

# AquaL6ck™

Push-to-Connect Plumbing Fittings







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# **Terms and Conditions**

FREIGHT TERMS: All shipments are F.O.B. shipping point. Shipments from factory less than 1000 lbs. are F.O.B. factory. Factory shipments of 2500 and over

within the continental U.S.A. will be prepaid and allowed when made at the lowest motor carrier transportation rate.

**TERMS OF SALE:** All sales are F.O.B. shipping point.

**PAYMENT TERMS:** The invoices are due and payable 30 days from the date of invoice.

**PURCHASE**Orders submitted on customer's own purchase order forms will be accepted only with the express understanding that no statements, clauses, or conditions contained in said order form will be binding on the Seller if they in any way modify the Seller's own terms and conditions of sales.

SPECIAL PRODUCTS: Orders for special or modified products are non-cancelable. In the event that the customer cancels an order for such products, Watts shall

charge the customer an amount equal to Watts' costs and expenses incurred in performing the purchase order prior to receipt of notice of

cancellation.

**LIMITED WARRANTY:** A. Watts Regulator Co. ("Watts") warrants its WaterPEX® cross-linked polyethylene tubing, barbed PEX fittings, brass and plastic AquaLock<sup>TM</sup> fittings and manifolds, factory manufactured copper manifolds and AquaLock<sup>TM</sup> accessories to be free of defects in material and workmanship when used under normal usage in potable water systems, and installed in accordance with all Watts printed installation instructions. Specific warranty durations apply as follows:



- Watts WaterPEX® cross-linked polyethylene (non-barrier PEX) pipe, brass and plastic barbed PEX fittings, and factory manufactured copper manifolds
  when installed as a system using Watts WaterPEX pipe, Watts brass or plastic barbed PEX fittings, and Watts factory manufactured copper manifolds for a
  period of twenty-five (25) years from the date of original shipment.
- 2. Watts WaterPEX® cross-linked polyethylene (non-barrier PEX) pipe, when installed with brass or plastic barbed PEX fittings manufactured by others that meet the applicable ASTM Standards (brass ASTM F 1807) (plastic ASTM F 2159) for a period of ten (10) years from the date of original shipment.
- 3. Watts WaterPEX® brass or plastic barbed PEX fittings and factory manufactured copper manifolds when installed with cross-linked polyethylene (non-barrier PEX) pipe manufactured by others that meet the ASTM F 876 requirements for a period of ten (10) years from the date of original shipment.
- Brass, Plastic and Mini AquaLock™ fittings and manifolds for a period of twenty-five (25) years from the date of original shipment.
- 5. All other valves and accessories sold under the Watts WaterPEX or Watts AquaLock™ brand name for a period of two (2) years from the date of original shipment.

Watts's obligation will be to repair or replace, at its discretion, any of these products proven to be defective in material or workmanship when these products are covered under this limited warranty.

- B. In the event of a system malfunction or leak caused by defective Watts warranted materials (and not by incorrect installation, incorrect handling procedures or by jobsite or installation damage), a reasonable pre-approved amount will be allowed for repair materials and repair labor. In the event of a leak occurring in a factory manifold, you may contact Watts for either a free replacement manifold or any parts reasonably needed to repair such a leak (freight prepaid). Note that Watts limits its warranty to its tubing, valves and accessories, fittings and manifolds. Watts does not warrant the connection on any installation, as the integrity of the connection is subject to the workmanship of the contractor/installer. The connection is the sole responsibility of the person who installs it.
- C. In order to qualify for a warranty remedy under paragraph B, you must contact Watts in advance and receive a written authorization for this remedy from an authorized Watts representative. Repair materials, repair labor and freight expenses not authorized in writing in advance by Watts in this way will not be compensated.
- D. To qualify for the warranty described above, you must do the following:
- 1. Use good construction techniques to install our materials, as specified in our current design and installation guidelines and technical notes. This must include field pressure testing our warranted materials before they are covered by concrete or otherwise made inaccessible.
- 2. Install Watts WaterPEX® and Watts AquaLock™ materials according to all guidelines and manuals published by Watts.
- 3. Install Watts WaterPEX® and Watts AquaLock™ products in a system that will not operate at temperatures or at pressures that exceed the rating printed on the tubing.
- 4. The Watts warranted product must be installed in compliance with local building and plumbing codes.
  - E. Evidence of tampering, mishandling, neglect, accidental damage, freeze damage or unauthorized repairs that cause damage to Watts's warranted products will void any warranty coverage for those particular products. All field connections are specifically excluded from the terms of this warranty.
  - F. Watts provides a complete plumbing system offering so that it is possible to complete an installation with Watts products. However, it is possible that other manufacturers' tubing and/or fittings may be installed in any given installation. Providing that the tubing and/or fittings are manufactured to their applicable ASTM standards, and have been certified by a recognized third-party testing agency, the Watts product in the given installation will continue to be covered under this warranty. In the event of a system malfunction or leak that has other tubing and/or fitting manufacturers' components installed within the failed system, Watts will be responsible only for proven defects in material or workmanship in the Watts products. Products manufactured by another company should be reported to that manufacturer for its warranty response.
  - G. Disclaimer of Warranty. THE WARRANTY SET FORTH HEREIN IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY WATTS WITH RESPECT TO THE PRODUCTS LISTED IN PARAGRAPH A. WATTS MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. WATTS HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
  - H. Limitation of Liability. The remedy described above shall constitute the sole and exclusive remedy for breach of warranty, and, apart from that remedy, Watts shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if these warranted products do not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, adverse chemical environments, or any other circumstances over which Watts has no control. This warranty shall be invalidated by any abuse, misuse, misapplication or improper installation of the product. Some states do not allow limitations on how long an implied warranty lasts, and some states do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from state to state. You should consult applicable state laws to determine your rights. SO FAR AS IS CONSISTENT WITH APPLICABLE STATE LAW, ANY IMPLIED WARRANTIES THAT MAY NOT BE DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF ORIGINAL SHIPMENT.
  - 1. RETURNED GOODS: No material shall be returned without authorization. When credit is issued it will be at the price charged, or prevailing price if lower, less handling charges based on costs of reconditioning, boxing, etc. However, a minimum 25% handling charge will apply. A minimum handling charge of 20.00 is applied whenever the 25% handling deduction does not total 20.00. Products which are obsolete or made to special order are not returnable.

NOTE: Prices and terms are subject to change without notice and supersede all previous quotations. The right is reserved to change or modify product design or construction without prior notice and without incurring and obligation to make such changes and modifications on products previously or subsequently sold.

# **Technical Information - Plastic/Metric Fittings**

#### **Material Specifications**

Body: Polysulfone
Collet: Nylon
O-Ring: EPDM
Spacer: Acetal
Tube Liner: Polysulfone
Collet Clip: Delrin

#### **Fitting Performance**

 AquaLock™
 Max. Pres.
 250psi @ 75°F
 (17.25 bar @ 24°C)

 Plastic/Metric
 Max. Temp.
 100psi @ 180°F
 (6.8 bar @ 82°C)

Min. Temp. 33°F (0.5°C)

#### **Thread Torque Values**

Size	Min. Torque Values	Max. Torque Values
1/2"	17.7 in - lbs.	26.5 in - lbs.
3/4"	22.7 in - lbs.	31 in - lbs.

#### **Approvals**



**FDA:** Watts Plastic fittings are produced from FDA approved materials.



**NSF/ANSI 61-G:** Watts Plastic fitting products are tested, certified, and approved for contact with drinking water.



**NSF/ANSI 14:** Watts Plastic fitting products are tested, certified, and approved to NSF-14 standards.



**ASTM F877:** Watts Plastic fitting products are tested, certified, and approved to ASTM F877 performance standards.



**NSF-U.P. Code:** Watts Plastic fitting products are tested, certified, and approved and meet the requirements of the Uniform Plumbing Code.



IAPMO ASSE 1061: Watts Plastic fitting fittings are tested, certified and approved to ASSE 1061 for AquaLock<sup>™</sup> fittings and approved to Canadian Standard CSA B137.5.

Lead free product is certified to NSF/ANSI 372 and conforms with the lead content requirements for lead free plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act.

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Watts AquaLock™ Plastic/Metric fittings are designed and manufactured to be trouble free for many years of service life. Plastic/ Metric fitting products are designed and manufactured in polysulfone, a high performance thermal plastic material. All Plastic/Metric fitting products are approved and certified to NSF-61-G, NSF 14, CSA B137.5, ASTM F877, and to the Uniform Plumbing Code (U.P. Code) and ASSE 1061. Plastic/Metric fitting products are available in standard imperial inch sizes. The Watts AquaLock™ design allows for quick and easy connections without installation tools. Simply cut the plastic, copper or CPVC tubing and snap a Watts AquaLock™ fitting in place for a zero-leak connection.

Watts AquaLock™ Plastic/Metric fittings are designed for potable water systems. For other applications please refer to our Technical Service Department. Tubing should be supported at minimum of 36" to prevent excessive load to the connectors. Do not install tubing supports closer than 3 inches from the connector ends. We strongly recommend that new installations be thoroughly tested prior to use. Do not use with explosive gases, petroleum products, or other fuels.

#### **A** CAUTION

The polysulfone material used in the AquaLock<sup>TM</sup> fittings can be compromised by exposure to volatile organic compounds (VOC's) and caustic chemicals. Therefore, **DO NOT** expose this product to any such chemical or foreign substance, which would include exposure to the following products: **Pipe Dopes (thread sealants)**, bug sprays, lubricants, cleaners, paints, bleaches, acids, solder fluxes, plastic piping primers and cements, oxidizing agents, alkaline solutions, thinners, fuels, oil based caulks, hydrocarbons, spray foam of foaming agents (insulation).

