50	0.700	0.500	1/4 NPT	1.00
MQ25-4X6-6	6 / 6	1/4	0.669	1.25 Sq.	0.500	0.750	3.25	0.203	5.00	0.890	0.625	3/8 NPT	1.00
MQ25-6X6-6	6 / 6	3/8	0.950	1.25 Sq.	0.500	0.750	3.25	0.203	5.00	0.890	0.625	3/8 NPT	1.00



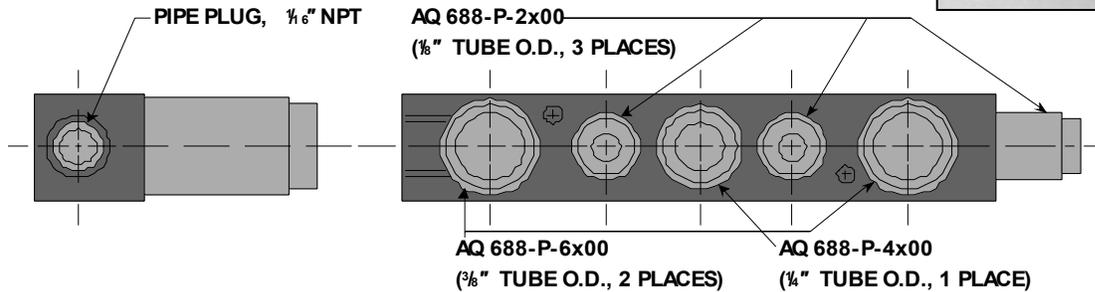
**CUSTOMIZED MANIFOLDS**

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

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



**CUSTOM MANIFOLD**



\*Insert number of tube connections required.

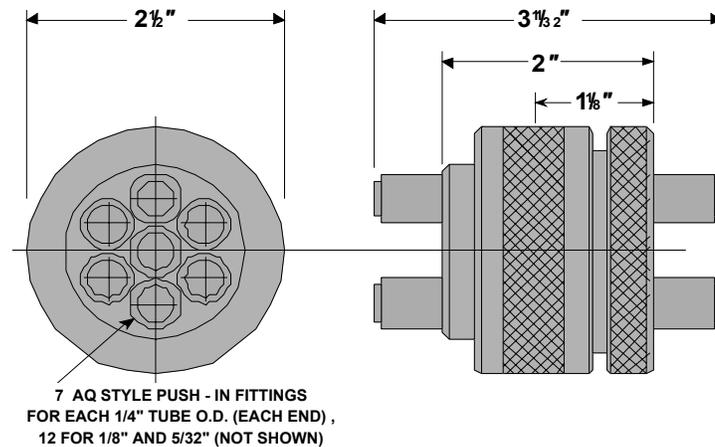
**MTQ MULTIPLE TUBE CONNECTORS**

PART No.	TUBE O.D.	MAX. TUBE CONN.	PART No.	TUBE O.D.	MAX. 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	*Insert number of tube connections required.		
MTQ-B-5/32X*	5/32	12			

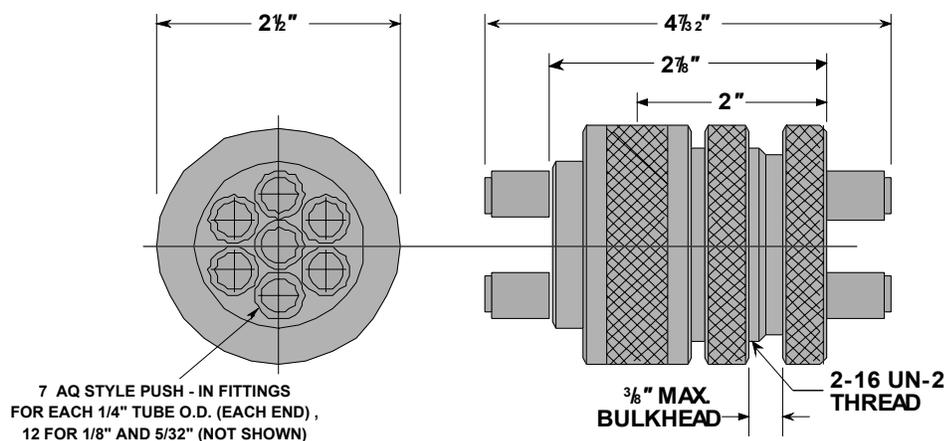
Each connector accepts a maximum # of tube connectors, per above chart at each end - modified for less than maximum # of connections per customer requirement by simply installing the number of fittings required at end of part number.

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

**STANDARD "MTQ-S"**



**BULKHEAD "MTQ-B"**





**SERIES AP - Brass Tube Fittings for Plastic Tubing**

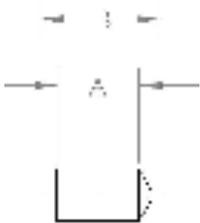
**PRODUCT SPECIFICATIONS**



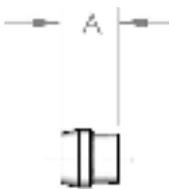
<b>TEMPERATURE RANGE NYLON SLEEVE</b>	<b>-40 ° F to 225° F</b>
<b>TEMPERATURERANGE BRASS SLEEVE</b>	<b>-40 ° F to 325° F</b>
<b>MATERIAL OF SHAPES (ELBOW , TEES)</b>	<b>BRASS CA 377</b>
<b>MATERIAL OF STRAIGHTS</b>	<b>BRASS CA 360</b>
<b>MATERIAL OF SLEEVES</b>	<b>BRASS / NYLON</b>
<b>COMPATIBLE TUBING : IMPOLENE, SOFT METAL, POLYETHYLENE, POLYPROPYLENE, NYLON, POLYVINYL CHLORIDE, POLYALLOMER.</b>	



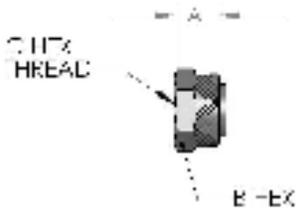
<b>AP56-P REDUCING UNION</b>				
PART NUMBER	TUBE O.D.	A	B	C
AP56-P-6X4	3/8X1/4	1.187	0.718	0.500
AP56-P-8X6	1/2X3/8	1.600	1.050	0.750



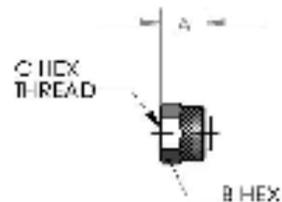
<b>AP59-P CAP</b>		
PART NUMBER	TUBE O.D.	A
AP59-P-4	1/4	0.500
AP59-P-5	5/16	0.531
AP59-P-6	3/8	0.562
AP59-P-8	1/2	0.593



<b>AP60-P PLASTIC SLEEVE</b>		
PART NUMBER	TUBE O.D.	A
AP60-P-4	1/4	0.325
AP60-P-5	5/16	0.347
AP60-P-6	3/8	0.356
AP60-P-8	1/2	0.409



<b>AP61-B UNIVERSAL NUT AND BRASS SLEEVE ASSEMBLY</b>				
PART NUMBER	TUBE O.D.	A	B	C
AP61-B-2	1/8	0.375	0.375	5/16-24
AP61-B-3	3/16	0.406	0.437	3/8-24
AP61-B-4	1/4	0.343	0.437	3/8-24
AP61-B-5	5/16	0.343	0.500	7/16-24
AP61-B-6	3/8	0.375	0.562	1/2-24
AP61-B-8	1/2	0.421	0.812	11/16-20

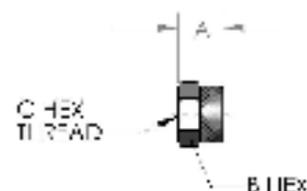


<b>AP61-P NUT AND PLASTIC SLEEVE ASSEMBLY</b>				
PART NUMBER	TUBE O.D.	A	B	C
AP61-P-4	1/4	0.343	0.437	3/8-24
AP61-P-5	5/16	0.343	0.500	7/16-24
AP61-P-6	3/8	0.375	0.562	1/2-24
AP61-P-8	1/2	0.421	0.812	11/16-20

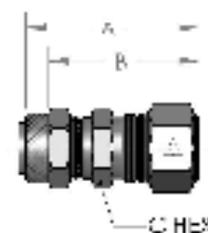


**SERIES AP - Brass Tube Fittings for Plastic Tubing**

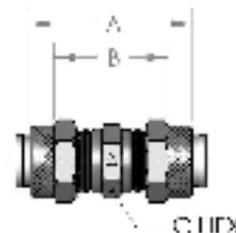
<b>AP61-U NUT ONLY</b>				
PART NUMBER	TUBE O.D.	A	B	C
AP61-U-4	1/4	0.343	0.437	3/8-24
AP61-U-5	5/16	0.343	0.500	7/16-24
AP61-U-6	3/8	0.375	0.562	1/2-24
AP61-U-8	1/2	0.421	0.812	11/16-20



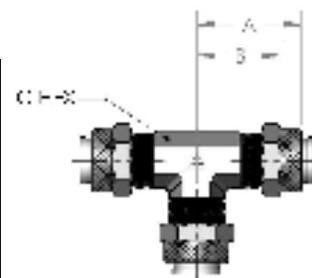
<b>AP62-C UNION TUBE- To compression</b>				
PART NUMBER	TUBE O.D.	A	B	C
AP62-C-4	1/8	1.250	0.750	0.437
AP62-C-5	5/16	1.281	0.781	0.500
AP62-C-6	3/8	1.406	0.843	0.562



<b>AP62-P UNION</b>				
PART NUMBER	TUBE O.D.	A	B	C
AP62-P-2	1/8	1.156	0.656	0.312
AP62-P-3	3/16	1.250	0.750	0.375
AP62-P-4	1/4	1.125	0.687	0.375
AP62-P-5	5/16	1.156	0.687	0.437
AP62-P-6	3/8	1.218	0.718	0.500
AP62-P-8	1/2	1.343	0.843	0.687



<b>AP64-P UNION TEE</b>				
PART NUMBER	TUBE O.D.	A	B	C
AP64-P-2	1/8	0.875	0.625	0.312
AP64-P-3	3/16	0.875	0.625	0.312
AP64-P-4	1/4	0.843	0.625	0.375
AP64-P-5	5/16	0.859	0.625	0.375
AP64-P-6	3/8	0.906	0.656	0.437
AP64-P-8	1/2	1.062	0.812	0.625





**SERIES AP - Brass Tube Fittings for Plastic Tubing**



<b>AP66-P FEMALE CONNECTOR</b>					
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C
AP66-P-2X2	1/8	1/8	1.031	0.750	0.562
AP66-P-3X2	3/16	1/8	1.031	0.781	0.562
AP66-P-3X4	3/16	1/4	1.218	0.968	0.687
AP66-P-4X2	1/4	1/8	0.968	0.750	0.500
AP66-P-4X4	1/4	1/4	1.156	0.937	0.625
AP66-P-4X6	1/4	3/8	1.250	1.000	0.875
AP66-P-5X2	5/16	1/8	1.000	0.750	0.500
AP66-P-6X4	3/8	1/4	1.187	0.937	0.625
AP66-P-8X6	1/2	3/8	1.250	1.000	0.812



<b>AP68-P MALE CONNECTOR</b>					
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C
AP68-P-2X0	1/8	10-32*	0.843	0.593	0.375
AP68-P-2X2	1/8	1/8	1.078	0.796	0.347
AP68-P-3X2	3/16	1/8	1.109	0.859	0.437
AP68-P-4X0	1/4	10-32*	0.968	0.750	0.375
AP68-P-4X2	1/4	1/8	1.031	0.812	0.437
AP68-P-4X4	1/4	1/4	1.188	1.000	0.562
AP68-P-4X6	1/4	3/8	1.250	1.031	0.687
AP68-P-5X2	5/16	1/8	1.046	0.812	0.437
AP68-P-5X4	5/16	1/4	1.234	1.000	0.562
AP68-P-6X2	3/8	1/8	1.093	0.843	0.500
AP68-P-6X4	3/8	1/4	1.281	1.031	0.562
AP68-P-6X6	3/8	3/8	1.281	1.031	0.687
AP68-P-8X4	1/2	1/4	1.343	1.093	0.687
AP68-P-8X6	1/2	3/8	1.343	1.093	0.687
AP68-P-8X8	1/2	1/2	1.585	1.328	0.875

\*Furnished with gaskets.



