

Now includes our
LEAD FREE*
product offering

Quick- Connect



Quick-Connect Plumbing Products Catalog and Price List

Effective May 31, 2011

watts.com



Throughout this book you will see products highlighted with **LEAD FREE***. These are new or existing Watts products that comply with new Lead Free laws in California and Vermont. For more information on our entire line of Watts Lead Free* products, refer to our complete Lead Free price list, literature PL-WR-LeadFree, or visit our Lead Free informational web site at WeAreLeadFree.net.

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

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For the latest Watts pricing information in electronic format, visit our Data Exchange at:

www.wattswater.com/dataexchange

- Download product and list price data in .csv, .pdf, .tsv, .xls and .xml formats
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Sizing Matrix

Example: 3575-10 = Series 35, Type 75, 1/2" CTS

3/8 CTS = 08 OD	1/4 OD = 04	1/8 NPT/S = 02	3/8 Hose Barb = 06	CL 3/4 = 13	7/16 UNS = 01
1/2 CTS = 10 OD	3/8 OD = 06	1/4 NPT/S = 04	1/2 Hose Barb = 08	FG 3/4 = 14	
3/4 CTS = 14 OD	1/2 OD = 08	3/8 NPT/S = 06	3/4 Hose Barb = 12	MG 3/4 = 14	
1 CTS = 18 OD		1/2 NPT/S = 08		3/4 BSP = 12	
		3/4 NPT/S = 12			
		1 NPT/S = 16			

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. A 2% cash discount allowed on net amount of invoice if paid on or before the 10th of the following month. Invoices dated on or after the 25th will be considered as dated the first of the next month. Postmark on envelope will be considered date of check.

PURCHASE ORDER FORMS: 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.

LIMITED WARRANTY: A. Watts Regulator Co. ("Watts") warrants its WaterPEX® cross-linked polyethylene tubing, barbed PEX fittings, brass and plastic Quick-Connect fittings and manifolds, factory manufactured copper manifolds and Quick-Connect 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:

1. 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.
4. Series 10, 35, and 45/LF45 Quick-Connect 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 Quick-Connect 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 Quick-Connect materials according to all guidelines and manuals published by Watts.
 3. Install Watts WaterPEX® and Watts Quick-Connect 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.**

I. RETURNED GOODS – CREDIT: No material shall be returned without authorization. When credit is issued, it will be at the price originally invoiced, less handling charges, based on the costs of reconditioning, boxing, etc. 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 - Series 10

Material Specifications

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

Fitting Performance

Series 10	Max.	150psi @ 70°F	(10.3 bar @ 20°C)
	Max.	60psi @ 140°F	(4.1 bar @ 60°C)
	Min.	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 Series 10 fittings are produced from FDA approved materials.



ANSI/NSF-61: Watts Series 10 products are tested, certified, and approved for contact with drinking water.

Watts Quick-Connect 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.

Watts Quick-Connect Series 10 products are designed and manufactured to be trouble free for many years of service life. Series 10 products are designed and manufactured in polypropylene, a high performance thermal plastic material. All Series 10 products are approved and certified to NSF-61. Series 10 products are available in standard imperial inch sizes. The Watts Quick-Connect design allows for quick and easy connections without installation tools. Simply cut the plastic, copper, CPVC or polybutylene piping and snap a Watts Quick-Connect fitting in place for a zero leak connection.

Caution: The polypropylene material used in the Quick-Connect 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 or 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.

Material Specifications

Body:	Polysulfone
Collet:	Nylon
O-Ring:	EPDM
Spacer:	Acetal
Collet Cover:	Acetal
Tube Insert:	Polysulfone

Fitting Performance

35 Series	100psi @ 180°F	250psi @ 75°F
	6.8 bar @ 82°C	17.25 bar @ 24°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 Series 35 fittings are produced from FDA approved materials.



ANSI/NSF-61: Watts Series 35 products are tested, certified, and approved for contact with drinking water.



ANSI/NSF-14: Watts Series 35 products are tested, certified, and approved to NSF-14 standards.



CSA B137.5: Watts Series 35 products are tested, certified, and approved to Canadian standard CSA B137.5.



ASTM F877: Watts Series 35 products are tested, certified, and approved to ASTM F877 performance standards.



NSF-U.P.: Watts Series 35 products are tested, certified, and approved and meet the requirements of the Uniform Plumbing Code.



IAPMO ASSE 1061-2006: Watts Series 35 fittings are tested, certified and approved to ASSE 1061-2006 for Quick-Connect fittings.

Watts Quick-Connect 35 Series products are designed and manufactured to be trouble free for many years of service life. 35 Series products are designed and manufactured in polysulfone, a high performance thermal plastic material. All 35 Series products are approved and certified to NSF-61, NSF-14, CSA B137.5, ASTM F877, and to the Uniform Plumbing Code (U.P. Code) and ASSE 1061-2006. 35 Series products are available in standard imperial inch sizes. The Watts Quick-Connect design allows for quick and easy connections without installation tools. Simply cut the plastic, copper, CPVC or polybutylene piping and snap a Watts Quick-Connect fitting in place for a zero leak connection.