Watts recommends that all fittings and parts be stored in their original packaging until installation to protect the fitting internals from dirt and debris that may cause damage to the o-ring and the o-ring guide.

It is also recommended that all threaded connections be made with Teflon® tape only.

Failure to follow these instructions will void the warranty and possibly result in leaks and water damage.



# **Technical Information - Mini Fittings**

#### **Material Specifications**

Body: Polypropylene
Collet: Acetal
O-Ring: EPDM
Spacer: Acetal

#### **Fitting Performance**

AquaLock™	Max. Pres.	150psi @ 70℉	(10.3 bar @ 20°C)
Mini	Max. Temp.	60psi @ 140°F	(4.1 bar @ 60°C)
	Min. Temp.	33°F (0.5°C)	

#### **Thread Torque Values**

Size	Max. Torque Values	
1/8", 1/4" (3.8mm)	13.3 in - lbs. (1.5 Nm)	
3/8", 1/2" (10, 15mm)	26.6 in - lbs. (3.0 Nm)	

#### **Approvals**



**FDA:** Watts AquaLock<sup>™</sup> Mini fittings are produced from FDA approved materials.



**NSF/ANSI 61-G:** Watts AquaLock<sup>TM</sup> Mini fitting products are tested, certified, and approved for contact with drinking water.

Lead free product is certified to NSF/ANSI 372 and conforms with the lead content requirements for lead free plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act.

\*The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

Watts AquaLock™ Mini fittings are designed and manufactured to be trouble free for many years of service life. Mini fitting products are designed and manufactured in polypropylene, a rugged thermoplastic polymer. All Mini fitting products are approved and certified to NSF-61-G. Mini fitting products are available in standard imperial inch sizes. The Watts AquaLock™ design allows for quick and easy connections without installation tools. Simply cut the plastic or copper piping and snap a Watts AquaLock™ fitting in place for a zero leak connection.

Watts AquaLock™ Mini fittings are designed for low pressure fluids. For other applications please refer to our Technical Service Department. Tubing should be supported at minimum of 36" to prevent excessive load to the connectors. Do not install tubing supports closer than 3 inches from the connector ends. We strongly recommend that new installations be thoroughly tested prior to use. Do not use with explosive gases, petroleum products, or other fuels.

#### **A** CAUTION

The polypropylene material used in the AquaLock<sup>TM</sup> fittings can be compromised by exposure to volatile organic compounds (VOC's) and caustic chemicals. Therefore, **DO NOT** expose this product to any such chemical or foreign substance, which would include exposure to the following products: **Pipe Dopes (thread sealants)**, bug sprays, lubricants, cleaners, paints, bleaches, acids, solder fluxes, plastic piping primers and cements, oxidizing agents, alkaline solutions, thinners, fuels, oil based caulks, hydrocarbons, spray foam of foaming agents (insulation).

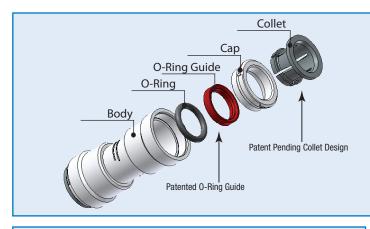
Watts recommends that all fittings and parts be stored in their original packaging until installation to protect the fitting internals from dirt and debris that may cause damage to the o-ring and the o-ring guide.

It is also recommended that all threaded connections be made with Teflon  $\!\!^{\text{@}}$  tape only.

Failure to follow these instructions will void the warranty and possibly result in leaks and water damage.



# **Technical Information**



# **O-RING GUIDE IS THE KEY!**

All AquaLock connectors incorporate an exclusive O-Ring Guide for improved reliability. This unique feature insures zero-leak connections by:

- Protecting the O-Ring from damage during connection
- Increasing the connector's side load capacity
- Correctly aligning the tubing with the O-Ring every time
- Prevents the O-Ring from becoming dislodged



# **IAPMO Certified Fittings**

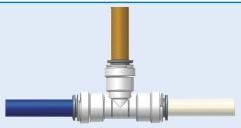
The AquaLock Plastic and Brass Series fittings are manufactured in compliance with IAPMO ASSE 1061-2006. With the IAPMO certification, these fittings are approved for domestic and commercial applications for both potable water distribution systems and hydronic heating systems. These fittings can also be utilized in underground applications and as manufactured joints without access panels. To be installed in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code.

\* If PEX tubing is used, then a tube support liner must be used also



#### Rotates under pressure!

After a joint is made, the tubing can still swivel while connected – even under maximum pressure. The ability to rotate under pressure makes these connectors ideal for vibrating and dynamic applications.



#### **Connect to Multiple Materials!**

The AquaLock fittings incorporate Stainless Steel Gripping Teeth in the Collets. These corrosion resistant teeth allow AquaLock connectors to interconnect with multiple materials without the need for special tools or tube inserts.

- Copper
- CPVC
- PEX, LDPE, MDPE, & HDPE Tubings
- Polybutylene



With AquaLock fittings, small lengths of tubing can be eliminated by using our stackable connector configurations. Simply snap together Tees and/or Elbows to create a mini-manifold of fittings. Because AquaLock connectors rotate, the direction of the tubing can be oriented by a simple twist, reducing the amount of tubing required to plumb a water system.



#### **Highest Flow!**

AquaLock connectors join the tubing on the outside. Because there is no barb fitting on the inside of the tubing the flow capacity is increased by more than 30%. Only AquaLock connectors offer complete flow, allowing for a more efficient system.

### Size and Abbreviation Cross Reference

01033 1101010100		
3/8" CTS	1/2" OD	
1/2" CTS	5/8" OD	
3/4" CTS	7/8" OD	
1" CTS	9/8" OD	
NPT	National Pipe Thread Tapered	
BSP	British Straight Pipe Thread	
FGHT	Female Garden Hose Thread	
MGHT	Male Garden Hose Thread	
NPS	National Pipe Thread Straight	
Closet	Toilet Connection	
CTS	Copper Tube Size	



# **Tubing for Plastic Series Fittings**

#### **PEX Tubing**

#### LEAD FREE

AquaLock tubing is produced from a high performance, cross-linked Polyethylene material. AquaLock tubing is formulated and manufactured in 3/8" CTS (1/2" 0.D.), 1/2" CTS (5/8" 0.D.), 3/4" CTS (7/8" 0.D.), and 1" CTS (9/8" 0.D.) sizes. AquaLock tubing is NSF listed, FDA recognized and available in multiple colors for ease of water line identification.

#### **Tubing Performance Rating:**

Operating Pressure: Vacuum to 160psi Max Temperature: 180°F @ 100psi 72°F @ 160psi 3/8" and 1/2" CTS 50' coils are packaged in a dispensing box.



REPLACEMENT BLADE PART NO. 1161-1522

... ...

#### **IAPMO** Certified Fittings

To be compliant with IAPMO ASSE 1061-2006, when using PEX tubing, a tube support liner must be used also.



\*Metric PEX is on page 16.

# **Mini Series**

#### INTRODUCTION

AquaLock is proud to introduce the new Mini Series polypropylene fittings for POU installations and drinking water systems, beverage service, and water filtration applications.

#### **Technical Information**

#### Temperature and Pressure:

Max. Pres. 150psi @ 70°F (10.3 bar @ 20°C) Max. Temp. 60psi @ 140°F (4.1 bar @ 60°C) Min. Temp. 33°F (0.5°C)

ANSI/NSF-61 approved

Mini Series fittings are made from FDA approved materials





For use with PEX, Polyethylene, Nylon, Polypropylene, Polyurethane, Copper, Brass, and mild steel tubing.

UNION TEES			LEAD FREE*
	MODEL	EDP/UPC CODE	SIZE & CONNECTION
	1023-04	81900072 / 840213094560	1/4" OD
A 100	1023-06	81900077 / 840213094287	3/8" <b>OD</b>
(a) June	1023-08	81900089 / 840213094294	1/2" <b>OD</b>

# **REDUCING TEES**

f			
	MODEL	EDP/UPC CODE	SIZE & CONNECTION
	1024R-060604	81900107 / 840213094300	3/8" OD x 3/8" OD x 1/4" OD
	1024R-080806	81900108 / 840213094317	1/2" OD x 1/2" OD x 3/8" OD

LEAD FREE\*

**LEAD FREE\*** 

LEAD FREE\*

**LEAD FREE\*** 

**UNION ELBOWS** 

MODEL	EDP/UPC CODE	SIZE & CONNECTION
1017-04	81900073 / 840213094324	1/4" OD
1017-06	81900076 / 840213094331	3/8" <b>OD</b>
1017-08	81900123 / 840213094348	1/2" <b>OD</b>

# **REDUCING UNION ELBOW**

**STACKABLE ELBOWS** 

N ELBOW		LEAD FREE*
MODEL	EDP/UPC CODE	SIZE & CONNECTION
1017R-0604	81900128 / 840213094539	3/8" <b>OD</b> x 1/4" <b>OD</b>

MODEL	EDP/UPC CODE	SIZE & CONNECTION
1018-04	81900124 / 840213094492	1/4" OD
1018-06	81900125 / 840213094508	3/8" <b>OD</b>
1018-08	81900126 / 840213094515	1/2" OD

MALE ELBOWS			LEAD FREE*
	MODEL	EDP/UPC CODE	SIZE & CONNECTION
	1019-0402	81900099 / 840213094638	1/4" OD x 1/8" NPTF
	1019-0404	81900096 / 840213094621	1/4" OD x 1/4" NPTF
	1019-0406	81900109 / 840213094645	1/4" OD x 3/8" NPTF
	1019-0604	81900097 / 840213094454	3/8" OD x 1/4" NPTF
	1019-0606	81900098 / 840213094461	3/8 " <b>OD</b> x 3/8" <b>NPTF</b>
	1019-0806	81900091 / 840213094478	1/2" OD x 3/8" NPTF
	1019-0808	81900092 / 840213094485	1/2" OD x 1/2" NPTF