<b>AP69-P MALE ELBOW</b>						
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AP69-P-2X2	1/8	1/8	0.875	0.625	0.688	0.312
AP69-P-3X2	3/16	1/8	0.875	0.625	0.688	0.375
AP69-P-4X1	1/4	1/16	0.875	0.625	0.688	0.375
AP69-P-4X2	1/4	1/8	0.843	0.625	0.750	0.375
AP69-P-4X4	1/4	1/4	0.875	0.656	0.937	0.375
AP69-P-4X6	1/4	3/8	0.968	0.750	1.031	0.500
AP69-P-5X2	5/16	1/8	0.859	0.625	0.750	0.406
AP69-P-6X2	3/8	1/8	0.875	0.625	0.750	0.437
AP69-P-6X4	3/8	1/4	0.968	0.718	0.937	0.437
AP69-P-6X6	3/8	3/8	1.031	0.781	1.031	0.500
AP69-P-8X6	1/2	3/8	1.031	0.781	1.156	0.625
AP69-P-8X8	1/2	1/2	1.031	0.781	1.285	0.625

**SERIES AP - Brass Tube Fittings for Plastic Tubing**

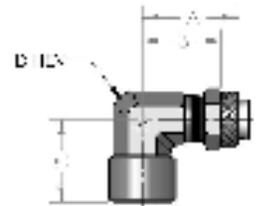
**AP69-L EXTRA LONG MALE ELBOW**

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AP69-L-4X4	1/4	1/4	0.906	0.687	1.500	0.437



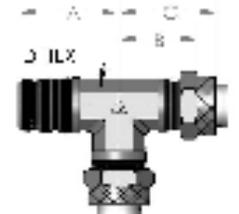
**AP70-P FEMALE ELBOW**

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AP70-P-2X2	1/8	1/8	0.968	0.687	0.546	0.562
AP70-P-3X2	3/16	1/8	0.968	0.718	0.546	0.562
AP70-P-4X2	1/4	1/8	0.906	0.625	0.750	0.375
AP70-P-4X4	1/4	1/4	0.937	0.718	0.875	0.500
AP70-P-6X4	3/8	1/4	0.968	0.718	0.875	0.500
AP70-P-8X6	1/2	3/8	1.156	0.906	0.937	0.625



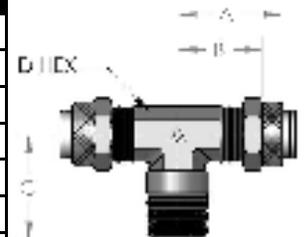
**AP71-P MALE RUN TEE**

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AP71-P-2X2	1/8	1/8	0.906	0.625	0.687	0.312
AP71-P-3X2	3/16	1/8	0.875	0.625	0.687	0.312
AP71-P-4X2	1/4	1/8	0.843	0.625	0.750	0.375
AP71-P-4X4	1/4	1/4	0.875	0.656	0.937	0.375
AP71-P-5X2	5/16	1/8	0.859	0.625	0.750	0.375
AP71-P-6X4	3/8	1/4	0.906	0.656	0.937	0.437
AP71-P-8X6	1/2	3/8	1.062	0.812	1.062	0.625



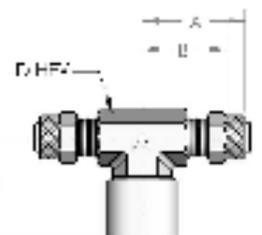
**AP72-P MALE BRANCH TEE**

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AP72-P-2X2	1/8	1/8	0.906	0.625	0.687	0.312
AP72-P-3X2	3/16	1/8	0.875	0.625	0.687	0.312
AP72-P-4X2	1/4	1/8	0.843	0.625	0.750	0.375
AP72-P-4X4	1/4	1/4	0.875	0.656	0.937	0.375
AP72-P-5X2	5/16	1/8	0.859	0.625	0.750	0.375
AP72-P-6X2	3/8	1/8	0.875	0.625	0.750	0.438
AP72-P-6X4	3/8	1/4	0.906	0.656	0.937	0.438
AP72-P-8X6	1/2	3/8	1.062	0.813	1.062	0.625



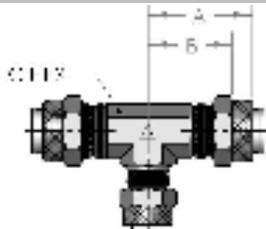
**AP77-P FEMALE BRANCH TEE**

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AP77-P-4X2	1/4	1/8	0.875	0.656	0.937	0.375
AP77-P-4X4	1/4	1/4	1.078	0.844	1.156	0.562
AP77-P-4X6	1/4	3/8	1.078	0.848	1.250	0.562

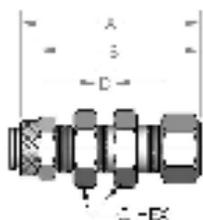




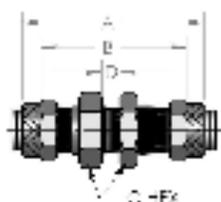
**SERIES AP - Brass Tube Fittings for Plastic Tubing**



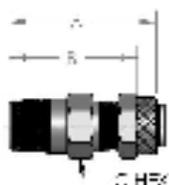
AP79-P UNION REDUCING TEE REDUCING ON BRANCH				
PART NUMBER	TUBE O.D.	A	B	C
AP79-P-6X4	3/8 X 3/8 X 1/4	0.968	0.718	0.438



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	0.562	0.375
AP82-C-6	3/8	2.000	1.437	0.687	0.375



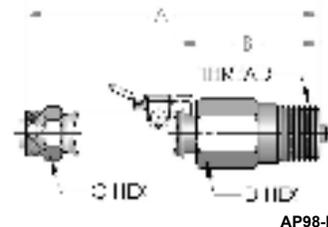
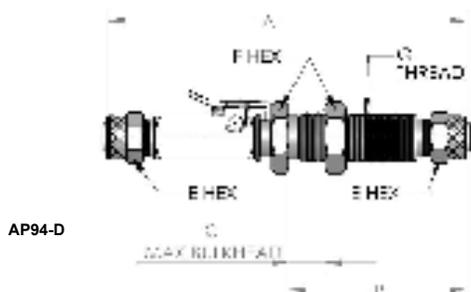
AP82-P BULKHEAD UNION					
PART NUMBER	TUBE O.D.	A	B	C	D
AP82-P-4	1/4	1.687	1.250	0.562	0.312
AP82-P-5	5/16	1.718	1.250	0.625	0.312
AP82-P-6	3/8	1.812	1.312	0.687	0.375
AP82-P-8	1/2	2.062	1.562	0.875	0.375



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	0.875	0.437
AP92-P-4X4	1/4	1/4	1.281	1.062	0.562
AP92-P-5X2	5/16	1/8	1.109	0.875	0.437
AP92-P-6X4	3/8	1/4	1.343	1.093	0.562

**SERIES AP - Brass Tube Fittings for Plastic Tubing**

**QUICK DISCONNECT COUPLERS**



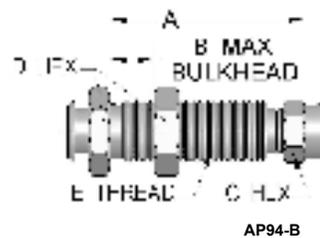
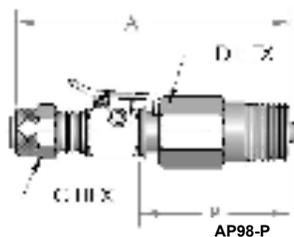
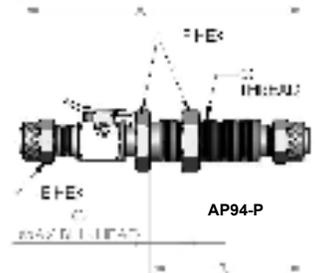
DOUBLE END SHUT-OFF TYPE CHROME PLATED BRASS COUPLERS										
	PART NO.	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F	G THREAD
AP94-D "AP to AP"	AP94-D-4	1/4		3.672	1.790	0.880		0.437	0.625	1/2-24
	AP94-D-6	3/8		3.823	1.965	0.944		0.562	0.812	11/16-24
AP98-D "AP" to Male P.T.	AP98-D-4X2	1/4	1/8	2.888	1.281	0.437	0.500			
	AP98-D-4X4	1/4	1/4	2.910	1.270	0.437	0.562			
	AP98-D-6X4	3/8	1/4	3.015	1.400	0.562	0.625			



**QUICK DISCONNECT COUPLERS**

**SERIES AP - Brass Tube Fittings for Plastic Tubing**

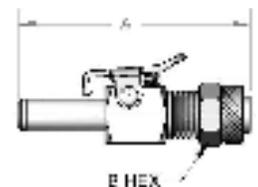
SINGLE END SHUT-OFF TYPE CHROME PLATED BRASS									
	PART NUMBER	O.D.	A	B	C	D	E	F	G THREAD
<b>AP94-P Couplers "AP to AP"</b>	AP94-P-4	1/4	3.000	1.718	0.812	0.437	.625		1/2-24
	AP94-P-6	3/8	3.562	1.921	0.937	0.562	.812		1/16-24
	PART NUMBER	O.D.	PIPE	A	B	C	D		
<b>AP98-P Couplers "AP" to Male P.T.</b>	AP98-P-4X2	1/4	1/8	2.312	1.281	0.437	0.500		
	AP98-P-4X4	1/4	1/4	2.312	1.281	0.437	0.562		
	AP98-P-6X4	3/8	1/4	2.625	1.421	0.562	0.625		



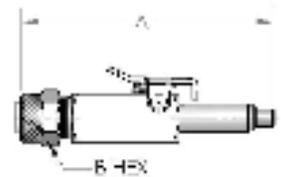
SINGLE END OR DOUBLE END SHUT-OFF TYPE BODY ONLY CHROME PLATED BRASS							
	PART NUMBER	TUBE O.D.	A	B	C	D	E THREAD
<b>With "AP" Connection</b>	AP94-B-4	1/4	1.790	0.625	0.437	0.625	1/2-24
	AP94-B-6	3/8	1.965	0.812	0.562	0.812	11/16-24
	PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	
<b>With Male P.T. Connection</b>	AP98-T-4X2	1/4	1/8	1.281	0.500		
	AP98-T-4X4	1/4	1/4	1.270	0.562		
	AP98-T-6X4	3/8	1/4	1.400	0.625		



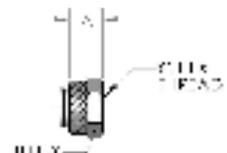
SINGLE END SHUT-OFF TYPE INSERT ONLY CHROME PLATED BRASS					
	PART NUMBER	TUBE O.D.	USED WITH	A	B
<b>With "AP" Connection</b>	AP94-M-4	1/4	AP98-T-4X2	1.693	0.437
			AP98-T-4X4		
	AP94-M-6	3/8	AP98-T-6X4	1.925	0.562



DOUBLE END SHUT-OFF TYPE INSERT ONLY CHROME PLATED BRASS					
	PART NUMBER	TUBE O.D.	USED WITH	A	B
<b>With "AP" Connection</b>	AP94-MD-4	1/4	AP98-T-4X2	2.402	0.437
			AP98-T-4X4		
	AP94-MD-6	3/8	AP98-T-6X4	2.460	0.562



APC61-P NUT AND PLASTIC SLEEVE ASSEMBLY- CHROME PLATED BRASS					
	PART NUMBER	TUBE O.D.	A	B	C
	APC61-P-4	1/4	0.343	0.437	3/8-24
	APC61-P-6	3/8	0.375	0.562	1/2-24





