







# Compression Fittings Use with Polyethylene Tubing

**API** In 1972, Agricultural Products offered the first **Compression Fittings**. These fittings were needed because conventional insert fittings were causing existing polyethylene drip tubing to crack and split. Today, compression fittings are a preferred method of connecting PE tubing, because of their full-flow characteristics and ease of installation.

Now, Jain Irrigation's API™ compression fittings are made with glass-reinforced polypropylene or PVC for durability under the most demanding conditions. Jain Irrigation is the leader in drip irrigation fittings, known for reliability, service, and dedicated attention to customers' needs.



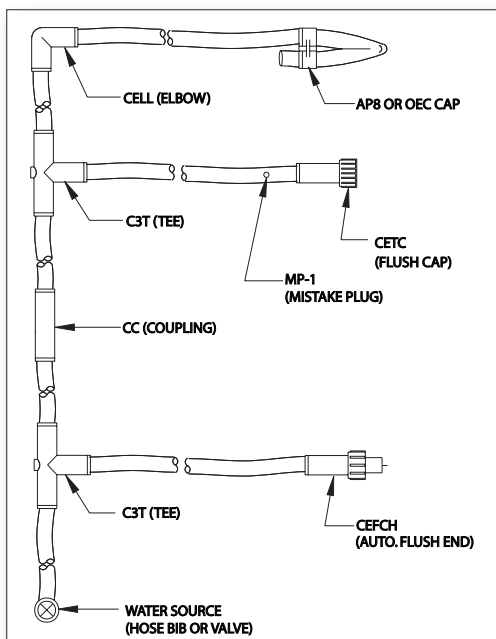
## PRODUCT FEATURES

-  Easy no-tool installation
-  Full range of color-coded sizes
-  Chemically resistant
-  Time and field-tested
-  Some configurations are available with shut-off and/or pressure check
-  Full flow – outside diameter of the PE tube “relaxes” against the fitting barb, sealing the connection while allowing unobstructed water flow

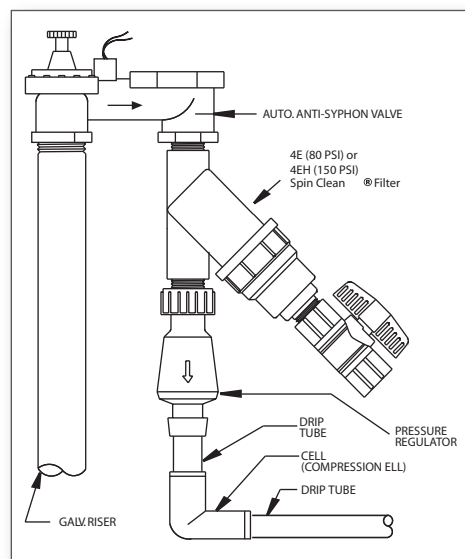


## INSTALLATION DETAILS

### Typical Connections



### Automatic Head Assembly



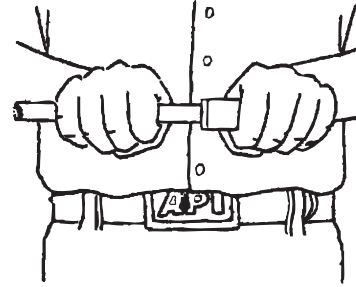
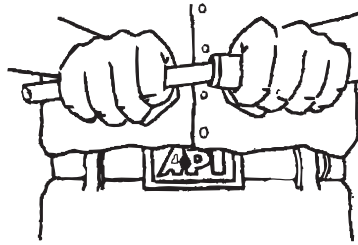
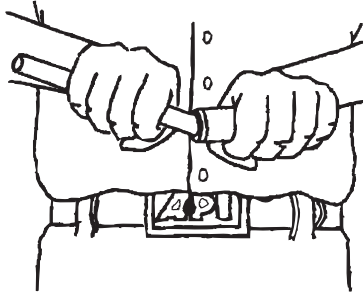
**INSTALLATION INSTRUCTIONS**

Hold the tubing in your dominant hand. Angle the tubing into the fitting until one edge is caught on the inner barb.

Holding your hands close to your torso while applying constant pressure, move your elbows up and down in a "flying" motion. This action will "walk" the tubing past the inner barb.

Once the tubing is "walked" 1/2" past the barb, test the connection by trying to pull it apart.