UNION CONNEC	TORS
	MO
	1015-0
	1015-0
	1015-0

MODEL	EDP/UPC CODE	SIZE & CONNECTION
1015-04	81900075 / 840213094577	1/4" OD
1015-06	81900074 / 840213094249	3/8" <b>OD</b>
1015-08	81900090 / 840213094256	1/2" <b>OD</b>

REDUCING UNION CONNECTORS			LEAD FREE*
	MODEL	EDP/UPC CODE	SIZE & CONNECTION
	1015R-0604	81900095 / 840213094263	3/8" OD x 1/4" OD
	1015R-0806	81900122 / 840213094270	1/2" OD x 3/8" OD
0.00			

<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

# **Mini Series**

0126 174 - 070 - 172 00				
FEMALE CONNEC	TORS		LEAD FREE	
	MODEL	EDP/UPC CODE	SIZE & CONNECTION	
	1010-0401	81900105 / 840213094355	1/4" OD x 7/16" UNS	
46	1010-0601	81900106 / 840213094362	3/8" <b>OD</b> x 7/16" <b>UNS</b>	
	1010-0404	81900103 / 840213094379	1/4" OD x 1/4" NPTF	
	1010-0604	81900104 / 840213094386	3/8" OD x 1/4" NPTF	
MALE CONNECTO	nes .		LEAD FREE	
WALL COMMESTS				
	MODEL	EDP/UPC CODE	SIZE & CONNECTION	
	1001-0402	81900083 / 840213094591	1/4" OD x 1/8" NPTF	
1	1001-0404	81900082 / 840213094584	1/4" OD x 1/4" NPTF	
1100	1001-0406	81900084 / 840213094607	1/4" OD x 3/8" NPTF	
	1001-0408	81900085 / 840213094614	1/4" OD x 1/2" NPTF	
	1001-0602	81900100 / 840213094393	3/8" OD x 1/8" NPTF	
	1001-0604	81900087 / 840213094409	3/8" OD x 1/4" NPTF	
	1001-0606	81900086 / 840213094416	3/8" OD x 3/8" NPTF	
	1001-0608	81900088 / 840213094423	3/8" OD x 1/2" NPTF	
	1001-0806	81900093 / 840213094430	1/2" OD x 3/8" NPTF	
	1001-0808	81900094 / 840213094447	1/2" OD x 1/2" NPTF	
REDUCING STEM			LEAD FREE	
-	MODEL	EDP/UPC CODE	SIZE & CONNECTION	
	1014R-0604	81900127 / 840213094522	3/8" <b>OD</b> x <b>1/4</b> " <b>OD</b>	
MALE STEMS			LEAD FREE	
	MODEL	EDP/UPC CODE	SIZE & CONNECTION	
	1027-0402	81906431 / 840213094188	1/4" OD x 1/8" NPTF	
	1027-0404	81906432 / 840213094195	1/4" OD x 1/4" NPTF	
	1027-0604	81906433 / 840213094201	3/8" OD x 1/4" NPTF	
	1027-0606	81900119 / 840213094218	3/8" <b>OD</b> x 3/8" <b>NPTF</b>	
	1027-0806	81900120 / 840213094225	1/2" OD x 3/8" NPTF	
END STOPS			LEAD FREE	
( T)	MODEL	EDP/UPC CODE	SIZE & CONNECTION	
(A)	1045-04	81900121 / 840213094232	1/4" OD	
STOP VALVES			LEAD FREE	
	MODEL	EDP/UPC CODE	SIZE & CONNECTION	
	1039-04	81900079 / 840213094164	1/4" <b>OD</b>	
62	1039-06	81900078 / 840213094171	3/8" <b>OD</b>	
MALE STOP VALVI	:e		LEAD FREE	
WALE STOP VALVE				
1	MODEL	EDP/UPC CODE	SIZE & CONNECTION	
	1062-04	81900081 / 840213094140	1/4" OD x 1/4" NPTF	
	1062-06	81900080 / 840213094157	3/8" <b>OD</b> x 3/8" <b>NPTF</b>	
FEMALE STOP VA	LVES		LEAD FREE	
	MODEL	EDP/UPC CODE	SIZE & CONNECTION	
	1053-0404	81900101 / 840213094546	1/4" OD x 1/4" NPTF	
	1053-0604	81900102 / 840213094553	3/8" <b>OD</b> x 1/4" <b>NPTF</b>	

<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

AquaLock Plastic Series is designed and manufactured in Polysulfone-a highperformance thermal plastic material—for many years of trouble-free service life. The majority of Plastic Series products are approved and certified to NSF-61, NSF-14, CSA B137.5, ASTM F877, and IAPMO ASSE 1061-2006 and to the Uniform Plumbing Code (U.P. Code). Plastic Series products are available in standard imperial inch. AquaLock's push-to-connect design allows for quick and easy connections without installation tools; simply cut the plastic, copper, or CPVC piping and snap the Aqualock fitting in place for a zero-leak connection.

\*For item specific listings and approvals, please reference our engineering sheets on Watts.com

FITTINGS PERFORMANCE RATING:

Max. Pres. 250psi @ 75°F (17.25 bar @ 24°C)

Max. Temp. 100psi @ 180°F (6.8 bar @ 82°C)

Min. Temp. 33°F (0.5°C)

AquaLock connectors utlize a swivel nut with NPS straight threads and a cone seal. This allows the installer to thread onto NPT, NPS, BSP, and most other threads without tools or thread sealant. Simply thread on, hand tight, for a zero-leak seal.







UNION TEE LEAD FREE*				
	MODEL	TUBE SIZE	PACKAGE	
	3523-08CP	3/8" CTS	CONTRACTOR PACK	
	3523-08	3/8" CTS	SINGLE	
	3523-10CP	1/2" CTS	CONTRACTOR PACK	
	3523-10	1/2" CTS	SINGLE	
	3523-14CP	3/4" CTS	CONTRACTOR PACK	
	3523-14	3/4" CTS	SINGLE	
	3523-18CP	1" CTS	CONTRACTOR PACK	

STACKABLE TEE		LE	EAD FREE*
	MODEL	TUBE SIZE	PACKAGE
	3533-08CP	3/8" CTS	CONTRACTOR PACK
- Jane	3533-08	3/8" CTS	SINGLE
	3533-10CP	1/2" CTS	CONTRACTOR PACK
	3533-10	1/2" CTS	SINGLE
	3533-14CP	3/4" CTS	CONTRACTOR PACK
	3533-14	3/4" CTS	SINGLE
	3533-18CP	1" CTS	CONTRACTOR PACK

<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

#### **STACKABLE BRANCH TEE** LEAD FREE\*



MODEL	TUBE SIZE	PACKAGE
3534-10CP	1/2" CTS	CONTRACTOR PACK
3534-10	1/2" CTS	SINGLE



REDUCING BRANCH STACKABLE TEE LEAD FREE*				
	MODEL	TUBE SIZE	TUBE SIZE	PACKAGE
	3533R-1004CP	1/2" CTS	1/4" O.D.	CONTRACTOR PACK
The same	3533-1004	1/2" CTS	1/4" O.D.	SINGLE
	3533R-1410CP	3/4" CTS	1/2" CTS	CONTRACTOR PACK
	3533-1410	3/4" CTS	1/2" CTS	SINGLE

MALE THREAD TEE			LEA	D FREE*
	MODEL	TUBE SIZE	THREAD SIZE	PACKAGE



MODEL	TUBE SIZE	THREAD SIZE	PACKAGE
3530-1008CP	1/2" CTS	1/2" NPT	CONTRACTOR PACK
3530-1008	1/2" CTS	1/2" NPT	SINGLE



REDUCING BRANCH TEE			LE/	AD FREE*
	MODEL	TUBE SIZE	TUBE SIZE	PACKAGE
	3524R-101004CP	1/2" CTS	1/4" O.D.	CONTRACTOR PACK
	3524R-101004	1/2" CTS	1/4" 0.D.	SINGLE
9	3524R-141410CP	3/4" CTS	1/2" CTS	CONTRACTOR PACK
	3524R-141410	3/4" CTS	1/2" CTS	SINGLE
	3524R-181814CP	1" CTS	3/4" CTS	CONTRACTOR PACK
	3524R-181814	1" CTS	3/4" CTS	SINGLE

REDUCING RUN TEE	LEAD FREE*



MODEL	TUBE SIZE	TUBE SIZE	PACKAGE
3526R-141410CP	3/4" CTS	1/2" CTS	CONTRACTOR PACK
3526R-141410	3/4" CTS	1/2" CTS	SINGLE

STACKABLE ELBOW





MODEL	TUBE SIZE	PACKAGE
3518-08CP	3/8" CTS	CONTRACTOR PACK
3518-08	3/8" CTS	SINGLE
3518-10CP	1/2" CTS	CONTRACTOR PACK
3518-10	1/2" CTS	SINGLE
3518-14CP	3/4" CTS	CONTRACTOR PACK
3518-14	3/4" CTS	SINGLE
3518-18CP	1" CTS	CONTRACTOR PACK

#### **LEAD FREE\* UNION ELBOW**



MODEL	TUBE SIZE	PACKAGE
3517-08CP	3/8" CTS	CONTRACTOR PACK
3517-08	3/8" CTS	SINGLE
3517-10CP	1/2" CTS	CONTRACTOR PACK
3517-10	1/2" CTS	SINGLE
3517-14CP	3/4" CTS	CONTRACTOR PACK
3517-14	3/4" CTS	SINGLE
3517-18CP	1" CTS	CONTRACTOR PACK
3517-18	1" CTS	SINGLE