**SERIES 60 - COMPRESSION FITTINGS**

**PRODUCT SPECIFICATIONS**

**TEMPERATURE RANGE**

**-40 ° F to 325° F**

**PRESSURE**

**250 PSI NOMINAL**

**400 PSI MAXIMUM**

**SHAPES MATERIAL**

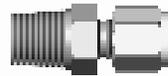
**FORGED SAE CA377 BRASS**

**STRAIGHTS MATERIAL**

**SAE C360 BRASS**

**COMPATIBLE TUBING :**

**COPPER, BRASS, ALUMINUM, AND THERMOPLASTIC.**



**68 COMPRESSION MALE CONNECTOR**

PART No.	TUBE O.D.	PIPE THREAD
68-42	1/4	1/8
68-44	1/4	1/4
68-46	1/4	3/8
68-62	3/8	1/8
68-64	3/8	1/4
68-66	3/8	3/8
68-68	3/8	1/2
68-84	1/2	1/4
68-86	1/2	3/8
68-88	1/2	1/2
68-108	5/8	1/2

**60 COMPRESSION SLEEVE**

PART NO.	TUBE	O.D.
60-4	1/4	
60-6	3/8	
60-8	1/2	



**60 COMPRESSION NUT**

PART NO.	TUBE	O.D.
61-4	1/4	
61-6	3/8	
61-8	1/2	



**69 COMPRESSION MALE ELBOW**

PART No.	TUBE O.D.	PIPE THREAD
69-42	1/4	1/8
69-44	1/4	1/4
69-46	1/4	3/8
69-62	3/8	1/8
69-64	3/8	1/4
69-66	3/8	3/8
69-68	3/8	1/2
69-84	1/2	1/4
69-86	1/2	3/8
69-88	1/2	1/2
69-106	5/8	3/8
69-108	5/8	1/2

**62 COMPRESSION UNION**

PART NO.	TUBE	O.D.
62-4	1/4	
62-6	3/8	
62-8	1/2	
62-10	5/8	



**64 COMPRESSION UNION TEE**

PART NO.	TUBE	O.D.
64-4	1/4	
64-6	3/8	
64-8	1/2	



**70 COMPRESSION FEMALE ELBOW**

PART No.	TUBE O.D.	PIPE THREAD
70-42	1/4	1/8
70-44	1/4	1/4
70-64	3/8	1/4
70-88	1/2	1/2

**65 COMPRESSION UNION ELBOW**

PART NO.	TUBE	O.D.
65-4	1/4	
65-6	3/8	
65-8	1/2	



**71 COMPRESSION MALE RUN TEE**

PART No.	TUBE O.D.	PIPE THREAD
71-42	1/4	1/8
71-64	3/8	1/4
71-86	1/2	3/8
71-108	5/8	1/2

**66 COMPR. FEMALE CONNECTOR**

PART NO.	TUBE	O.D.	PIPE THREAD
66-42	1/4		1/8
66-44	1/4		1/4
66-64	3/8		1/4
66-66	3/8		3/8

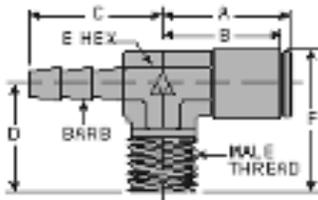


**72 COMPRESSION MALE BRANCH TEE**

PART No.	TUBE O.D.	PIPE THREAD
72-42	1/4	1/8
72-44	1/4	1/4
72-64	3/8	1/4
72-86	1/2	3/8
72-88	1/2	1/2



## Customized Fittings...



**Alkon Corporation has the flexibility to offer to you standard “out of the catalogue” components, as well as customized products.**

**We are large enough to handle any order, yet we are small enough to still be able to give you personal service.**

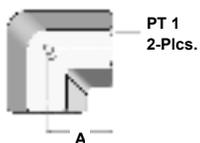


**SERIES 100 - Pipe Fittings**

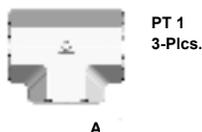
**PRODUCT SPECIFICATIONS**

<b>TEMPERATURE RANGE</b>
<b>PRESSURE</b>
<b>SHAPES MATERIAL</b>
<b>STRAIGHTS MATERIAL</b>
<b>CONFORMS TO SAE BRASS PIPE FITTINGS STANDARDS (HEAVY PATTERN)</b>

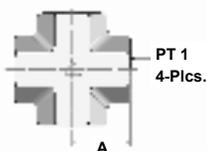
**-40 ° F to 325° F**  
**250 PSI NOMINAL / 400 PSI MAX**  
**FORGED SAE CA377 BRASS**  
**EXTRUDED SAE C360 BRASS**



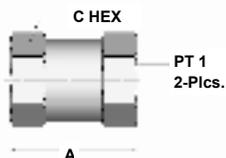
<b>100A 90° UNION ELBOW</b>			
PART NUMBER	PT 1	MIN. ORIFICE SIZE	A
100A-2x2	1/8	0.328	0.546
100A-4x4	1/4	0.422	0.781
100A-6x6	3/8	0.562	0.812
100A-8x8	1/2	0.687	1.015



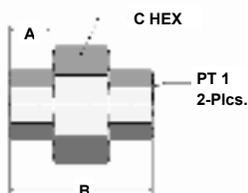
<b>101A UNION TEE</b>			
PART NUMBER	PT 1	MIN. ORIFICE SIZE	A
101A-2x2	1/8	0.328	0.546
101A-4x4	1/4	0.422	0.719
101A-6x6	3/8	0.562	0.840
101A-8x8	1/2	0.687	1.230



<b>102A CROSS</b>			
PART NUMBER	PT 1	MIN. ORIFICE SIZE	A
102A-2	1/8	0.328	0.546
102A-4	1/4	0.422	0.781
102A-6	3/8	0.562	0.840
102A-8	1/2	0.687	1.090



<b>103A COUPLING</b>				
PART NUMBER	PT 1	A	C HEX	
103A-2	1/8	0.750	0.562	
103A-4	1/4	1.120	0.750	
103A-6	3/8	1.125	0.875	
103A-8	1/2	1.500	1.062	

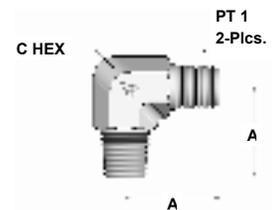


<b>104A UNION</b>						
PART NUMBER	PT 1	MIN. ORIFICE SIZE	A	B	C HEX	
104A-2	1/8	0.328	1.265	0.312	0.937	
104A-4	1/4	0.437	1.468	0.687	1.062	
104A-6	3/8	0.562	1.625	0.875	1.312	

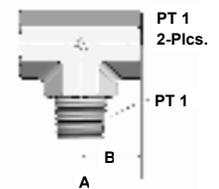


**SERIES 100 - Pipe Fittings**

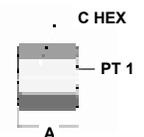
<b>106A FORGED MALE ELBOW</b>			
PART NUMBER	PT 1	A	C HEX
106A-2	1/8	0.69	5/16
106A-4	1/4	1.00	1/2
106A-6	3/8	1.06	5/8
106A-8	1/2	1.28	11/16



<b>107A BRANCH TEE</b>			
PART NUMBER	PT 1	A	B
107A-2	1/8	0.620	0.310
107A-4	1/4	1.500	0.350
107A-6	3/8	1.600	0.800
107A-8	1/2	2.180	1.090



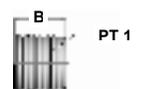
<b>108A CAP</b>			
PART NUMBER	PT 1	A	C HEX
108A-2	1/8	0.500	0.563
108A-4	1/4	0.750	0.750
108A-6	3/8	0.875	0.875
108A-8	1/2	1.063	1.063



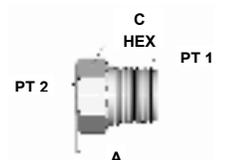
<b>109A SQUARE-HEAD PLUG</b>				
PART NUMBER	PT 1	A	B	C SQUARE
109A-2	1/8	0.609	0.340	0.281
109A-4	1/4	0.813	0.500	0.375
109A-6	3/8	0.844	0.500	0.438
109A-8	1/2	1.078	0.678	0.563



<b>109AL COUNTERSUNK HEX-HEAD PLUG</b>			
PART NUMBER	PT 1	B	
109AL-2	1/8	0.30	
109AL-4	1/4	0.40	
109AL-6	3/8	0.40	

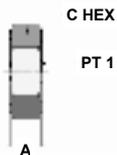


<b>110A BUSHING</b>						
PART NUMBER	PT 1	PT 2	MIN. ORIFICE SIZE	A	C HEX	
110A-4X2	1/4	1/8	0.312	0.750	0.562	
110A-6X2	3/8	1/8	0.328	0.750	0.688	
110A-6X4	3/8	1/4	0.422	0.750	0.750	
110A-8X2	1/2	1/8	0.328	1.000	0.875	
110A-8X4	1/2	1/4	0.422	1.000	0.875	
110A-8X6	1/2	3/8	0.562	1.000	0.875	
110A-12X4	3/4	1/4	0.437	1.000	1.125	
110A-12X6	3/4	3/8	0.562	1.000	1.125	
110A-12X8	3/4	1/2	0.687	1.000	1.125	

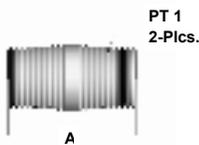




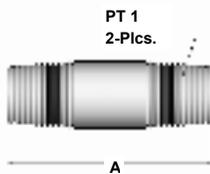
**SERIES 100 - Pipe Fittings**



<b>111A LOCK NUT</b>			
PART NUMBER	PT 1	A	C HEX
111A-2	1/8	0.187	0.625
111A-4	1/4	0.250	0.687
111A-6	3/8	0.250	0.937
111A-8	1/2	0.250	1.125



<b>112A 90° CLOSE NIPPLE</b>			
PART NUMBER	PT 1	MIN. ORIFICE SIZE	A
112A-2	1/8	0.265	0.75
112A-4	1/4	0.358	1.125
112A-6	3/8	0.422	1.125
112A-8	1/2	0.531	1.500
112A-12	3/4	0.750	1.310

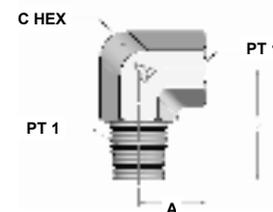


<b>113A LONG NIPPLE</b>			
PART NUMBER	PT 1	MIN. ORIFICE SIZE	A
113A-2X24	1/8	0.265	1.500
113A-2X32	1/8	0.265	2.000
113A-2X40	1/8	0.281	2.500
113A-2X48	1/8	0.281	3.000
113A-2X56	1/8	0.281	3.500
113A-4X24	1/4	0.358	1.500
113A-4X32	1/4	0.375	2.000
113A-4X40	1/4	0.375	2.500
113A-4X48	1/4	0.375	3.000
113A-4X56	1/4	0.375	3.500
113A-6X24	3/8	0.500	1.500
113A-6X32	3/8	0.500	2.000
113A-6X40	3/8	0.500	2.500
113A-6X48	3/8	0.500	3.000
113A-6X56	3/8	0.500	3.500
113A-8X24	1/2	0.625	1.500
113A-8X32	1/2	0.625	2.000
113A-8X40	1/2	0.625	2.500
113A-8X48	1/2	0.625	3.000
113A-8X56	1/2	0.625	3.500



**SERIES 100 - Pipe Fittings**

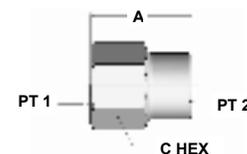
<b>116A 90° STREET ELBOW</b>				
PART NUMBER	PT 1	MIN. ORIFICE SIZE	A	B
116A-2X2	1/8	0.187	0.546	0.812
116A-4X2	1/4	0.312	0.718	1.031
116A-4X4	1/4	0.312	0.718	1.031
116A-6X6	3/8	0.437	0.718	1.187
116A-8X8	1/2	0.562	1.171	1.437



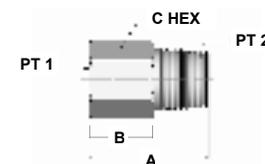
<b>117A SLOTTED HEAD PLUG</b>		
PART NUMBER	PT 1	A
117A-2	1/8	0.312
117A-4	1/4	0.469



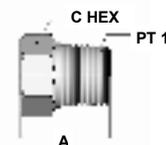
<b>119A REDUCING ADAPTER</b>				
PART NUMBER	PT 1	PT 2	A	C HEX
119A-4X2	1/4	1/8	0.970	0.750
119A-6X4	3/8	1/4	1.160	0.875
119A-8X4	1/2	1/4	1.190	0.937
119A-8X6	1/2	3/8	1.375	1.062
119A-12X8	3/4	3/8	1.190	1.125