Caution: The polysulfone material used in the Quick-Connect 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.

Watts Quick-Connect 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.

Material Specifications

Body:	Brass UNS C36500 ASTM B283
LF45 Series Body:	Lead Free* Brass Alloy
Collet:	Nylon
O-Ring:	EPDM
Spacer:	Acetal
Collet Cover:	Acetal
Tube Insert:	Polysulfone

Fitting Performance

45/LF45 Series	250psi @ 75°F	(17.25 bar @ 24°C)
	80psi @ 240°F	(5.15 bar @ 115.5°C)

Approvals



ANSI/NSF-61: Watts Series 45/LF45 Quick-Connect fittings are tested, certified and approved for contact with drinking water.



ANSI/NSF-14: Watts Series 45/LF45 Quick-Connect fittings are tested, certified and approved to NSF-14 standards.



CSA B137.5: Watts Series 45/LF45 Quick-Connect fittings are tested, certified and approved to Canadian standard CSA B137.5.



ASTM F877: Watts Series 45/LF45 Quick-Connect fittings are tested, certified and approved to ASTM F877 performance standards.



IAPMO ASSE 1061-2006: Watts Series 45/LF45 Quick-Connect fittings are tested, certified and approved to ASSE 1061.

Watts Quick-Connect 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.

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

Watts Series 45/LF45 Quick-Connect fittings are designed and manufactured to be trouble free for many years of service. All Series 45/LF45 fittings incorporate a heavy duty brass body and the proven collet and O-ring design. All Series 45/LF45 fittings are tested, approved and certified to NSF-61, NSF-14, CSA B137.5, ASTM F877 and ASSE 1061. Series 45/LF45 fittings are available in standard imperial inch sizes. The unique design of Series 45/LF45 fittings allows for quick and easy connections without installation tools.

Caution: The polysulfone material used in the Quick-Connect 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.


All Series 45/LF45 Fittings come complete with a removable collet cover to prevent accidental release of the fitting prior to pressurization. To remove this cover, gently pry off, and push back onto the pipe.


Features

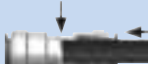
Making A Connection

1  Cut the pipe or tubing squarely using a sharp tubing cutter (plastic) or rotary copper pipe cutter (copper). Inspect the outside diameter of the pipe or tubing to be sure there is no damage, nicks, burrs, or debris. Deburr and clean pipe or tubing as necessary.

2  Measure the insertion depth on the pipe or tubing end. 35 Series fittings have an insertion line molded into the body of the fitting. For 45 Series fittings, use the Insertion Depth Guide provided with the fitting.

3  **Tube Stop** For PEX Pipe, gently insert a pipe stiffener (provided for each connection with fitting) into the pipe end.*

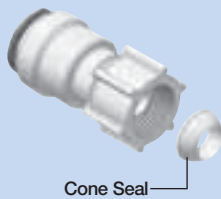
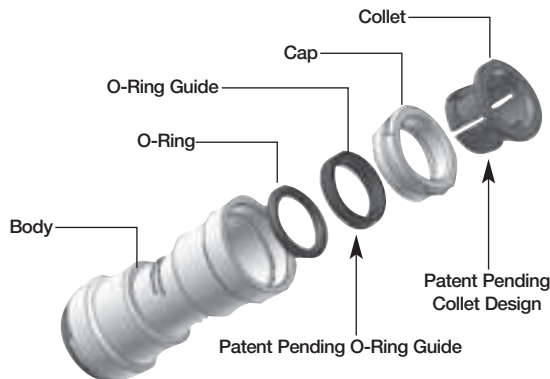
4  Make certain to push the tubing completely into the fitting until it comes into contact with the internal tube stop.

5  To disconnect, ensure system has been depressurized before removing fitting. Gently pry off collet cover and push back away from fitting, exposing the collet. Push the collet in squarely against the face of the fitting. With the collet held securely in this position, the tubing can be removed.

O-Ring Guide

All Watts Quick-Connect fittings 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 connectors' side load capacity
- Correctly aligning the tubing with the O-ring every time.
- Prevents the O-ring from becoming dislodged.

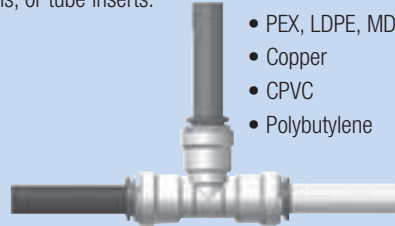


Watts Quick-Connect fittings utilize a swivel nut with NPS straight threads and a cone seal. This allows the installer to thread onto NPT, NPS, BSP, and most threads without tools or thread sealant. Simply thread on, hand tight, for a zero leak seal.