### **UNION CONNECTOR**



MODEL	TUBE SIZE	PACKAGE
3515-08CP	3/8" CTS	CONTRACTOR PACK
3515-08	3/8" CTS	SINGLE
3515-10CP	1/2" CTS	CONTRACTOR PACK
3515-10	1/2" CTS	SINGLE
3515-14CP	3/4" CTS	CONTRACTOR PACK
3515-14	3/4" CTS	SINGLE
3515-18CP	1" CTS	CONTRACTOR PACK
3515-18	1" CTS	SINGLE

REDUCING UNION ELBOW	LEAD FREE*
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MODEL	TUBE SIZE	TUBE SIZE	PACKAGE
3517-1410	3/4" CTS	1/2" CTS	SINGLE



DROP EAR ELBOW			LE	AD FREE*
	MODEL	TUBE SIZE	THREAD SIZE	PACKAGE
	3521-1008CP	1/2" CTS	1/2" NPT	CONTRACTOR PACK
	3521-1008	1/2" CTS	1/2" NPT	SINGLE

#### **FLANGE MOUNT ELBOW**



MODEL	TUE	E SIZE THRI	EAD SIZE	PACKAGE
3568-08	B10CP 1/2	" CTS 1/2"	'NPS	CONTRACTOR PACK
3568-08	310 1/2	" CTS 1/2"	'NPS	SINGLE

<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

# Sizes 3/8" - 1/2" - 3/4" - 1" CTS

# REDUCING UNION LEAD FREE\* MODEL TUBE SIZE TUBE SIZE PACKAGE



MODEL	TUBE SIZE	TUBE SIZE	PACKAGE
3515R-1004CP	1/2" CTS	1/4" O.D.	CONTRACTOR PACK
3516R-1004	1/2" CTS	1/4" O.D.	SINGLE
3515R-1008CP	1/2" CTS	3/8" CTS	CONTRACTOR PACK
3516R-1008	1/2" CTS	3/8" CTS	SINGLE
3515R-1410CP	3/4" CTS	1/2" CTS	CONTRACTOR PACK
3516R-1410	3/4" CTS	1/2" CTS	SINGLE
3515-1814CP	1" CTS	3/4" CTS	CONTRACTOR PACK
3515R-1814CP	1" CTS	3/4" CTS	SINGLE

END STOP			LEAD FREE*
	MODEL	TUBE SIZE	PACKAGE
	3545-08CP	3/8" CTS	CONTRACTOR PACK
	3545-08	3/8" CTS	SINGLE
	3545-10CP	1/2" CTS	CONTRACTOR PACK
	3545-10	1/2" CTS	SINGLE
	3545-14CP	3/4" CTS	CONTRACTOR PACK
	3545-14	3/4" CTS	SINGLE
	3545-18CP	1" CTS	CONTRACTOR PACK
	3545-18	1" CTS	SINGLE

# FEMALE CONNECTOR LEAD FREE\*



MODEL	TUBE SIZE	THREAD SIZE	PACKAGE
3510-0808CP	3/8" CTS	1/2" NPS	CONTRACTOR PACK
3510-0808	3/8" CTS	1/2" NPS	SINGLE
3510-0814CP	3/8" CTS	3/4" FGHT	CONTRACTOR PACK
3510-0814	3/8" CTS	3/4" FGHT	SINGLE
3510-1008CP	1/2" CTS	1/2" NPS	CONTRACTOR PACK
3510-1008	1/2" CTS	1/2" NPS	SINGLE
3510-1012CP	1/2" CTS	3/4" NPS	CONTRACTOR PACK
3510-1012	1/2" CTS	3/4" NPS	SINGLE
3510-1013CP	1/2" CTS	3/4" CLOSET	CONTRACTOR PACK
3510-1013	1/2" CTS	3/4" CLOSET	SINGLE
3510-1014CP	1/2" CTS	3/4" FGHT	CONTRACTOR PACK
3510-1014	1/2" CTS	3/4" FGHT	SINGLE
3510-1412CP	3/4" CTS	3/4" NPS	CONTRACTOR PACK
3510-1412	3/4" CTS	3/4" NPS	SINGLE
3510-1816CP	1" CTS	1" NPS	CONTRACTOR PACK
3510-1816	1" CTS	1" NPS	SINGLE

FEMALE SWIVEL ELBOW			LE	AD FREE*
	MODEL	TUBE SIZE	THREAD SIZE	PACKAGE
	3520-0808CP	3/8" CTS	1/2" NPS	CONTRACTOR PACK
	3520-0808	3/8" CTS	1/2" NPS	SINGLE
	3520-1008CP	1/2" CTS	1/2" NPS	CONTRACTOR PACK
	3520-1008	1/2" CTS	1/2" NPS	SINGLE
	3520-1012CP	1/2" CTS	3/4" NPS	CONTRACTOR PACK
	3520-1012	1/2" CTS	3/4" NPS	SINGLE
	3520-1013	1/2" CTS	3/4" CLOSET	SINGLE

1/2" CTS

1/2" CTS

3/4" FGHT

3/4" FGHT

CONTRACTOR PACK

SINGLE

3520-1014CP

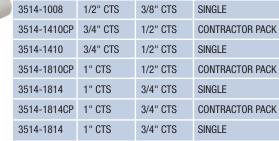
3520-1014

# MALE CONNECTOR LEAD FREE\*



MODEL	TUBE SIZE	THREAD SIZE	PACKAGE
3501-0806CP	3/8" CTS	3/8" NPT	CONTRACTOR PACK
3501-0806	3/8" CTS	3/8" NPT	SINGLE
3501-0808CP	3/8" CTS	1/2" NPT	CONTRACTOR PACK
3501-0808	3/8" CTS	1/2" NPT	SINGLE
3501-1006CP	1/2" CTS	3/8" NPT	CONTRACTOR PACK
3501-1006	1/2" CTS	3/8" NPT	SINGLE
3501-1008CP	1/2" CTS	1/2" NPT	CONTRACTOR PACK
3501-1008	1/2" CTS	1/2" NPT	SINGLE
3501-1012CP	1/2" CTS	3/4" NPT	CONTRACTOR PACK
3501-1012	1/2" CTS	3/4" NPT	SINGLE
3501-1014CP	1/2" CTS	3/4" MGHT	CONTRACTOR PACK
3501-1014	1/2" CTS	3/4" MGHT	SINGLE
3501-1412CP	3/4" CTS	3/4" NPT	CONTRACTOR PACK
3501-1412	3/4" CTS	3/4" NPT	SINGLE
3501-1816CP	1" CTS	1" NPT	CONTRACTOR PACK

REDUCING ST	EIVI		AD FREE	
	MODEL	STEM SIZE	TUBE SIZE	PACKAGE
	3514-1008CP	1/2" CTS	3/8" CTS	CONTRACTOR PACK
1	3514-1008	1/2" CTS	3/8" CTS	SINGLE
	3514-1410CP	3/4" CTS	1/2" CTS	CONTRACTOR PACK
	3514-1410	3/4" CTS	1/2" CTS	SINGLE



# MALE ELBOW LEAD FREE\*



MODEL	TUBE SIZE	THREAD SIZE	PACKAGE
3519-1006CP	1/2" CTS	3/8" NPT	CONTRACTOR PACK
3519-1006	1/2" CTS	3/8" NPT	SINGLE
3519-1008CP	1/2" CTS	1/2" NPT	CONTRACTOR PACK
3519-1008	1/2" CTS	1/2" NPT	SINGLE
3519-1412	3/4" CTS	3/4" NPT	SINGLE
3519-1816	1" CTS	1" NPT	SINGLE
3519-1816CP	1" CTS	1" NPT	CONTRACTOR PACK
3519-1816	1" CTS	1" NPT	SINGLE

<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

#### **UNION PUMP FITTING LEAD FREE** TUBE SIZE PACKAGE 3575-10CP 1/2" CTS CONTRACTOR PACK

ELBOW PUMP FITTING	L	EAD FREE*	
	MODEL	TUBE SIZE	PACKAGE
	3576-10CP	1/2" CTS	CONTRACTOR PACK
CO - WILL	3576-10	1/2" CTS	SINGLE



STACKABLE H	HOSE BARB	LE	AD FREE	
(Rear	MODEL	TUBE SIZE	THREAD SIZE	PACKAGE
	3511-1008CP	1/2" CTS	1/2" H.B.	CONTRACTOR PACK
	3511-1008	1/2" CTS	1/2" H.B.	SINGLE

STACKABLE HOSE BARB ELBOW LEAD FREE						
	MODEL.	TUBE SIZE	THREAD SIZE	PACKAGE		
With the second	3512-1008CP	1/2" CTS	1/2" H.B.	CONTRACTOR PACK		
	3512-1008	1/2" CTS	1/2" H.B.	SINGLE		



ITTING		LE	AD FREE*
MODEL	TUBE SIZE	THREAD SIZE	PACKAGE
3513-1008CP	1/2" CTS	1/2" H.B.	CONTRACTOR PACK
3513-1008	1/2" CTS	1/2" H.B.	SINGLE
3513-1412CP	3/4" CTS	3/4" H.B.	CONTRACTOR PACK
3513-1412	3/4" CTS	3/4" H.B.	SINGLE
3513-1816	1" CTS	1" H.B.	SINGLE

MALE STEM			LE	AD FREE*
	MODEL	STEM SIZE	THREAD SIZE	PACKAGE
	3527-1008CP	1/2" CTS	1/2" NPT	CONTRACTOR PACK
-	3527-1008	1/2" CTS	1/2" NPT	SINGLE
	3527-1416CP	3/4" CTS	1" NPT	CONTRACTOR PACK