<b>120A ADAPTER</b>						
PART NUMBER	PT 1	PT 2	MIN. ORIFICE SIZE	A	B	C HEX
120A-2X2	1/8	1/8	0.191	0.906	0.531	0.500
120A-4X2	1/4	1/8	0.219	1.063	0.688	0.750
120A-4X4	1/4	1/4	0.312	1.250	0.688	0.750
120A-6X2	3/8	1/8	0.219	1.070	0.688	0.875
120A-6X4	3/8	1/4	0.312	1.250	0.688	0.875
120A-6X6	3/8	3/8	0.438	1.250	0.688	0.875
120A-8X6	1/2	3/8	0.406	1.469	0.906	1.062
120A-8X8	1/2	1/2	0.562	1.660	0.906	1.062

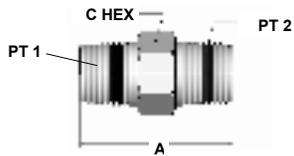


<b>121A HEX-HEAD PLUG</b>			
PART NUMBER	PT 1	A	C HEX
121A-2	1/8	0.531	0.437
121A-4	1/4	0.750	0.562
121A-6	3/8	0.781	0.562
121A-8	1/2	0.969	0.750
121A-12	3/4	1.062	0.750

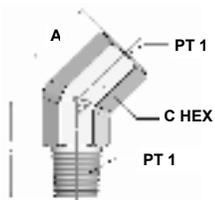




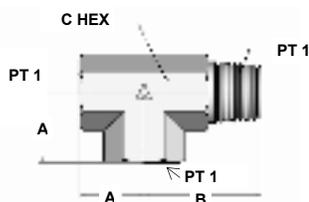
**SERIES 100 - Pipe Fittings**



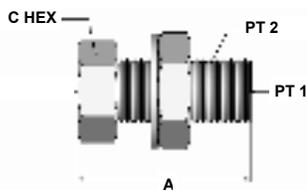
<b>122A HEX NIPPLE</b>						
PART NUMBER	PT 1	PT 2	MIN. ORIFICE SIZE	A	B	C HEX
122A-2X2	1/8	1/8	0.187	0.906	0.375	0.437
122A-4X2	1/4	1/8	0.219	1.190	0.375	0.562
122A-4X4	1/4	1/4	0.312	1.375	0.562	0.562
122A-6X4	3/8	1/4	0.312	1.406	0.562	0.687
122A-6X6	3/8	3/8	0.437	1.406	0.562	0.687
122A-8X4	1/2	1/4	0.312	1.620	0.562	0.875
122A-8X6	1/2	3/8	0.437	1.620	0.562	0.875
122A-8X8	1/2	1/2	0.562	1.812	0.750	0.875



<b>124A 45° STREET ELBOW</b>				
PART NUMBER	PT 1	MIN. ORIFICE SIZE	A	B
124A-2X2	1/8	0.218	0.750	0.687
124A-4X4	1/4	0.312	0.875	0.781
124A-6X6	3/8	0.406	1.000	0.875
124A-8X8	1/2	0.500	1.125	1.218



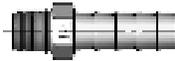
<b>127A STREET TEE</b>				
PART NUMBER	PT 1	MIN. ORIFICE SIZE	A	B
127A-2	1/8	0.219	0.550	0.820
127A-4	1/4	0.312	0.781	1.080
127A-6	3/8	0.437	0.840	1.230
127A-8	1/2	0.562	1.090	1.490



<b>129A BULKHEAD ADAPTER</b>					
PART NUMBER	PT 1	PT2	MIN. ORIFICE SIZE	A	C HEX
129A-2X24	1/8	5/8-18	0.328	1 1/2	0.875
129A-4X15	1/4	3/4-16	0.421	15/16	1.000
129A-4X24	1/4	3/4-16	0.421	1 1/2	1.000
129A-6X21	3/8	1 -14	0.562	1 5/16	1.125
129A-8X24	1/2	1 1/8-14	0.687	1 1/2	1.250

**SERIES 29 - Barb Adapters & Garden Hose Fittings**

<b>MALE CONNECTOR</b>		
PART NUMBER	HOSE	PIPE
29-22	1/8	1/8
29-32	3/16	1/8
29-42	1/4	1/8
29-44	1/4	1/4
29-46	1/4	3/8
29-52	5/16	1/8
29-54	5/16	1/4
29-64	3/8	1/4
29-66	3/8	3/8
29-68	3/8	1/2
29-84	1/2	1/4
29-86	1/2	3/8
29-88	1/2	1/2



**PRODUCT SPECIFICATIONS**

**TEMPERATURE RANGE**

+ 30 ° F to 200 ° F

**STRAIGHTS MATERIAL**

SAE C360 BRASS

**SHAPES MATERIAL**

FORGED SAE CA377 BRASS

**INTENDED FOR USE :** WITH HOSE CLAMP (PLASTIC TUBING OR RUBBER HOSE). BARB SIZE IS HOSE ID.

<b>MALE ELBOW FORGING</b>		
PART NUMBER	HOSE	PIPE
29E-42	1/4	1/8
29E-44	1/4	1/4
29E-64	3/8	1/4
29E-66	3/8	3/8
29E-84	1/2	1/4
29E-86	1/2	3/8
29E-88	1/2	1/2



<b>HOSE SPLICER</b>		
PART NUMBER	HOSE	PIPE
29S-4	1/4	1/4
29S-5	5/16	5/16
29S-6	3/8	3/8
29S-8	1/2	1/2



<b>MALE GARDEN HOSE SWIVEL CONNECTOR</b>		
PART NUMBER	HOSE	PIPE
29MGH-1212	3/4	3/4



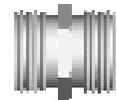
<b>FEMALE GARDEN HOSE THREAD SWIVEL</b>		
PART NUMBER	HOSE	PIPE
29FGH-1212	3/4	3/4



<b>FEMALE CONNECTOR</b>		
PART NUMBER	HOSE	PIPE
29F-42	1/4	1/8
29F-44	1/4	1/4
29F-54	5/16	1/4
29F-64	3/8	1/4
29F-66	3/8	3/8
29F-86	1/2	3/8
29F-88	1/2	1/2



<b>MALE GARDEN THREAD WITH 1/2 NPT TAP</b>		
PART NUMBER	HOSE	PIPE
86GHT	3/4	3/4



<b>CAP FEMALE THREAD GARDEN HOSE</b>		
PART NUMBER	HOSE	PIPE
87GH	3/4	3/4



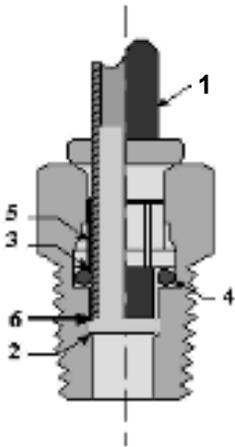
<b>FEMALE BALL &amp; SWIVEL CONNECTOR</b>		
PART NUMBER	HOSE	PIPE
29FS-44	1/4	1/4
29FS-54	5/16	1/4
29FS-64	3/8	1/4
29FS-66	3/8	3/8
29FS-86	1/2	3/8
29FS-88	1/2	1/2



<b>GARDEN HOSE WASHER</b>		
PART NUMBER	HOSE	PIPE
GHW	3/4	



## HOW TO USE THE ALKON DOT PUSH IN FITTING



When tubing (1) is inserted into the fitting, it first passes through the brass tube support (2). This, combined with the action of the gripper, insures that the air brake hose assembly will safely exceed the tensile requirements of FMVSS 571.106. The tubing then passes through the gripping teeth (3). The tubing continues beyond the gripping teeth through the inside diameter of the lubricated "O" ring (4), which seals on the outside diameter of the tubing. The gripping teeth grab the tube. Pulling back on the tube only tightens the grip as the insert moves onto the camming surface (5). Pressure through the tube also serves to tighten the grip. The tube bottoms against a positive tube stop (6) in a cavity which keeps tube round 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.

### SPECIFICATIONS

<b>STANDARDS</b>	D.O.T. FMVSS 571.106 Air Brake Performance Requirements.
	SAE J1131, J2494-1 & J2494-3 Air Brake Performance Requirements.
<b>MATERIALS OF CONSTRUCTION</b>	Body (straights), tube supports and grippers : Brass CA360.
	Forged Elbows and Tees : Brass CA377.
	"O" Ring : NBR-269, alternate compounds on request.
<b>TEMPERATURE RANGE</b>	-40 ° F to 212 ° F (other ranges available upon request).
<b>THREADS</b>	NPTF Standard. For other thread standards consult factory.
<b>TUBE "OD" SIZES</b>	5/32", 3/16", 1/4", 3/8", 1/2", 5/8", 3/4" standard.
<b>SWIVEL ELBOWS AND TEES</b>	Designed for alignment purposes only.
<b>FOR USE WITH</b>	J844 Tubing.
<b>CAD DATA</b>	Available upon request.
<b>LIVE SWIVEL</b>	Features self sealed ball bearings with a low friction Buna rotary seal to provide optimum performance and rugged reliability. Max. RPM : 40
<b>PRODUCT FEATURES</b>	
<b>POSITIVE SEAL</b>	Tube support area beyond "O" ring exceeds that of all competitive products. Compensates for bias cut tubing and dramatically reduces trouble shooting time.
<b>SWIVEL &amp; FIXED ELBOWS &amp; TEES</b>	Convenient swivel threaded fittings that allow close center line installation, eliminating orientation problems. Fixed fittings offer the utmost in economy.
<b>THREAD SEALANT</b>	Pre-applied at no charge to all AQ-DOT male threads. Thread Sealant : Loctite 516.
<b>CUSTOM DESIGNS</b>	Alkon offer custom parts on short notice and welcomes these opportunities.



**SERIES AQ-DOT - Air Brake Brass Push-In Fittings**

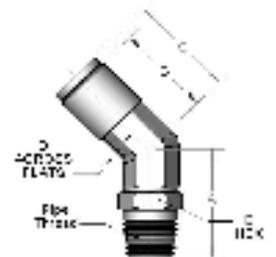
<b>AQ18-DOTLS GLADHAND "LIVE SWIVEL" MALE CONNECTOR</b>					
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C
AQ18-DOTLS-6X8	3/8	1/2	1.82	1.72	7/8
AQ18-DOTLS-8X8	1/2	1/2	1.96	1.86	7/8



<b>AQ54-DOT 45° MALE ELBOW</b>						
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D
AQ54-DOT-4X2	1/4	1/8	0.83	0.89	0.99	3/8
AQ54-DOT-4X4	1/4	1/4	0.91	0.89	0.99	3/8
AQ54-DOT-6X2	3/8	1/8	0.75	0.89	0.99	1/2
AQ54-DOT-6X4	3/8	1/4	0.95	0.98	1.08	1/2
AQ54-DOT-6X6	3/8	3/8	0.89	0.98	1.08	1/2
AQ54-DOT-6X8	3/8	1/2	1.13	1.08	1.18	5/8
AQ54-DOT-8X4	1/2	1/4	1.00	1.24	1.34	5/8
AQ54-DOT-8X6	1/2	3/8	1.05	1.10	1.20	5/8
AQ54-DOT-8X8	1/2	1/2	1.20	1.10	1.20	5/8
AQ54-DOT-10X6	5/8	3/8	1.17	1.12	1.22	11/16
AQ54-DOT-10X8	5/8	1/2	1.31	1.12	1.22	11/16
AQ54-DOT-12X8	3/4	1/2	1.36	1.08	1.18	15/16
AQ54-DOT-12X12	3/4	3/4	1.36	1.08	1.18	15/16