**Caution: Do not twist hose into compression ring.**



**Compression Size Selection Chart**

Nominal Tubing Size					
Fitting Series	Color of Ends	O.D. Inches	I.D. Inches	O.D. Millimeters	I.D. Millimeters
250	Orange	.250	.170	6.4	4.3
350	Black	.350	.250	8.9	6.4
400	Red	.455	.375	11.6	9.5
435	Brown	.490	.400	12.4	10.2
600	Green	.620	.520	15.7	13.2
700	Black	.685 -.700	.590	17.4 -17.8	15.0
710	Blue	.700 -.715	.600	17.8 -18.2	15.2
790	Green	.790	.680	20.1	17.3
800	Black	.830	.720	21.1	18.3
900	Grey	.927	.817	23.5	20.8
1000	Black	1.174	1.050	29.8	26.7

**SPECIFICATIONS**

	Standard Compression		Combination Compression	
	Fitting Body	Fiting Tip	Fitting Body	Fitting Tip
<b>Body Identification</b>	Black matte finish	Color coded for easy identification	White PVC	Color coded for easy identification
<b>Material</b>	20% glass-reinforced polypropylene with a minimum of 2% carbon black	20% glass-reinforced polypropylene UV stabilized	Schedule 40 PVC	PVC/ABS blend
<b>Special Properties</b>	Heat resistant to 270° Chemically resistant	Heat resistant to 270° Chemically resistant	Heat resistant Chemically resistant	Heat resistant Chemically resistant
<b>Assembly</b>	Agricultural Products custom sonic welding process	Agricultural Products custom sonic welding process	Solvent or sonic-welded	Solvent or sonic-welded

**Gluing Compression Adapters**

When gluing compression adapters into PVC fittings, use IPS #793 or equivalent (for fittings made of ABS) and IPS #711 (for fittings made of PVC). See the specifications above for fitting tip materials.

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# Compression Fittings

## Compression Elbow



Model	Code	Bag	Box		
		Qty. (nos.)	Qty. (nos.)	Wt. (kg)	Code
600-CELL	12010220	25	500	8.1	A
700-CELL	12010307	25	500	8.1	A
710-CELL	12010359	25	500	8.1	A
800-CELL	12010438	25	450	8.3	A
900-CELL	12010511	25	450	8.3	A

## Compression x 3/4" MHT Tee x Compression



Model	Code	Bag	Box		
		Qty. (nos.)	Qty. (nos.)	Wt. (kg)	Code
600-C3TM	12010211	25	400	9.2	A
700-C3TM	12010297	25	400	9.2	A
710-C3TM	12010349	25	400	9.2	A
800-C3TM	12010428	25	250	7.4	A
900-C3TM	12010501	25	250	7.4	A

## Compression x 3/4" Swivel Tee x W/Washer



Model	Code	Bag	Box		
		Qty. (nos.)	Qty. (nos.)	Wt. (kg)	Code
600-CST-WW	12010244	25	300	9.0	A
700-CST-WW	12010332	25	300	9.0	A
710-CST-WW	12010384	25	300	9.0	A
800-CST-WW	12010458	25	250	9.2	A
900-CST-WW	12010533	25	250	9.2	A

## Compression x 3/4" Swivel Tee x W/Screen



Model	Code	Bag	Box		
		Qty. (nos.)	Qty. (nos.)	Wt. (kg)	Code
600-CST-WS	12010243	25	300	9.0	A
700-CST-WS	12010331	25	300	9.0	A
710-CST-WS	12010383	25	300	9.0	A
800-CST-WS	12010456	25	250	9.2	A
900-CST-WS	12010531	25	250	9.2	A

## Compression with Threaded Automatic Flush Valve- High



Model	Code	Bag	Box		
		Qty. (nos.)	Qty. (nos.)	Wt. (kg)	Code
600-CEFCH-H	12010218	50	500	11.3	A
700-CEFCH-H	12010305	50	500	11.3	A
710-CEFCH-H	12010357	50	500	11.3	A
800-CEFCH-H	12010436	25	300	10.6	A
900-CEFCH-H	12010509	25	300	10.6	A

## Compression with Threaded Automatic Flush Valve- Low



Model	Code	Bag	Box		
		Qty. (nos.)	Qty. (nos.)	Wt. (kg)	Code
600-CEFCH-L	12010219	50	500	11.3	A
700-CEFCH-L	12010306	50	500	11.3	A
710-CEFCH-L	12010358	50	500	11.3	A
800-CEFCH-L	12010437	25	300	10.6	A
900-CEFCH-L	12010510	25	300	10.6	A