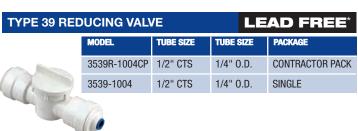
		LE	AD FREE*
MODEL	STEM SIZE	THREAD SIZE	PACKAGE
3528-1008CP	1/2" CTS	1/2" NPS	CONTRACTOR PACK
3528-1008	1/2" CTS	1/2" NPS	SINGLE



**TYPE 39 IN-LINE VALVE** 

MODEL	TUBE SIZE	PACKAGE
3539-08CP	3/8" CTS	CONTRACTOR PACK
3539-08	3/8" CTS	SINGLE
3539-10CP	1/2" CTS	CONTRACTOR PACK
3539-10	1/2" CTS	SINGLE
3539-14CP	3/4" CTS	CONTRACTOR PACK
3539-14	3/4" CTS	SINGLE
3539-18CP	1" CTS	CONTRACTOR PACK
3539-18	1" CTS	SINGLE

LEAD FREE\*

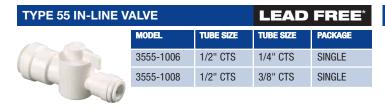




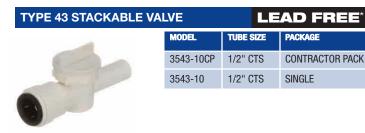
TYPE 59 PANEL MOUNT	LEAD FREE*		
	MODEL	TUBE SIZE	PACKAGE
	3559-08CP	3/8" CTS	CONTRACTOR PACK
	3559-08	3/8" CTS	SINGLE
430	3559-10CP	1/2" CTS	CONTRACTOR PACK
	3559-10	1/2" CTS	SINGLE

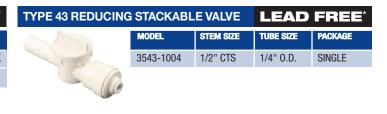
<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

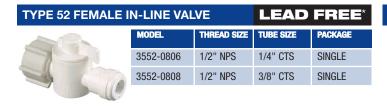
# Sizes 3/8" - 1/2" - 3/4" - 1" CTS

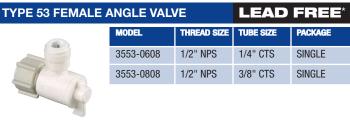


TYPE 56 ANGLE V		LEAD	FREE*	
_	MODEL	TUBE SIZE	TUBE SIZE	PACKAGE
	3556-1006	1/2" CTS	1/4" CTS	SINGLE
	3556-1008	1/2" CTS	3/8" CTS	SINGLE
0				









TYPE 54 FEMALE A	LEAD	FREE*		
	MODEL	THREAD SIZE	THREAD SIZE	PACKAGE
	3554-1408	1/2" NPS	3/4" MGHT	SINGLE

TYPE 57 MALE AND	GLE VALVE		LEAD	FREE*
	MODEL	THREAD SIZE	THREAD SIZE	PACKAGE
	3557-1408	1/2" NPT	3/4" MGHT	SINGLE
The second second				

TYPE 58 ANGLE V	ALVE		LEAD	FREE*
-	MODEL	TUBE SIZE	THREAD SIZE	PACKAGE
	3558-1014	1/2" CTS	3/4" MGHT	SINGLE

TYPE 51 TEE VALV	E		LEAD	FREE*
	MODEL	THREAD SIZE	THREAD SIZE	TUBE SIZE
	3551-0808	1/2" NPS	1/2" NPT	3/8" CTS

<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

## **TYPE 50 TEE VALVE** LEAD FREE\*



MODEL	RUN SIZE	BRANCH SIZE	PACKAGE
3550-0404CP	1/4" OD	1/4" OD	CONTRACTOR PACK
3550-0404	1/4" OD	1/4" OD	SINGLE
3550-1004CP	1/2" CTS	1/4" OD	CONTRACTOR PACK
3550-1004	1/2" CTS	1/4" OD	SINGLE
3550-1008CP	1/2" CTS	3/8" CTS	CONTRACTOR PACK
3550-1008	1/2" CTS	3/8" CTS	SINGLE
3550-1404CP	3/4" CTS	1/4" OD	CONTRACTOR PACK
3550-1404	3/4" CTS	1/4" OD	SINGLE
3550-1508CP	15MM	3/8" CTS	CONTRACTOR PACK
3550-1508	15MM	3/8" CTS	SINGLE

TYPE 38 SELECTOR VAL	LE	AD FREE*	
15	MODEL	TUBE SIZE	PACKAGE
	3538-10CP	1/2" CTS	CONTRACTOR PACK
	3538-10	1/2" CTS	SINGLE

TYPE 40 UNION CHECK	VALVE	LE	AD FREE*
	MODEL	TUBE SIZE	PACKAGE
	3540-10CP	1/2" CTS	CONTRACTOR PACK
	3540-10	1/2" CTS	SINGLE

TYPE 41 BY-PASS VALVE		LEAD FREE*		
	MODEL	TUBE SIZE	PACKAGE	
	3541-10CP	1/2" CTS	CONTRACTOR PACK	
	3541-10	1/2" CTS	SINGLE	



**COLLET CLIP** 

**O-RING ASSEMBLY** 

MODEL	TUBE SIZE	PACKAGE
35159-08CP	3/8" CTS	CONTRACTOR PACK
35159-10CP	1/2" CTS	CONTRACTOR PACK
35159-14CP	3/4" CTS	CONTRACTOR PACK
35159-18CP	1" CTS	CONTRACTOR PACK

**LEAD FREE** 

TYPE 61 ADAPTER STOP VALVE						
	MODEL	TUBE SIZE	THREAD SIZE	THREAD SIZE		
	3561-0604	1/4" OD	3/8" MALE COMP	3/8" FEMALE COMP		
-	3561-0606	3/8" OD	3/8" MALE COMP	3/8" FEMALE COMP		



MODEL	TUBE SIZE	PACKAGE
3547-08CP	3/8" CTS	CONTRACTOR PACK
3547-08	3/8" CTS	SINGLE
3547-10CP	1/2" CTS	CONTRACTOR PACK
3547-10	1/2" CTS	SINGLE
3547-14CP	3/4" CTS	CONTRACTOR PACK
3547-14	3/4" CTS	SINGLE
3547-18CP	1" CTS	CONTRACTOR PACK
3547-18	1" CTS	SINGLE

PIPE CLIP			
	MODEL	TUBE SIZE	PACKAGE
	2370-1557CP	1/2" CTS	CONTRACTOR PACK
A	2370-1557	1/2" CTS	SINGLE
	2370-2257CP	3/4" CTS	CONTRACTOR PACK
	2370-2257	3/4" CTS	SINGLE
	2370-2857CP	1" CTS	CONTRACTOR PACK

CONE SEAL		LE	AD FREE*
	MODEL	TUBE SIZE	PACKAGE
	161-08CP	1/2" NPS	CONTRACTOR PACK
	161-12CP	3/4" NPS & FGHT	CONTRACTOR PACK

3560-18CP

COLLET COVER						
	MODEL	SIZE	COLOR	PACKAGE		
	3555-08CP	3/8" CTS	WHITE	CONTRACTOR PACE		

E SUPPORT LINER		
	MODEL	TUBE SIZE
	3560-08CP	3/8" CTS
	3560-10CP	1/2" CTS
	3560-14CP	3/4" CTS

<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

1" CTS

EAD FREE PACKAGE

> CONTRACTOR PACK CONTRACTOR PACK CONTRACTOR PACK

CONTRACTOR PACK

# **Plastic Series Manifold**

# **Configuration Styles**

AquaLock™ Manifolds operate much like an electrical breaker box. The main water supply lines bring water into the manifold and individual distribution lines move water out to each fixture. All outlets have a built in valve which allows you the ability to stop the water flow to any single fixture without shutting down the entire water system.

The new AquaLock Manifold System utilizes an exclusive modular design. Manifold Sections can be purchased individually and simply snapped together to create the ideal configuration for each application. AquaLock also offers custom configured, pre-assembled manifolds.