<b>AQ54-DOTS SWIVEL 45° MALE ELBOW</b>							
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E
AQ54-DOTS-4X2	1/4	1/8	0.99	0.89	0.99	3/8	7/16
AQ54-DOTS-4X4	1/4	1/4	1.1	0.89	0.99	3/8	9/16
AQ54-DOTS-6X2	3/8	1/8	1.07	0.98	1.08	1/2	7/16
AQ54-DOTS-6X4	3/8	1/4	1.07	0.98	1.08	1/2	9/16
AQ54-DOTS-6X6	3/8	3/8	1.23	0.98	1.08	1/2	11/16
AQ54-DOTS-8X4	1/2	1/4	1.22	1.12	1.22	5/8	9/16
AQ54-DOTS-8X6	1/2	3/8	1.32	1.10	1.20	5/8	11/16
AQ54-DOTS-8X8	1/2	1/2	1.61	1.10	1.20	5/8	7/8
AQ54-DOTS-10X8	5/8	1/2	1.69	1.23	1.33	11/16	7/8
AQ54-DOTS-12X12	3/4	3/4	2.19	1.24	1.32	15/16	1 1/16

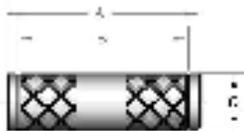


<b>AQ59 NYLON PLUG</b>			
PART NUMBER	A	B	C
AQ59-P-5/32	5/32	1.16	0.32
AQ59-P-4	1/4	1.40	0.43
AQ59-P-6	3/8	1.40	0.55
AQ59-P-8	1/2	1.50	0.7

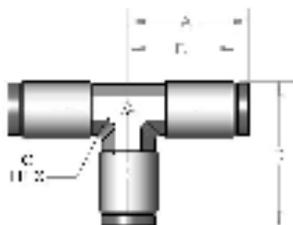




**SERIES AQ-DOT - Air Brake Brass Push-In Fittings**



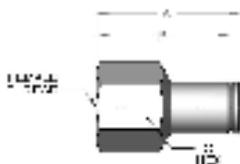
<b>AQ62-DOT UNION CONNECTOR</b>					
PART NUMBER	TUBE O.D.	A	B	C	
AQ62-DOT-5/32	5/32	1.38	1.18	0.37	
AQ62-DOT-4	1/4	1.78	1.58	0.44	
AQ62-DOT-6	3/8	1.84	1.62	0.69	
AQ62-DOT-8	1/2	1.98	1.82	0.81	
AQ62-DOT-10	5/8	2.04	1.84	0.94	
AQ62-DOT-12	3/4	2.20	2.00	1.06	



<b>AQ64-DOT UNION TEE</b>						
PART NUMBER	TUBE O.D.	A	B	C	D	
AQ64-DOT-4	1/4	1.02	0.92	3/8	1.26	
AQ64-DOT-6	3/8	1.08	0.98	1/2	1.38	
AQ64-DOT-8	1/2	1.26	1.16	5/8	1.62	
AQ64-DOT-10	5/8	1.29	1.19	11/16	1.72	
AQ64-DOT-12	3/4	1.44	1.34	15/16	1.88	



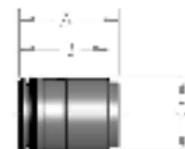
<b>AQ65-DOT UNION ELBOW</b>						
PART NUMBER	TUBE O.D.	A	B	C	D	
AQ65-DOT-4	1/4	1.01	0.91	3/8	1.24	
AQ65-DOT-6	3/8	1.08	0.98	1/2	1.38	
AQ65-DOT-8	1/2	1.25	1.15	5/8	1.60	



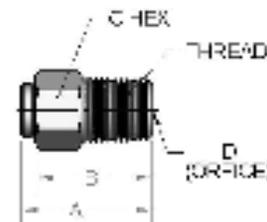
<b>AQ66-DOT FEMALE CONNECTOR</b>						
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	
AQ66-DOT-4X2	1/4	1/8	1.33	1.23	9/16	
AQ66-DOT-4X4	1/4	1/4	1.52	1.42	3/4	
AQ66-DOT-6X4	3/8	1/4	1.4	1.3	3/4	
AQ66-DOT-6X6	3/8	3/8	1.51	1.41	7/8	
AQ66-DOT-8X6	1/2	3/8	1.61	1.51	7/8	
AQ66-DOT-8X8	1/2	1/2	1.81	1.73	1	1/8

**SERIES AQ-DOT - Air Brake Brass Push-In Fittings**

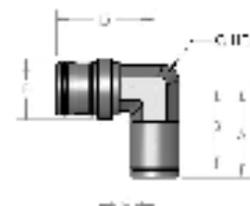
<b>AQ688-DOT PRESS-IN CARTRIDGE</b>				
PART NUMBER	TUBE O.D.	A	B	C
AQ688-DOT-5/32	5/32	0.69	0.59	0.32
AQ688-DOT-3	3/16	0.78	0.68	0.41
AQ688-DOT-4	1/4	0.86	0.76	0.41
AQ688-DOT-4X6	1/4	0.86	0.76	0.64
AQ688-DOT-6	3/8	0.86	0.76	0.64
AQ688-DOT-6X8	3/8	1.01	0.91	0.77
AQ688-DOT-8	1/2	1.01	0.91	0.77
AQ688-DOT-10	5/8	1.10	1.00	0.92
AQ688-DOT-12	3/4	1.16	1.06	1.06



<b>AQ68-DOT MALE CONNECTOR</b>							
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	
AQ68-DOT-5/32X1	5/32	1/16	0.77	0.67	3/8	0.09	
AQ68-DOT-5/32X2	5/32	1/8	0.77	0.67	7/16	0.09	
AQ68-DOT-4X1	1/4	1/16	1.02	0.92	7/16	0.14	
AQ68-DOT-4X2	1/4	1/8	1.02	0.92	7/16	0.14	
AQ68-DOT-4X4	1/4	1/4	1.06	0.96	9/16	0.14	
AQ68-DOT-4X6	1/4	3/8	1.12	1.02	11/16	0.14	
AQ68-DOT-6X2	3/8	1/8	1.28	1.18	11/16	0.23	
AQ68-DOT-6X4	3/8	1/4	1.21	1.11	11/16	0.23	
AQ68-DOT-6X6	3/8	3/8	1.12	1.02	11/16	0.23	
AQ68-DOT-6X8	3/8	1/2	1.12	1.02	7/8	0.23	
AQ68-DOT-8X4	1/2	1/4	1.46	1.36	13/16	0.35	
AQ68-DOT-8X6	1/2	3/8	1.4	1.3	13/16	0.37	
AQ68-DOT-8X8	1/2	1/2	1.33	1.23	7/8	0.37	
AQ68-DOT-10X6	5/8	3/8	1.44	1.34	15/16	0.42	
AQ68-DOT-10X8	5/8	1/2	1.6	1.5	15/16	0.42	
AQ68-DOT-12X8	3/4	1/2	1.38	1.28	1 1/16	0.53	
AQ68-DOT-12X12	3/4	3/4	1.38	1.28	1 1/16	0.53	

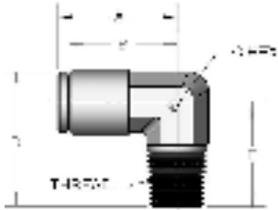


<b>AQ698-DOTS PRESS-IN CARTRIDGE ELBOW</b>							
PART NUMBER	TUBE O.D.	A	B	C	D	E	F
AQ698-DOTS-5/32	5/32	0.79	0.69	3/8	0.95	0.60	0.50
AQ698-DOTS-4	1/4	0.99	0.89	3/8	0.75	0.45	0.56
AQ698-DOTS-6	3/8	1.08	0.98	1/2	1.25	0.65	0.81
AQ698-DOTS-8	1/2	1.26	1.16	5/8	1.31	0.78	0.88
AQ698-DOTS-10	5/8	1.33	1.23	11/16	1.41	0.88	1.06



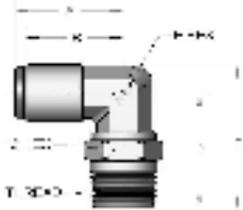


**SERIES AQ-DOT - Air Brake Brass Push-In Fittings**



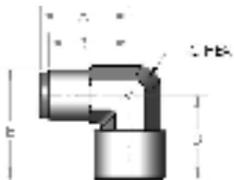
**AQ69-DOT MALE ELBOW**

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E
AQ69-DOT-5/32X2	5/32	1/8	0.77	0.67	5/16	0.67	0.85
AQ69-DOT-4X2	1/4	1/8	1.01	0.91	3/8	0.75	0.99
AQ69-DOT-4X4	1/4	1/4	1.04	0.94	3/8	0.96	1.20
AQ69-DOT-4X6	1/4	3/8	1.10	1.00	1/2	0.98	1.27
AQ69-DOT-6X2	3/8	1/8	1.08	0.98	1/2	0.80	1.10
AQ69-DOT-6X4	3/8	1/4	1.08	0.98	1/2	0.94	1.25
AQ69-DOT-6X6	3/8	3/8	1.08	0.98	1/2	0.98	1.28
AQ69-DOT-6X8	3/8	1/2	1.14	1.04	5/8	1.19	1.56
AQ69-DOT-8X4	1/2	1/4	1.25	1.15	5/8	1.05	1.45
AQ69-DOT-8X6	1/2	3/8	1.25	1.15	5/8	1.05	1.45
AQ69-DOT-8X8	1/2	1/2	1.26	1.16	5/8	1.26	1.66
AQ69-DOT-10X6	5/8	3/8	1.27	1.17	11/16	1.13	1.59
AQ69-DOT-10X8	5/8	1/2	1.33	1.23	11/16	1.28	1.76
AQ69-DOT-12X8	3/4	1/2	1.32	1.22	15/16	1.36	1.90
AQ69-DOT-12X12	3/4	3/4	1.32	1.22	15/16	1.40	1.96



**AQ69-DOTS SWIVEL MALE ELBOW**

PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F
AQ69-DOTS-5/32X2	5/32	1/8	0.79	0.69	3/8	0.91	7/16	1.13
AQ69-DOTS-5/32X4	5/32	1/8	0.79	0.69	9/16	1.02	7/16	1.25
AQ69-DOTS-4X2	1/4	1/8	0.99	0.89	3/8	0.88	7/16	1.13
AQ69-DOTS-4X4	1/4	1/4	0.99	0.89	3/8	1.02	9/16	1.25
AQ69-DOTS-4X6	1/4	3/8	1.08	0.98	1/2	1.14	11/16	1.43
AQ69-DOTS-6X2	3/8	1/8	1.08	0.98	1/2	1.08	7/16	1.38
AQ69-DOTS-6X4	3/8	1/4	1.08	0.98	1/2	1.14	9/16	1.44
AQ69-DOTS-6X6	3/8	3/8	1.08	0.98	1/2	1.19	11/16	1.49
AQ69-DOTS-6X8	3/8	1/2	1.08	0.98	1/2	1.52	7/8	1.82
AQ69-DOTS-8X4	1/2	1/4	1.26	1.16	5/8	1.26	9/16	1.61
AQ69-DOTS-8X6	1/2	3/8	1.26	1.16	5/8	1.34	11/16	1.68
AQ69-DOTS-8X8	1/2	1/2	1.26	1.16	5/8	1.61	7/8	1.96
AQ69-DOTS-10X6	5/8	3/8	1.33	1.23	11/16	1.41	11/16	1.88
AQ69-DOTS-10X8	5/8	1/2	1.33	1.23	11/16	1.71	7/8	2.18
AQ69-DOTS-12X8	3/4	1/2	1.32	1.22	15/16	2.20	1 1/16	2.56
AQ69-DOTS-12X12	3/4	3/4	1.32	1.22	15/16	2.30	1 1/16	2.60

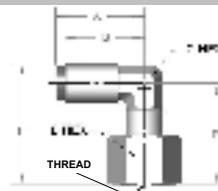


**AQ70-DOT FEMALE ELBOW**

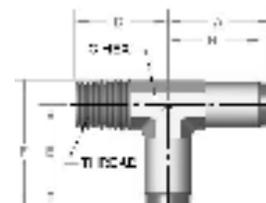
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E
AQ70-DOT-4X2	1/4	1/8	1.02	0.92	3/8	0.83	1.06
AQ70-DOT-4X4	1/4	1/4	1.12	1.02	1/2	1.02	1.31
AQ70-DOT-4X6	1/4	3/8	1.21	1.11	5/8	0.98	1.35
AQ70-DOT-6X4	3/8	1/4	1.06	0.96	1/2	0.94	1.25
AQ70-DOT-6X6	3/8	3/8	1.08	0.98	5/8	0.91	1.27
AQ70-DOT-8X8	1/2	1/2	1.24	1.14	5/8	1.21	1.57

**SERIES AQ-DOT - Air Brake Brass Push-In Fittings**

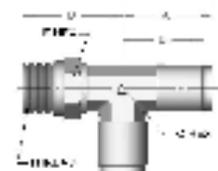
<b>AQ70-DOTS SWIVEL FEMALE ELBOW</b>									
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F	
AQ70-DOTS-4X4	1/4	1/4	0.98	0.90	3/8	1.26	3/4	1.50	



<b>AQ71-DOT MALE RUN TEE</b>									
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F	
AQ71-DOT-4X2	1/4	1/8	1.02	0.92	3/8	0.74	1.00	1.24	
AQ71-DOT-4X4	1/4	1/4	1.02	0.92	7/16	0.92	1.00	1.27	
AQ71-DOT-6X4	3/8	1/4	1.08	0.98	1/2	0.98	1.08	1.39	
AQ71-DOT-6X6	3/8	3/8	1.08	0.98	1/2	0.98	1.07	1.37	
AQ71-DOT-8X6	1/2	3/8	1.24	1.14	5/8	1.05	1.24	1.60	



<b>AQ71-DOTS SWIVEL MALE RUN TEE</b>									
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F	
AQ71-DOTS-4X2	1/4	1/8	1.00	0.92	3/8	1.05	7/16	1.26	
AQ71-DOTS-4X4	1/4	1/4	1.20	0.92	3/8	1.24	9/16	1.26	
AQ71-DOTS-6X4	3/8	1/4	1.10	1.00	1/2	1.14	9/16	1.45	
AQ71-DOTS-6X6	3/8	3/8	1.08	0.98	1/2	1.18	11/16	1.38	
AQ71-DOTS-8X6	1/2	3/8	1.24	1.14	5/8	1.31	11/16	1.59	
AQ71-DOTS-8X8	1/2	1/2	1.24	1.14	5/8	1.61	7/8	1.59	



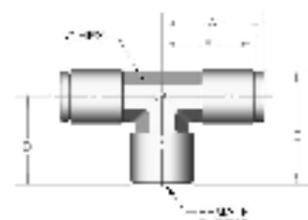
<b>AQ72-DOT MALE RUN TEE</b>									
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E		
AQ72-DOT-4X2	1/4	1/8	1.02	0.92	3/8	0.74	0.98		
AQ72-DOT-4X4	1/4	1/4	1.02	0.92	7/16	0.92	1.17		
AQ72-DOT-6X4	3/8	1/4	1.09	0.99	1/2	1.00	1.30		
AQ72-DOT-6X6	3/8	3/8	1.09	0.99	1/2	0.98	1.29		
AQ72-DOT-8X4	1/2	1/4	1.20	1.10	5/8	1.07	1.43		
AQ72-DOT-8X6	1/2	3/8	1.26	1.16	5/8	1.05	1.41		



<b>AQ72-DOTS SWIVEL MALE BRANCH TEE</b>									
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F	
AQ72-DOTS-4X2	1/4	1/8	1.02	0.92	3/8	1.04	7/16	1.28	
AQ72-DOTS-4X4	1/4	1/4	1.02	0.92	3/8	1.16	9/16	1.40	
AQ72-DOTS-6X2	3/8	1/8	1.06	0.96	1/2	1.06	7/16	1.36	
AQ72-DOTS-6X4	3/8	1/4	1.09	0.99	1/2	1.16	9/16	1.46	
AQ72-DOTS-8X4	1/2	1/4	1.26	1.16	5/8	1.26	9/16	1.63	
AQ72-DOTS-8X6	1/2	3/8	1.26	1.16	5/8	1.34	11/16	1.70	
AQ72-DOTS-8X8	1/2	1/2	1.26	1.16	5/8	1.64	7/8	2.00	

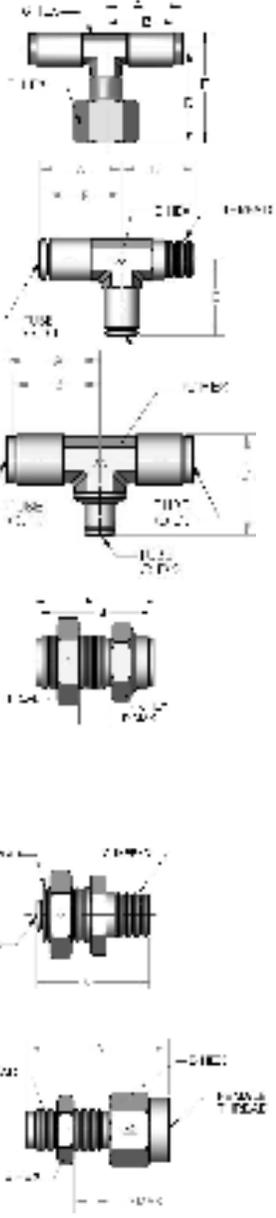


<b>AQ77-DOT FEMALE BRANCH TEE</b>									
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E		
AQ77-DOT-4X2	1/4	1/8	0.95	0.85	7/16	0.75	1.00		
AQ77-DOT-4X4	1/4	1/4	1.08	0.98	1/2	0.96	1.25		
AQ77-DOT-6X4	3/8	1/4	1.06	0.96	1/2	0.98	1.29		
AQ77-DOT-6X6	3/8	3/8	1.40	1.30	11/16	1.30	1.75		





**SERIES AQ-DOT - Air Brake Brass Push-In Fittings**



<b>AQ77-DOTS SWIVEL FEMALE BRANCH TEE</b>								
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F
AQ77-DOTS-4X2	1/4	1/8	1.02	0.92	3/8	1.29	3/4	1.53
AQ77-DOTS-4X4	1/4	1/4	1.02	0.92	3/8	1.29	3/4	1.53
AQ77-DOTS-6X4	3/8	1/4	1.08	0.98	1/2	1.51	3/4	1.82

<b>AQ78-DOT REDUCING MALE RUN TEE</b>								
PART NUMBER	TUBE O.D. 1	TUBE O.D. 2	PIPE THREAD	A	B	C	D	E
AQ78-DOT-6X4X4	3/8	1/4	1/4	0.99	1.07	1/2	0.99	1.05

<b>AQ79-DOT UNION REDUCING TEE</b>							
PART NUMBER	TUBE O.D.-1	TUBE O.D.-2	A	B	C	D	
AQ79-DOT-4X6	1/4	3/8	1.00	0.9	1/2	1.32	
AQ79-DOT-6X4	3/8	1/4	1.12	1.02	1/2	1.37	

<b>AQ82-DOT BULKHEAD UNION</b>						
PART NUMBER	TUBE O.D.	A	B	C	D	E
AQ82-DOT-4	1/4	1.85	1.69	11/16	1.00	1/2-20
AQ82-DOT-6	3/8	1.85	1.69	11/16	1.00	5/8-18
AQ82-DOT-8	1/2	2.05	1.85	1 1/8	1.02	15/16-16
AQ82-DOT-10	5/8	2.05	1.85	1 1/4	0.94	1-14

<b>AQ83-DOT GLADHAND BULKHEAD CONNECTOR</b>					
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C
AQ83-DOT-6X8	3/8	1/2	1 7/8	1-14	1/2
AQ83-DOT-8X8	1/2	1/2	1 7/8	1-14	1/2

<b>AQ86-DOT FEMALE BULKHEAD UNION</b>							
PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E
AQ86-DOT-4X2	1/4	1/8	1.30	11/16	1/2-20	0.638	11/16
AQ86-DOT-4X4	1/4	1/4	1.53	3/4	1/2-20	0.638	11/16
AQ86-DOT-6X4	3/8	1/4	1.89	3/4	5/8-18	1.0	11/16
AQ86-DOT-6X6	3/8	3/8	1.94	7/8	5/8-18	1.0	11/16
AQ86-DOT-8X6	1/2	3/8	2.14	1 1/8	15/16-16	1.0	1 3/8

**Emergency Air Brake Tubing Repair Kit**

Alkon's air brake tubing repair kits are a fast and easy fix for on-the-road brake line problems. Ideal for instant repairs, the kits come complete with everything you need to get back on the road, safely and quickly. Simply remove defective section of air tubing with tube cutter (included) and insert both ends of tubing into Alkon DOT push-in-fitting. No other tools required !

**AQ62-DOT-KIT EMERGENCY AIR BRAKE TUBING REPAIR KIT**

PART NUMBER	INCLUDES
AQ62-DOT-KIT-1	Reusable Push-In Unions for 1/4" , 3/8" & 1/2 " tubing and tube cutter.
AQ62-DOT-KIT-2	Reusable Push-In Unions for 5/32" , 1/4" , 3/8" & 5/8" tubing and tube cutter.

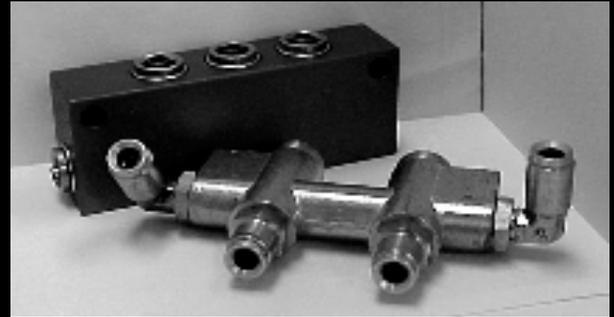


**CUSTOM MANIFOLDS AVAILABLE**

**ALSO FOR DOT APPLICATIONS.**

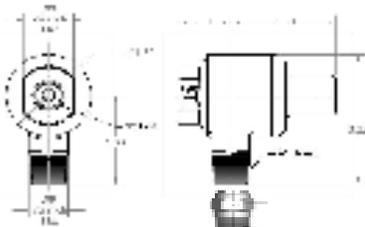
**PLEASE CONSULT THE FACTORY**

**IF YOU NEED MORE INFORMATION.**

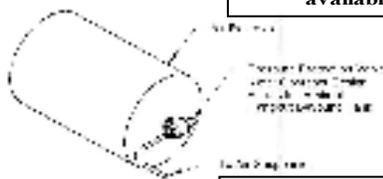


We are constantly improving FOR YOU ...

## New 800 / 850 Series Pressure Protection valve...



Swivel option available



Pressure protection valve.  
Note : Compact design allows for minimal hangout beyond tank.

Pressure Protection Valve Protects the air brake system in the event of a leak or failure within the suspension / auxiliary air systems.

**Specifications :**

- Material: Brass
- Diaphragm: Buna
- Temp Rating: -40°F To +225°F
- Max Pressure: 200 psi
- Reverse check when closed
- Non-Adjustable Standard
- Standard Thread Sealed Male Threads
- Adjustable (optional)

SIMPLE HOW-TO-ORDER INSTRUCTIONS				Closing / Opening Pressure ***	OPTIONS
800 SERIES	MODEL	Thread "A"	Port "B"		
800 = Pipe Thread	02 = 90° Non-Swivel	14 = 1/4" NPTF	14 = 1/4" NPTF	06 = 60 / 65 PSI	
	03 = 90° Full Swivel	38 = 3/8" NPTF	38 = 3/8" NPTF	07 = 70 / 75 PSI	A = Adjustable
				08 = 80 / 85 PSI	
<b>Sample 800 -</b>	<b>03</b>	<b>38</b>	<b>14</b>		
(Pressure protection valve inlet 3/8" NPTF full swivel, outlet 1/4" NPTF, 60 / 65 PSI Pressure).				Closing / Opening Pressure***	OPTIONS
850 SERIES	MODEL	Thread "A"	Port "B"		
850 = Pipe Thread	02 = 90° Non-Swivel	14 = 1/4" NPTF	14 = 1/4" PTC	06 = 60 / 65 PSI	
and PTC Fitting	03 = 90° Full Swivel	38 = 3/8" NPTF	38 = 3/8" PTC	07 = 70 / 75 PSI	A = Adjustable
			12 = 1/2" PTC	08 = 80 / 85 PSI	

NOTE: 850 Series Valve Has a Male Pipe Thread on "A" Thread and a Push-To-Connect Fitting built In the "B" Port.

\*\*\* Consult factory for additional pressure settings.