#### **FEATURES**

Performance ratings

100psi @ 180°F 6.8 bar @ 82°C 250psi @ 75°F 17.25 bar @ 24°C

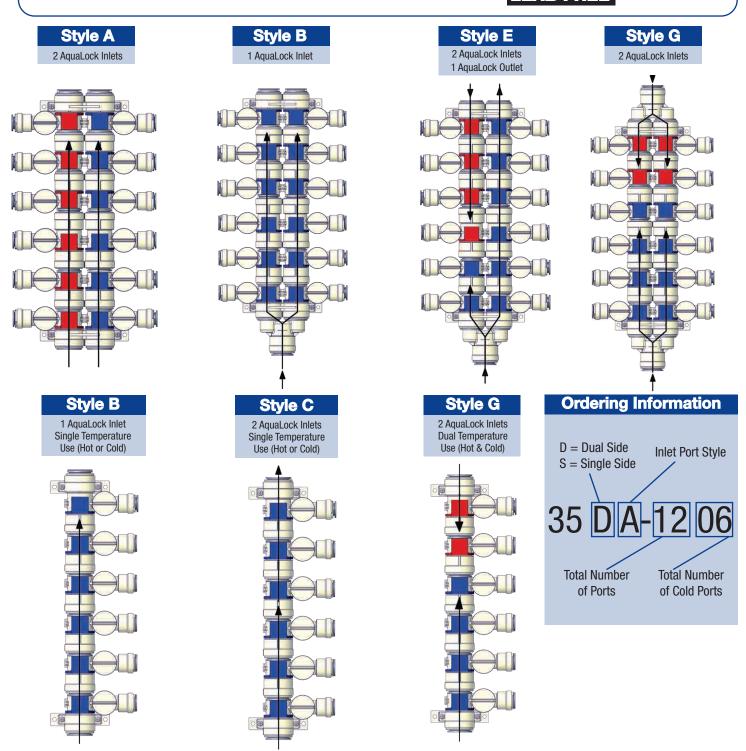
Complies with NSF and FDA standards

Available in custom configurations

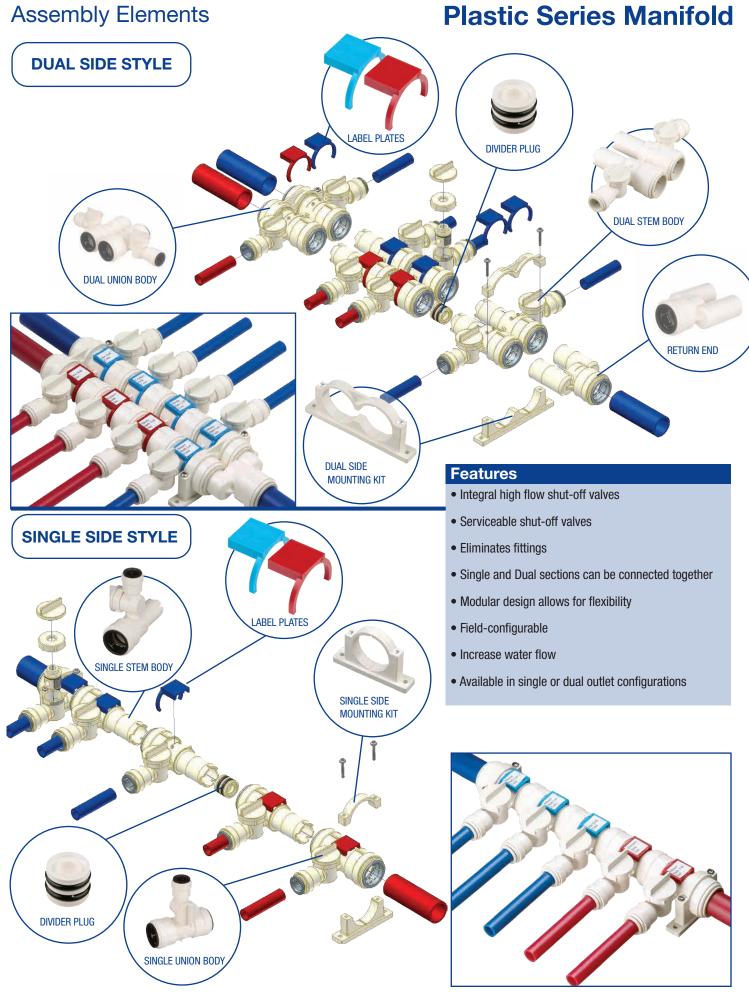
Includes mounting brackets and labels

All Inlets are 1" CTS (use a Reducing Stem to create other inlet sizes)

## LEAD FREE\*



<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.



# **Plastic Series Manifold**

# Components

#### **DUAL UNION BODY LEAD FREE BODY SIZE** 3583-1810CP 1" CTS 1/2" CTS CONTRACTOR PACK 3583-1810 1" CTS 1/2" CTS SINGLE

END PLUG		LE	AD FREE*
	MODEL	STEM SIZE	PACKAGE
	3546-18CP	1" CTS	CONTRACTOR PACK
	3546-18	1" CTS	SINGLE

DUAL STEM BODY			LE	AD FREE*
	MODEL	BODY SIZE	PORT SIZE	PACKAGE
	3584-1810CP	1" CTS	1/2" CTS	CONTRACTOR PACK
	3584-1810	1" CTS	1/2" CTS	SINGLE



SINGLE UNION BODY			LEAD FREE*		
	MODEL	BODY SIZE	PORT SIZE	PACKAGE	
	3589-1810CP	1" CTS	1/2" CTS	CONTRACTOR PACK	
	3589-1810	1" CTS	1/2" CTS	SINGLE	
9					

SINGLE SIDE MOUNTING KIT		
3	MODEL	PACKAGE
	3581-18CP	CONTRACTOR PACK
*Note: Stainless Bracket Screws Included		



DIVIDER PLUG	LE	AD FREE*
	MODEL	PACKAGE
	3582-18CP	CONTRACTOR PACK

SINGLE STEM BODY, LEFT			LE	EAD FREE*
	MODEL	BODY SIZE	PORT SIZE	PACKAGE
Allen.	3591-1810CP	1" CTS	1/2" CTS	CONTRACTOR PACK

RETURN END		LE	AD FREE*
	MODEL	STEM SIZE	PACKAGE
	3585-18CP	1" CTS	CONTRACTOR PACK
	3585-18	1" CTS	SINGLE

-	MODEL	STEM SIZE	TUBE SIZE	PACKAGE
	3514-1814CP	1" CTS	3/4" CTS	CONTRACTOR PACK
9	3514-1810CP	1" CTS	1/2" CTS	CONTRACTOR PACK
END STOP			LE	EAD FREE*
	M	IODEL	TUBE SIZE	PACKAGE

LABEL PLATE							
		MODEL	COLOR	PACKAGE			
		3586-18CP	RED	CONTRACTOR PACK			
		3586-18	RED	SINGLE			
		3587-18CP	BLUE	CONTRACTOR PACK			
		3587-18	BLUE	SINGLE			

ELAD I NEE						
MODEL	TUBE SIZE	PACKAGE	VALVE REPAIR KIT		LE	AD FREE*
3545-18CP	1" CTS CONTRACTOR PACK		MODEL	SPOOL SIZE	PACKAGE	
				3588-10CP	1/2"	CONTRACTOR PACK
				3588-10	1/2"	SINGLE

MANIFOLD WRENCH			
131	MODEL	BODY SIZE	PACKAGE
	351192-18CP	1" CTS	CONTRACTOR PACK

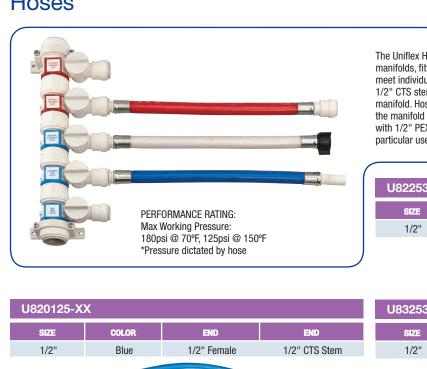
**REDUCING STEM** 

<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

<sup>\*</sup>Note: For Ease of Disconnection

1/2"

# **Uniflex Hose System**



The Uniflex Hose System is designed for use with the AquaLock™ Plastic Series manifolds, fittings, and valves and PEX tubing. All hoses come pre-assembled to meet individual needs and for ease of plumbing installation. Hoses that use the 1/2" CTS stems quick connect directly into a 1/2" push-to-connect fitting, valve, or manifold. Hoses that incorporate a 1/2" female end can be used for a home run from the manifold to a fixture. Hoses that use our 1/2" push-to-connect end can be used with 1/2" PEX or any of our 1/2" stem fittings to create the ideal connection for your particular use.

U822535-XX						
SIZE	COLOR	END	END			
1/2"	Blue	1/2" CTS Stem	1/2" Push-to-Connect			



U832535-XX						
SIZE	COLOR	END	END			
1/2"	Red	1/2" CTS Stem	1/2" Push-to-Connect			

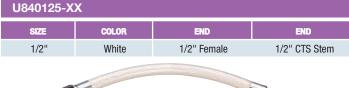


1/2" Female

	U842535-XX						
SIZE COLOR END EN	SIZE	COLOR	END	END			







U832525-XX						
SIZE	COLOR	END	END			
1/2"	Red	1/2" CTS Stem	1/2" CTS Stem			



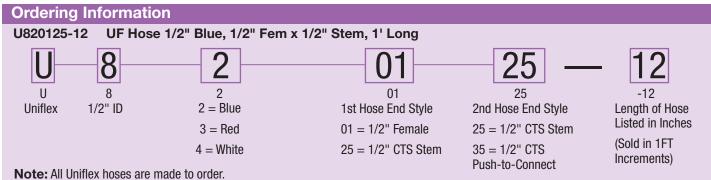
SIZE	COLOR	END	END				
1/2"	Blue	1/2" CTS Stem	1/2" CTS Stem				
112 S.10 S.11							

Call AquaLock Customer Service for lead times.

U842525-XX					
SIZE	COLOR	END	END		
1/2"	White	1/2" CTS Stem	1/2" CTS Stem		



1/2" CTS Stem



# **Metric Series**

# Sizes 15MM and 22MM



AquaLock Metric Series products are available in sizes 15mm and 22mm. AquaLock offers push-to-connect fittings, valves, modular manifolds and tubing in this world class product offering. AquaLock's Metric Series line is manufactured in several high performance materials that are FDA approved and NSF-61 certified for contact with drinking water.

FITTING PERFORMANCE RATING:

Operating Pressure: Vacuum to 250psi Max Temperature: 140°F @ 100psi / 75°F @ 250psi



AquaLock connectors utilize a swivel nut with NPS straight threads and a cone seal. This allows the installer to thread onto NPT, NPS, BSP and most 1/2" male threads without tools or thread sealant. Simply thread on, hand tight, for a zero-leak seal.

Cone Seal



Model	Description
	Metric PEX
001550B	PEX Tubing 15MM Blue 50' Coil Box
50241	PEX Tubing 15MM Blue 250' Coil
001550R	PEX Tubing 15MM Red 50' Coil Box
50237	PEX Tubing 15MM Red 250' Coil
001550W	PEX Tubing 15MM White 50' Coil Box
CST50241G	PEX Tubing 15MM Green 250' Coil
50251	PEX Tubing 22MM Blue 50' Coil
50247	PEX Tubing 22MM Red 50' Coil
50243	PEX Tubing 22MM White 50' Coil



AquaLock tubing is produced from a high performance, polyethylene material. AquaLock Tubing is formulated and manufactured in 15MM and 22MM sizes. AquaLock Tubing is NSF listed, FDA recognized and available in multiple colors for ease of water line identification.