**SERIES NQ-NTA - Air Brake Brass Compression Fittings**

**PRODUCT SPECIFICATIONS**

<b>TEMPERATURE RANGE</b>
<b>PRESSURE</b>
<b>SHAPES MATERIAL</b>
<b>STRAIGHTS MATERIAL</b>

**-40 ° F to 325° F**  
**200 PSI NOMINAL / 400 PSI MAX**  
**FORGED SAE CA377 BRASS**  
**EXTRUDED SAE C360 BRASS**

**MEETS SAE J246, J1131 AIR BRAKE STANDARDS AND ALL DOT STANDARDS.FITTINGS TO BE USED WITH SAE J844 TUBING.**



<b>NQ54-NTA COMPRESSION 45 DEG MALE ELBOW</b>		
PART NUMBER	TUBE O.D.	PIPE THREAD
NQ54-NTA-4X2	1/4	1/8
NQ54-NTA-4X4	1/4	1/4
NQ54-NTA-6X4	3/8	1/4
NQ54-NTA-6X6	3/8	3/8
NQ54-NTA-8X6	1/2	3/8
NQ54-NTA-8X8	1/2	1/2
NQ54-NTA-10X8	5/8	1/2



<b>NQ60-NTA COMPRESSION SLEEVE</b>		
PART NUMBER	TUBE O.D.	PIPE THREAD
NQ60-NTA-4	1/4	
NQ60-NTA-6	3/8	
NQ60-NTA-8	1/2	
NQ60-NTA-10	5/8	
NQ60-NTA-12	3/4	



<b>NQ60-NTA COMPRESSION NUT</b>		
PART NUMBER	TUBE O.D.	PIPE THREAD
NQ61-NTA-4	1/4	
NQ61-NTA-6	3/8	
NQ61-NTA-8	1/2	
NQ61-NTA-10	5/8	
NQ61-NTA-12	3/4	



<b>NQ62-NTA COMPRESSION UNION</b>		
PART NUMBER	TUBE O.D.	PIPE THREAD
NQ62-NTA-4	1/4	
NQ62-NTA-6	3/8	
NQ62-NTA-8	1/2	
NQ62-NTA-10	5/8	
NQ62-NTA-12	3/4	



<b>NQ64-NTA COMPRESSION UNION TEE</b>		
PART NUMBER	TUBE O.D.	PIPE THREAD
NQ64-NTA-4	1/4	
NQ64-NTA-6	3/8	
NQ64-NTA-8	1/2	
NQ64-NTA-10	5/8	

NQ65-NTA COMPRESSION UNION ELBOW		
PART NUMBER	TUBE O.D.	PIPE THREAD
NQ65-NTA-4	1/4	
NQ65-NTA-6	3/8	
NQ65-NTA-8	1/2	



NQ66-NTA COMPRESSION FEMALE CONNECTOR		
PART NUMBER	TUBE O.D.	PIPE THREAD
NQ66-NTA-4X2	1/4	1/8
NQ66-NTA-4X4	1/4	1/4
NQ66-NTA-6X4	3/8	1/4
NQ66-NTA-6X6	3/8	3/8



NQ68-NTA COMPRESSION MALE CONNECTOR		
PART NUMBER	TUBE O.D.	PIPE THREAD
NQ68-NTA-4X2	1/4	1/8
NQ68-NTA-4X4	1/4	1/4
NQ68-NTA-4X6	1/4	3/8
NQ68-NTA-6X2	3/8	1/8
NQ68-NTA-6X4	3/8	1/4
NQ68-NTA-6X6	3/8	3/8
NQ68-NTA-6X8	3/8	1/2
NQ68-NTA-8X4	1/2	1/4
NQ68-NTA-8X6	1/2	3/8
NQ68-NTA-8X8	1/2	1/2
NQ68-NTA-10X6	5/8	3/8
NQ68-NTA-10X8	5/8	1/2
NQ68-NTA-12X8	3/4	1/2
NQ68-NTA-12X12	3/4	3/4

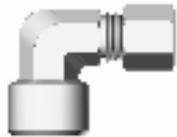


NQ69-NTA COMPRESSION MALE ELBOW		
PART NUMBER	TUBE O.D.	PIPE THREAD
NQ69-NTA-4X2	1/4	1/8
NQ69-NTA-4X4	1/4	1/4
NQ69-NTA-4X6	1/4	3/8
NQ69-NTA-6X2	3/8	1/8
NQ69-NTA-6X4	3/8	1/4
NQ69-NTA-6X6	3/8	3/8
NQ69-NTA-6X8	3/8	1/2
NQ69-NTA-8X4	1/2	1/4
NQ69-NTA-8X6	1/2	3/8
NQ69-NTA-8X8	1/2	1/2
NQ69-NTA-10X6	5/8	3/8
NQ69-NTA-10X8	5/8	1/2
NQ69-NTA-12X8	3/4	1/2
NQ69-NTA-12X12	3/4	3/4





**SERIES NQ-NTA - Air Brake Brass Compression Fittings**



<b>NQ70-NTA COMPRESSION FEMALE ELBOW</b>		
PART NUMBER	TUBE O.D.	PIPE THREAD
NQ70-NTA-4X2	1/4	1/8
NQ70-NTA-4X4	1/4	1/4
NQ70-NTA-6X4	3/8	1/4
NQ70-NTA-8X8	1/2	1/2



<b>NQ71-NTA COMPRESSION MALE RUN TEE</b>		
PART NUMBER	TUBE O.D.	PIPE THREAD
NQ71-NTA-4X2	1/4	1/8
NQ71-NTA-6X4	3/8	1/4
NQ71-NTA-6X6	3/8	3/8
NQ71-NTA-8X6	1/2	3/8
NQ71-NTA-8X8	1/2	1/2
NQ71-NTA-10X8	5/8	1/2

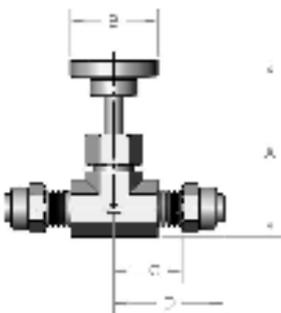


<b>NQ72-NTA COMPRESSION MALE BRANCH TEE</b>		
PART NUMBER	TUBE O.D.	PIPE THREAD
NQ72-NTA-4X2	1/4	1/8
NQ72-NTA-4X4	1/4	1/4
NQ72-NTA-6X2	3/8	1/8
NQ72-NTA-6X4	3/8	1/4
NQ72-NTA-6X6	3/8	3/8
NQ72-NTA-8X6	1/2	3/8
NQ72-NTA-8X8	1/2	1/2
NQ72-NTA-10X8	5/8	1/2

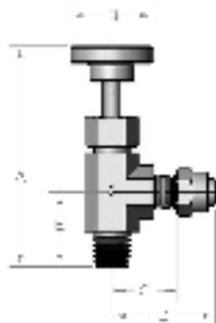


<b>NQ82-NTA COMPRESSION BULKHEAD UNION</b>		
PART NUMBER	TUBE O.D.	PIPE THREAD
NQ82-NTA-4	1/4	
NQ82-NTA-6	3/8	
NQ82-NTA-8	1/2	

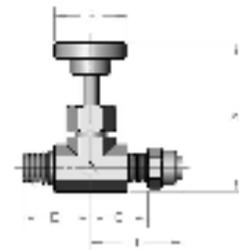
<b>NEEDLE VALVES</b> (for use with polyethylene, nylon, or soft metal tubing).										
Materials :										
- Forged Brass Bodies			- Brass Handle and Stem							
- O-Ring Packing			- Brass nuts with plastic sleeves							
	PART NUMBER	INLET	OUTLET OD	CV	A OPEN	A CLOS	B	C	D	ORIFICE
GLOBE TYPE "AP TO AP"	AP310-C-4	1/4OD	1/4	0.25	1.496	1.378	0.866	0.748	0.984	0.142
	AP310-C-6	3/8OD	3/8	0.56	1.772	1.614	1.142	0.827	1.063	0.220
GLOBE TYPE "AP TO NPT"	AP311-C-4X2	1/8NPT	1/4	0.25	1.496	1.378	0.866	0.748	0.748	0.126
	AP311-C-4X4	1/4NPT	1/4	0.25	1.496	1.378	0.866	0.748	0.748	0.142
	AP311-C-6X4	1/4NPT	3/8	0.56	1.772	1.614	1.142	0.827	0.945	0.173
ANGLE TYPE "AP TO NPT"	AP312-C-4X2	1/8NPT	1/4	0.36	1.496	1.260	0.866	0.630	0.689	0.126
	AP312-C-4X4	1/4NPT	1/4	0.36	1.496	1.378	0.866	0.630	0.748	0.126
	AP312-C-6X2	1/4NPT	3/8	0.81	1.693	1.378	0.866	0.669	0.842	0.205
SERIES AP NEEDLE VALVES ARE AVAILABLE WITH SERIES "AQ" PUSH-IN FITTINGS FOR TUBING CONNECTIONS - CONSULT FACTORY FOR ADDITIONAL INFORMATION										



GLOBE TYPE  
"AP TO AP"



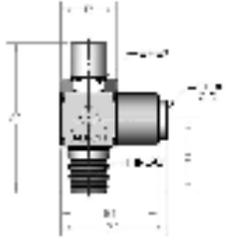
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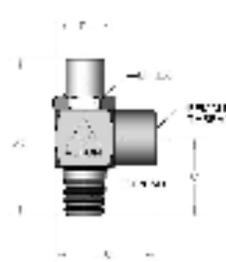
GLOBE TYPE  
"AP TO NPT"



**J SERIES - Angle & In Line Flow Control, Needle & Check Valves**

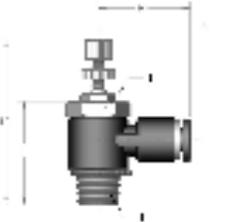


<b>JAQ ANGLE FLOW CONTROL WITH SERIES "AQ" TUBE CONNECTIONS</b>										
PART NUMBER	TUBE O.D.	PIPE THREAD	A1	A2	B1	B2	C	D	E	F
JAQ-5/32X2	5/32	1/8 NPT	2.48	1.70	1.28	1.41	0.75	0.63	9/16	1/2
JAQ-4X2	1/4	1/8 NPT	2.48	1.70	1.41	1.55	0.75	0.63	9/16	1/2
JAQ-4X4	1/4	1/4 NPT	2.61	1.81	1.38	1.52	1.06	0.75	5/8	1/2
JAQ-6X4	3/8	1/4NPT	2.61	1.81	1.38	1.70	1.06	0.75	5/8	1/2
JAQ-6X6	3/8	3/8NPT	2.83	2.19	1.56	2.07	1.16	0.88	7/8	1/2
JAQ-8X8	1/2	1/2NPT	3.72	2.83	1.88	2.07	1.44	1.13	1	1/2



<b>JPT ANGLE FLOW CONTROL WITH FEMALE PIPE THREADS</b>										
PART NUMBER	TUBE O.D.	PIPE THREAD	A1	A2	B1	C	D	E	F	
JPT-2X2	1/8NPT	1/8 NPT	2.48	1.70	1.28	0.75	0.63	9/16	1/2	
JPT-4X2	1/4NPT	1/8 NPT	2.48	1.70	1.41	0.75	0.63	9/16	1/2	
JPT-4X4	1/4NPT	1/4 NPT	2.61	1.81	1.38	1.06	0.75	5/8	1/2	
JPT-6X4	3/8NPT	1/4NPT	2.61	1.81	1.38	1.06	0.75	5/8	1/2	
JPT-6X6	3/8NPT	3/8NPT	2.83	2.19	1.56	1.16	0.88	7/8	1/2	
JPT-8X8	1/2NPT	1/2NPT	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".