TUBING PERFORMANCE RATING: Operating Pressure: Vacuum to 160psi Max Temperature: 180°F @ 100psi 72°F @ 160psi

15MM 50' coils are packaged in a dispensing box.

POLY TUBING		LEAD	FREE*
	MODEL	TUBE SIZE	COIL SIZE
	PE1004N-100	1/4" O.D.	100' COIL
CUTTER	REPLA	CEMENT	
MODEL	1-	M	IODEL
1158-1522		1	161-1522

<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

# **Metric Series**

#### **UNION TEE LEAD FREE\*** MODEL TUBE SIZE PACKAGE 1123-1515CP 15MM CONTRACTOR PACK 1123-1515 15MM SINGLE 1623-2222CP 22MM CONTRACTOR PACK

REDUCING TE	<b>E</b>	LEAD FREE*		
	MODEL	TUBE SIZE	TUBE SIZE	PACKAGE
1	1624-221515CP	22MM	15MM	CONTRACTOR PACK
	1624-222215CP	22MM	15MM	CONTRACTOR PACK

FEMALE SWIVEL TEE			LE	AD FREE*
	MODEL	TUBE SIZE	THREAD SIZE	PACKAGE
	1125-0815CP	15MM	1/2" NPS	CONTRACTOR PACK
	1125-0815	15MM	1/2" NPS	SINGLE

STACKABLE TEE		LE	EAD FREE*
	PART NO.	TUBE SIZE	PACKAGE
	1133-1515CP	15MM	CONTRACTOR PACK
	1133-1515	15MM	SINGLE
	1133-2222CP	22MM	CONTRACTOR PACK

UNION ELBOW		LE	AD FREE*
	MODEL	TUBE SIZE	PACKAGE
	1117-1515CP	15MM	CONTRACTOR PACK
	1117-1515	15MM	SINGLE
	1617-2222CP	22MM	CONTRACTOR PACK

FEMALE SWIVEL ELBOW			LE	AD FREE*
_	MODEL	TUBE SIZE	THREAD SIZE	PACKAGE
EXTO	1120-0815CP	15MM	1/2" NPS	CONTRACTOR PACK
	1120-0815	15MM	1/2" NPS	SINGLE
	1120-1215CP	15MM	3/4" NPS	CONTRACTOR PACK

STACKABLE ELBOW		LE	AD FREE*
	MODEL	TUBE SIZE	PACKAGE
100	1118-1515CP	15MM	CONTRACTOR PACK
	1118-1515	15MM	SINGLE
	1618-2222CP	22MM	CONTRACTOR PACK

DROP EAR ELBOW			LE	AD FREE*
	MODEL	TUBE SIZE	THREAD SIZE	PACKAGE
	1121-0815CP	15MM	1/2" NPT	CONTRACTOR PACK
	1			

REDUCING STEM			LE	AD FREE*
	MODEL	TUBE SIZE	STEM SIZE	PACKAGE
	1614-1522CP	15MM	22MM	CONTRACTOR PACK
	1614-1522	15MM	22MM	SINGLE

FLANGE MOUNT ELBOW			LE	AD FREE*
	MODEL	TUBE SIZE	THREAD SIZE	PACKAGE
	1168-0815CP	15MM	1/2" NPS	CONTRACTOR PACK
	1168-0815	15MM	1/2" NPS	SINGLE
20				

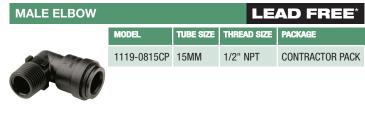
UNION CONNECTOR		LE	AD FREE*
	MODEL	TUBE SIZE	PACKAGE
	1115-1515CP	15MM	CONTRACTOR PACK
	1115-1515	15MM	SINGLE
	1615-2222CP	22MM	CONTRACTOR PACK

REDUCING UNION			LE/	AD FREE*
	MODEL	TUBE SIZE	TUBE SIZE	PACKAGE
Carlos Carlos	1116-1015CP	1/2" CTS	15MM	CONTRACTOR PACK
	1116-1015	1/2" CTS	15MM	SINGLE
Cito				

<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

# Sizes 15MM and 22MM

#### **FEMALE SWIVEL LEAD FREE\*** TUBE SIZE THREAD SIZE PACKAGE 1110-0815CP 15MM 1/2" NPS CONTRACTOR PACK 1110-0815 15MM SINGLE 1/2" NPS 1110-1215CP 15MM 3/4" NPS CONTRACTOR PACK 2609-1215CP 15MM 3/4" FGHT CONTRACTOR PACK 1607-1222CP 22MM 3/4" NPS CONTRACTOR PACK



MALE CONNECTOR			LE	AD FREE*
	MODEL	TUBE SIZE	THREAD SIZE	PACKAGE
	2402-0815CP	15MM	1/2" NPT	CONTRACTOR PACK
	2902-1222CP	22MM	3/4" NPT	CONTRACTOR PACK

MALE CONNECTOR (BRASS)					
Minne	MODEL	TUBE SIZE	THREAD SIZE	PACKAGE	
	1201-0815CP	15MM	1/2" NPT	CONTRACTOR PACK	
	1701-1222CP	22MM	3/4" NPT	CONTRACTOR PACK	

COMPRESSION CONNECTOR (BRASS)						
	MODEL	TUBE SIZE	NUT SIZE	PACKAGE		
	LF1212-0615	15MM	3/8"	CONTRACTOR PACK		
	LF1211-0615	15MM	NONE	CONTRACTOR PACK		

HOSE BARB CONNECTOR			LE	AD FREE*
_	MODEL	TUBE SIZE	BARB SIZE	PACKAGE
	1413-0615CP	15MM	3/8" H.B.	CONTRACTOR PACK
6	2413-0815CP	15MM	1/2" H.B.	CONTRACTOR PACK
	2413-0815	15MM	1/2" H.B.	SINGLE
	2913-1222CP	22MM	3/4" H.B.	CONTRACTOR PACK

MALE STEM (BR	RASS)			
	PART NO.	STEM SIZE	THREAD SIZE	PACKAGE
	1229-0815CP	15MM	1/2" NPT	CONTRACTOR PACK

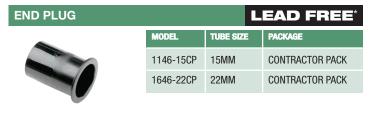
ELBOW PUMP CONNECT	LEAD FREE*		
	PART NO.	TUBE SIZE	PACKAGE
	2476-15CP	15MM	CONTRACTOR PACK
Olympia (C)			

UNION PUMP CONNEC	LEAD FREE*		
	MODEL	TUBE SIZE	PACKAGE
	2475-15CP	15MM	CONTRACTOR PACK
HILL			

<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

# **Metric Series**

MODEL TUBE SIZE PACKAGE  1145-15CP 15MM CONTRACTOR PACK	END STOP			LEAD FREE*
1145-15CP 15MM CONTRACTOR PACK		MODEL	TUBE SIZE	PACKAGE
		1145-15CP	15MM	CONTRACTOR PACK
1145-15 15MM SINGLE		1145-15	15MM	SINGLE
1645-22CP 22MM CONTRACTOR PACK		1645-22CP	22MM	CONTRACTOR PACK



STOP VALVE		-	LEAD FREE*
	MODEL	TUBE SIZE	PACKAGE
	2439-1515CP	15MM	CONTRACTOR PACK
	2439-1515	15MM	SINGLE
	2939-2222CP	22MM	CONTRACTOR PACK

REDUCING VALVE			LE	AD FREE*
	MODEL	TUBE SIZE	TUBE SIZE	PACKAGE
	2439-0415CP	15MM	1/4" O.D.	CONTRACTOR PACK
	2439-0415CP	15MM	1/4" O.D.	SINGLE
(B.				

STACKABLE VALVE			LE	AD FREE*
	MODEL	STEM SIZE	TUBE SIZE	PACKAGE
	2443-0415CP	15MM	1/4" O.D.	CONTRACTOR PACK
The state of the s	2440-1515CP	15MM	15MM	CONTRACTOR PACK
- William				

TEE VALVE			LE	AD FREE*
	MODEL	TUBE SIZE	TUBE SIZE	PACKAGE
	2444-0415CP	15MM	1/4" O.D.	CONTRACTOR PACK
	2444-0415	15MM	1/4" O.D.	SINGLE
	3550-1508CP	15MM	3/8" CTS	CONTRACTOR PACK
	3550-1508	15MM	3/8" CTS	SINGLE

UNION CHECK VALV	/E		LEAD FREE*
	MODEL	TUBE SIZE	PACKAGE
	1140-15CP	15MM	CONTRACTOR PACK

MALE STEM CHE	CK VALVE	(BRASS)	LE/	AD FREE*
	MODEL	STEM SIZE	THREAD SIZE	PACKAGE
Hall Control of the C	1235-0815CP	15MM	1/2" NPT	CONTRACTOR PACK

STEM CHECK VALVE (BRASS)							
	PART NO.	STEM SIZE	PACKAGE				
B	LF1237-15CP	15MM	CONTRACTOR PACK				
Ta Co							

<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

# Sizes 15MM and 22MM

#### PIPE CLIP



MODEL	TUBE SIZE	PACKAGE
2370-1557CP	15MM	CONTRACTOR PACK
2370-1557	15MM	SINGLE
2370-2257CP	22MM	CONTRACTOR PACK
2370-2257	22MM	SINGLE