<b>JPQ COMPOSITE RIGHT ANGLE FLOW CONTROL METER IN</b>		
PART NUMBER	TUBE O.D.	PIPE THREAD
JPQ-4x2	1/4	1/8
JPQ-4x4	1/4	1/4
JPQ-6x4	3/8	1/4
JPQ-6x8	3/8	1/2

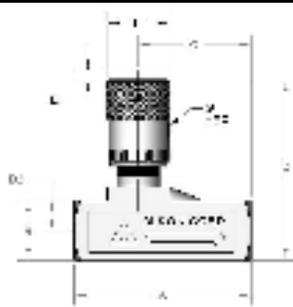


<b>JC IN-LINE CHECK VALVE</b>						
MODEL NO.		VALVE DIMENSIONS, INCHES				CV FACTOR
BRASS BODY	NICKEL PLATED	PIPE SIZE NPTF	A	B	ORIFICE	NEEDLE FULL OPEN
JC1	JC1N	1/8	1.468	0.562	0.206	0.64
JC2	JC2N	1/4	1.937	0.687	0.281	1.35
JC3	JC3N	3/8	2.312	0.875	0.421	3.22
JC4	JC4N	1/2	3.250	1.187	0.515	4.96
-	JC6N	3/4	4.000	1.750	0.718	9.00
-	JC8N	1	4.000	1.750	0.718	9.20

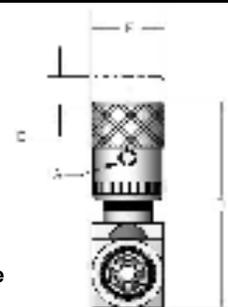
## J SERIES - Angle & In Line Flow Control, Needle & Check Valves

### JF FLOW CONTROL VALVE

MODEL NO.			VALVE DIMENSIONS, INCHES							CV FACTOR				
BRASS	NICKEL	PIPE	A	B	C	D	E	F	G HEX SIZE	ORIFICE ON		CHECK	NEEDLE FULL OPEN	APPROX WEIGHT
										CHECK	NEEDLE			
JF1	JF1N	1/8	1.468	0.562	0.913	1.803	0.250	0.687	3/32	0.602	0.125	0.60	0.30	0.19
JF2	JF2N	1/4	1.937	0.687	1.232	2.000	0.250	0.687	3/32	0.281	0.187	1.30	0.60	0.28
JF3	JF3N	3/8	2.312	0.875	1.545	2.531	0.300	0.937	3/32	0.421	0.250	2.85	1.08	0.54
JF4	JF4N	1/2	3.250	1.187	2.117	3.218	0.375	1.250	3/32	0.515	0.375	4.96	1.75	1.75
-	JF6N	3/4	4.000	1.750	2.625	3.906	0.375	1.250	3/32	0.718	0.500	9.00	3.20	2.32
-	JF8N	1	4.000	1.750	2.635	3.906	0.375	1.250	3/32	0.718	0.500	9.20	3.20	2.20



JF Flow Control Valve



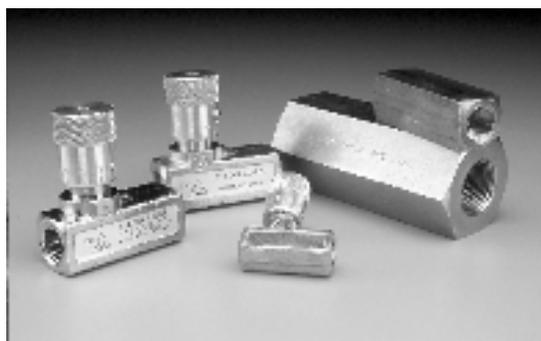
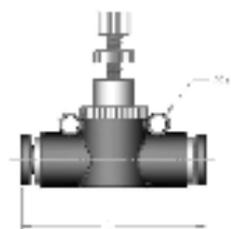
JN in Line Needle Valve

### JN IN-LINE NEEDLE VALVE

MODEL NO.			VALVE DIMENSIONS, INCHES							CV FACTOR		
BRASS	NICKEL	PIPE	A	B	C	D	E	F	G HEX	ORIFICE	NEEDLE FULL OPEN	
JN1	JN1N	1/8	1.468	0.562	0.913	1.803	0.250	0.687	3/32	0.125	0.30	
JN2	JN2N	1/4	1.937	0.687	1.232	2.000	0.250	0.687	3/32	0.187	0.60	
JN3	JN3N	3/8	2.312	0.875	1.545	2.531	0.300	0.937	3/32	0.250	1.08	
JN4	JN4N	1/2	3.250	1.187	2.117	3.218	0.375	1.250	3/32	0.375	1.75	
-	JN6N	3/4	4.000	1.750	2.625	3.906	0.375	1.250	3/32	0.500	3.20	
-	JN8N	1	4.000	1.750	2.635	3.906	0.375	1.250	3/32	0.500	3.20	

### PQ310 COMPOSITE IN-LINE NEEDLE VALVE

PART NUMBER	TUBE O.D.	L	Ød1
PQ310-C-4	1/4	2.12	0.16
PQ310-C-6	3/8	2.60	0.16



In Line J Valves



Angle flow control Valves



**INDUSTRIAL TUBING**

INDUSTRIAL TUBING				MIN BEND RADIUS	WORKING PRESSURE	BURST PSI @ 75°F
PART NUMBER	TUBE O.D.	WALL THICKNESS				
<b>POLYETHYLENE TUBING</b>						
RESISTANT TO SOLVENTS & CHEMICALS	AP22	1/8	.020	1/2	125	500
	AP5/32	5/32	.025	5/8	125	500
TEMP : -100F to 175F	AP33	3/16	.030	3/4	125	500
NATURAL :FDA APPROVED	AP44	1/4	.040	1	100	400
LIGHT WEIGHT AND MORE FLEXIBLE	AP55	5/16	.062	1-1/8	150	600
	AP66	3/8	.062	1-1/4	88	350
	AP88	1/2	.062	2-1/2	62	250
<b>POLYURETHANE TUBING</b>						
RESISTANT TO KINKS ABRASION & CHEMICALS	PUR22	1/8	.031	5/16	145	580
	PUR5/32	5/32	.031	7/16	90	360
TEMP : -40F to 180F	PUR33	3/16	.062	5/8	80	320
APPLICATIONS INCLUDE VACUUM, FUEL LINES, ROBOTICS. WHERE HIGHLY FLEXIBLE TUBE IS NEEDED.	PUR44	1/4	.045	5/8	90	370
	PUR44H	1/4	.062	5/8	100	400
	PUR66	3/8	.062	1-1/4	95	380
	PUR88	1/2	.062	1-7/8	55	220
<b>NYLON 12 TUBING</b>						
TEMP : -60F to 250F	NY22	1/8	.016	1/2	250	1000
APPLICATIONS INCLUDE AIR, CHEMICALS, LUBRICANT AND LOW PRESSURE HYDRAULICS.	NY5/32	5/32	.025	5/8	250	1000
	NY33	3/16	.031	5/8	250	1000
	NY44	1/4	.035	1	250	1000
	NY66	3/8	.050	1-3/4	250	1000
	NY88	1/2	.062	2-3/8	250	1000
<b>METRIC NYLON 12 TUBING - Packaged 25 meters per package (82ft.)</b>						
	MNY4	4mm	.65mm	14mm	250	1000
	MNY6	6mm	1.0mm	21mm	250	1000
	MNY8	8mm	1.0mm	28mm	250	1000
	MNY10	10mm	1.25mm	35mm	250	1000
	MNY12	12mm	1.25mm	45mm	250	1000

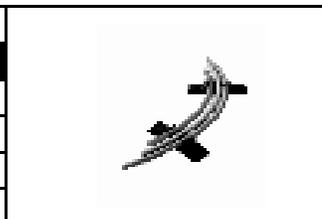
1	2	3	4
TUBE TYPE	OUTSIDE DIAMETER	COLOR	LENGTH
AP- POLYETHYLENE	22- 1/8"	N- NATURAL	ALL SIZES EXCEPT 1/2" OD 100- 100' 500- 500' 1000- 1000'
PUR- POLYURETHANE	5/32- 5/32"	BL- BLACK	
NY- NYLON 12-INCH "O.D."	33- 3/16"	B- BLUE	
MNY- NYLON 12-MM "O.D."	44- 1/4"	R- RED	1/2" OD 50- 50' 100- 100' 250- 250'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

**FOUR EASY STEPS TO ORDER TUBING !**

*Black Tubing : Recommended for "UV" Applications*

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

TUBE RACKS			
PART NUMBER	TUBE SIZE	MAX# TUBES	
AP02-P-4	1/4	2	
AP10-P-4	1/4	10	
AP07-P-6	3/8	7	
AP06-P-8	1/2	6	



TUBE CUTTER	
PART NUMBER	
AP-TC	

DOT TUBING			
PART NUMBER	ROLL LENGTH	TUBE O.D.	COLOR
J844-04-B-100	100 ft.	1/4"	BLUE
J844-04-B-500	500 ft.	1/4"	BLUE
J844-04-BL-100	100 ft.	1/4"	BLACK
J844-04-BL-500	500 ft.	1/4"	BLACK
J844-04-GN-100	100 ft.	1/4"	GREEN
J844-04-GN-500	500 ft.	1/4"	GREEN
J844-04-R-100	100 ft.	1/4"	RED
J844-04-R-500	500 ft.	1/4"	RED
J844-06-B-100	100 ft.	3/8"	BLUE
J844-06-B-500	500 ft.	3/8"	BLUE
J844-06-BL-100	100 ft.	3/8"	BLACK
J844-06-BL-500	500 ft.	3/8"	BLACK
J844-06-GN-100	100 ft.	3/8"	GREEN
J844-06-GN-500	500 ft.	3/8"	GREEN
J844-06-R-100	100 ft.	3/8"	RED
J844-06-R-500	500 ft.	3/8"	RED
J844-06-Y-100	100 ft.	3/8"	YELLOW
J844-06-Y-500	500 ft.	3/8"	YELLOW
J844-08-B-100	100 ft.	1/2"	BLUE
J844-08-B-500	500 ft.	1/2"	BLUE
J844-08-BL-100	100 ft.	1/2"	BLACK
J844-08-BL-500	500 ft.	1/2"	BLACK
J844-08-GN-100	100 ft.	1/2"	GREEN
J844-08-GN-500	500 ft.	1/2"	GREEN
J844-08-R-100	100 ft.	1/2"	RED
J844-08-R-500	500 ft.	1/2"	RED
J844-08-Y-100	100 ft.	1/2"	YELLOW
J844-08-Y-500	500 ft.	1/2"	YELLOW
J844-10-BL-100	100 ft.	5/8"	BLACK
J844-12-BL-50	50 ft.	3/4"	BLACK

AQ COLOR COORDINATED SNAP-ON IDENTIFICATION CAPS				
PART NUMBER	O.D.	COLOR CODE	COLOR	
AQCAP-2*	1/8	* N	NATURAL	
AQCAP-5/32*	5/32	* B	BLUE	
AQCAP-3*	3/16	* BL	BLACK	
AQCAP-4*	1/4	* GR	GRAY	
AQCAP-6*	3/8	* GN	GREEN	
AQCAP-8*	1/2	* R	RED	
*Add color code required.		O	ORANGE	
		Y	YELLOW	

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

*Eg. AQCAP-4-R , RED COLOR SNAP ON ID CAP.*

FOR DOT FITTINGS AQ-DOT COLOR COORDINATED SNAP-ON IDENTIFICATION CAPS				
PART NUMBER	O.D.	COLOR CODE	COLOR	
AQCAP-D-5/32*	5/32	* B	BLUE	
AQCAP-D-3*	3/16	* BL	BLACK	
AQCAP-D-4*	1/4	* GN	GREEN	
AQCAP-D-6*	3/8	* R	RED	
AQCAP-D-8*	1/2	* O	ORANGE	
AQCAP-D-10*	5/8	* V	VIOLET	
*Add color code required.		Y	YELLOW	

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

*Eg. AQCAP-D-4-R , DOT RED COLOR SNAP ON ID CAP.*

## **WARRANTY**

**Alkon Corporation warrants its products to be free of defects in material and workmanship when properly installed and maintained. No other warranty is implied or expressed. Alkon Corporations' liability for and remedy is limited to replacement or repair at Alkon's sole discretion if the parts are returned under a valid RGA to us within 180 days of purchase. No allowance whatsoever will be made for repairs made by the purchaser nor will Alkon be liable for consequential or other damages or any expense incurred through the use of its products. The warranty is valid solely on products of current design.**

**Alkon Corporation is constantly upgrading our products and, in keeping with that policy, reserves the right to change dimensions, designs and/or performance and these changes may be made at any time.**



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