## **WASHING MACHINE HOSE KIT** MODEL TUBE SIZE THREAD SIZE PACKAGE UWM-100-48CP 3/4" FGHT CONTRACTOR PACK

### **COLLET CLIP**



MODEL	TUBE SIZE	PACKAGE
1147-15CP	15MM	CONTRACTOR PACK
1147-15	15MM	SINGLE
1147-22CP	22MM	CONTRACTOR PACK



MINI UNION TEE (for Poly Tubi	LEAD	FREE*	
	PART NO.	TUBE SIZE	PACKAGE
	1023-04	1/4" O.D.	SINGLE

## **ELECTRIC STEM VALVE (BRASS)**



MODEL	TUBE SIZE	VOLT	PACKAGE
12104-0415-12CP	15MM	12VDC	CONTRACTOR PACK
12104-0415-24CP	15MM	24VDC	CONTRACTOR PACK

VALVE IS PACKAGED WITH ONE 1/4" QUICK CONNECT FITTING

### **COLLET COVER**



MODEL	COLOR	TUBE SIZE	PACKAGE
2154-15CP	RED	15MM	CONTRACTOR PACK
2156-15CP	BLUE	15MM	CONTRACTOR PACK
2957-22CP	BLACK	22MM	CONTRACTOR PACK

# DECK SPRAYER & FITTINGS



MODEL	OUTLET STYLE	PACKAGE
41106CP	SPRAY HEAD	CONTRACTOR PACK
41107-0206CP	1/8" BARB ELBOW	CONTRACTOR PACK

(Thru Deck is packaged with one 1/4" Union Elbow as shown)

<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

# **Configuration Styles**

# **Metric Series AquaLock Manifold**

AquaLock Manifolds operate much like an electrical breaker box. The main water supply lines bring water into the manifold and individual distribution lines move water out to each fixture. All outlets have a built in valve which allows you the ability to stop the water flow to any single fixture without shutting down the entire water system.

The new AquaLock Manifold System utilizes an exclusive modular design. Manifold Sections can be purchased individually and simply snapped together to create the ideal configuration for each application. AquaLock also offers custom configured, pre-assembled manifolds.

### **FEATURES**

Performance ratings

100psi @ 180°F 6.8 bar @ 82°C 250psi @ 75°F 17.25 bar @ 24°C

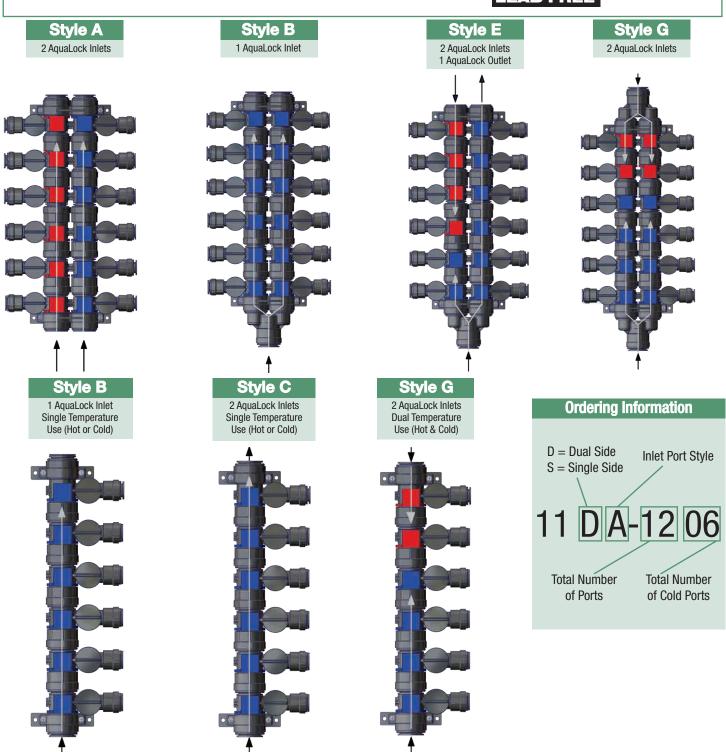
Complies with NSF and FDA standards

Available in custom configurations

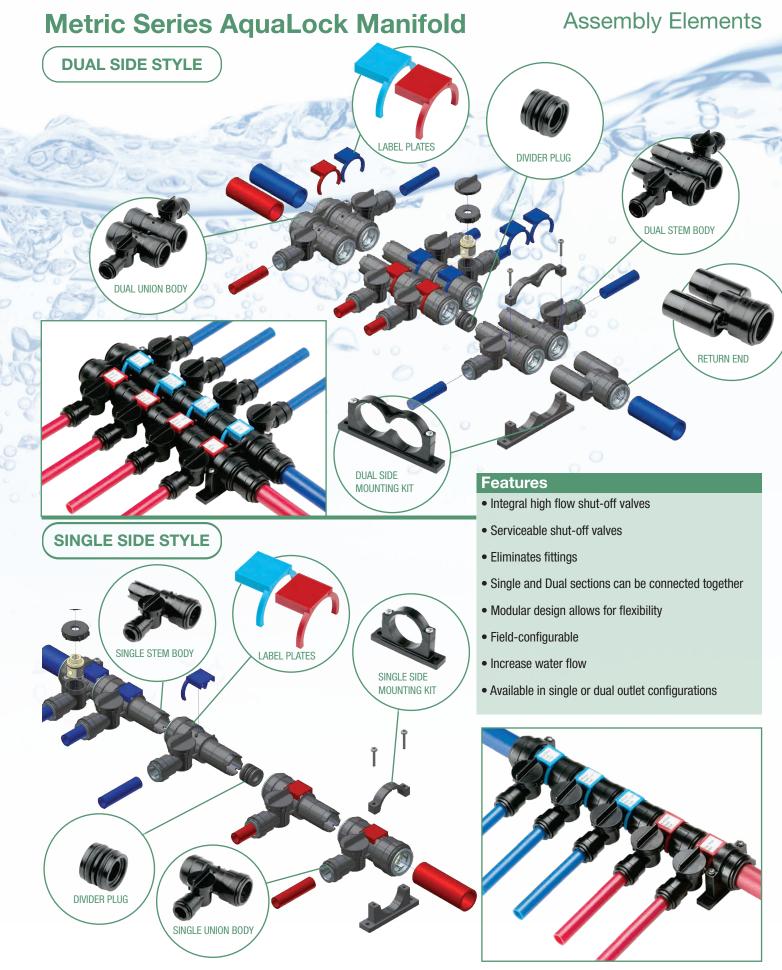
Includes mounting brackets and labels

All Inlets are 1" CTS (use a Reducing Stem to create

## **LEAD FREE\***



<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.



<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

# **Metric Series AquaLock Manifold**

DUAL UNION BODY			LEAD	FREE*
	MODEL	BODY SIZE	PORT SIZE	PACKAGE
	1183-1815	1" CTS	15MM	SINGLE
		1	8	
	0	3		

	6			
DUAL STEM BODY			LEAD	FREE*
	MODEL	BODY SIZE	PORT SIZE	PACKAGE
	1184-1815	1" CTS	15MM	SINGLE

SINGLE UNION BO	LEAD	FREE*		
	MODEL	BODY SIZE	PORT SIZE	PACKAGE
	1189-1815	1" CTS	15MM	SINGLE

SINGLE STEM BODY, RIGHT			LEAD	FREE*
	MODEL	BODY SIZE	PORT SIZE	PACKAGE
	1190-1815	1" CTS	15MM	SINGLE

SINGLE STEM BODY, LEFT			LEAD	FREE*
	MODEL	BODY SIZE	PORT SIZE	PACKAGE
	1191-1815	1" CTS	15MM	SINGLE

REDUCING STEM			LE	AD FREE*
	MODEL	STEM SIZE	TUBE SIZE	PACKAGE
-40	1114-1822CP	1" CTS	22MM	CONTRACTOR PACK
	1114-1815CP	1" CTS	15MM	CONTRACTOR PACK

END STOP		LE	AD FREE*
	MODEL.	TUBE SIZE	PACKAGE
	1145-18CP	1" CTS	CONTRACTOR PACK

END PLUG		LE	AD FREE*
	MODEL	STEM SIZE	PACKAGE
	1146-18	1" CTS	CONTRACTOR PACK











VALVE REPAIR KIT			EAD FREE*
	MODEL	SPOOL SIZE	PACKAGE
	1188-15CP	15MM	CONTRACTOR PACK
ti t			

MO	DEL	BODY SIZE	PACKAGE
351	1192-18CP	1"CTS	CONTRACTOR PACK

\*Note: For Ease of Disconnection

<sup>\*</sup>The wetted surface of this product contacted by consumable water contains less than 0.25% of lead by weight.

# **Supercoil System**



#### **SUPERCOIL**

High performance U.V. resistant wash-down hose is made from polyurethane tubing, plated brass crimps, and corrosion resistance plastic hose ends. The SuperCoil hose is available in Blue, White, 15ft, 25ft and is guaranteed not to kink or fail.





#### SPEED-TAP™

Washdown Fitting incorporates an automatic shut-off valve for ease of use and is flush mounted.

	<b>_</b>
MODEL	COLOR
ST301	WHITE HOUSING WITH HOSE ADAPTOR
ST300	WHITE HOUSING WITHOUT HOSE ADAPTOR
ST101	BLACK HOUSING WITH HOSE ADAPTOR
ST100	BLACK HOUSING WITHOUT HOSE ADAPTOR



## **SPEED-TAP HOSE ADAPTOR**

This unique adaptor threads onto any standard garden hose fitting to interconnect with the Speed-Tap.

MODEL	COLOR
MSP100	WITH AUTO SHUT-OFF
MSP101	NO AUTO SHUT-OFF



# Watts Family of Brands

Watts designs, manufactures, and sells an extensive line of flow control, water safety, water filtration & treatment, drainage, and PEX plumbing products.

The Watts family of companies provides a single source for solutions used to safely convey, conserve, and manage water.

Making Watts your single source for plumbing-related solutions will streamline your operations, save you money, and reduce the variety of repair parts needed for maintenance.





