Connect to Multiple Materials

The Watts Quick-Connect fittings incorporates Stainless Steel Gripping Teeth in its Collet. These corrosion resistant teeth allow Quick-Connect fittings to interconnect with multiple materials without the need for special tools, or tube inserts.

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



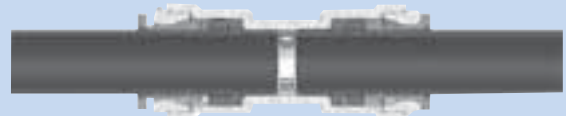
Rotates under pressure

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.



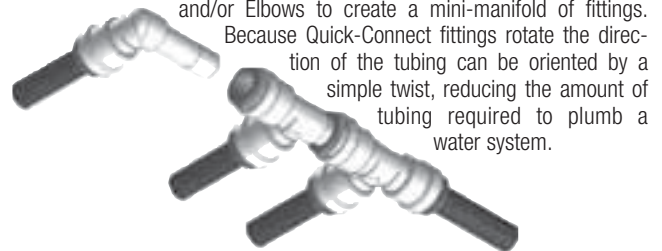
Highest Flow

Watts Quick-Connect fittings 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 Quick-Connect fittings offer complete flow, allowing for a more efficient system.



Create mini-manifolds

With Quick-Connect 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.



* To comply with ASSE 1061, a tube stiffener (provided) must be used on all PEX pipe connections Series 35 and 45 only.

Series 10 Tees



1023-04



1024R-060604

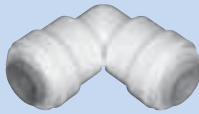
Type 23 Union Tee

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price	
LEAD FREE	1023B-04	0666115 098268426502	1/4" OD	10	20	200	.15	\$18.60
	1023B-06	0666116 098268426519	3/8" OD	10	10	100	.30	\$22.65
	1023B-08	0666117 098268426526	1/2" OD	10	6	60	.45	\$28.50

Type 24R Reducing Tee

LEAD FREE	1024RB-060604	0666118 098268426533	3/8" OD x 3/8" OD x 1/4" OD	10	10	100	.30	\$24.10
	1024RB-080806	0666119 098268426540	1/2" OD x 1/2" OD x 3/8" OD	10	5	50	.50	\$31.70

Series 10 Elbows



1017-04



1017RB-0604



1018-06



1019-0402

Type 17 Union Elbow

LEAD FREE	1017B-04	0666120 098268426557	1/4" OD	10	30	300	.10	\$14.70
	1017B-06	0666121 098268426564	3/8" OD	10	10	100	.20	\$22.45
	1017B-08	0666122 098268426571	1/2" OD	10	10	100	.30	\$36.50

Type 17R Reducing Union Elbow

LEAD FREE	1017RB-0604	0666146 098268426816	3/8" OD x 1/4" OD	10	20	200	.10	\$24.80
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Type 18 Stackable Elbow

LEAD FREE	1018B-04	0666142 098268426779	1/4" OD	10	25	250	.15	\$17.95
	1018B-06	0666143 098268426786	3/8" OD	10	10	100	.25	\$22.45
	1018B-08	0666144 098268426793	1/2" OD	10	8	80	.40	\$27.35

Type 19 Male Elbow

LEAD FREE	1019B-0402	0666135 098268426700	1/4" OD x 1/8" NPTF	10	30	300	.10	\$13.10
	1019B-0404	0666136 098268426717	1/4" OD x 1/4" NPTF	10	30	300	.05	\$14.90
	1019B-0406	0666137 098268426724	1/4" OD x 3/8" NPTF	10	20	200	.20	\$17.75
	1019B-0604	0666138 098268426731	3/8" OD x 1/4" NPTF	10	10	100	.15	\$19.75
	1019B-0606	0666139 098268426748	3/8" OD x 3/8" NPTF	10	20	200	.15	\$20.30
	1019B-0806	0666140 098268426755	1/2" OD x 3/8" NPTF	10	10	100	.25	\$25.70
	1019B-0808	0666141 098268426762	1/2" OD x 1/2" NPTF	10	10	100	.15	\$26.50

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

Series 10 Connectors

Type 15 Union Connector

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price	
LEAD FREE*	1015B-04	0666110 098268426458	1/4" OD	10	30	300	.10	\$12.90
	1015B-06	0666111 098268426465	3/8" OD	10	10	100	.20	\$17.40
	1015B-08	0666112 098268426472	1/2" OD	10	10	100	.30	\$20.50

Type 15R Reducing Union

LEAD FREE*	1015RB-0604	0666113 098268426489	3/8" OD x 1/4" OD	10	20	200	.15	\$17.75
	1015RB-0806	0666114 098268426496	1/2" OD x 3/8" OD	10	8	80	.35	\$24.20

Type 10 Female Connector

LEAD FREE*	1010B-0401	0666147 098268426823	1/4" OD x 7/16" UNS	10	20	200	.20	\$19.20
	1010B-0601	0666148 098268426830	3/8" OD x 7/16" UNS	10	20	200	.18	\$19.80
	1010B-0404	0666123 098268426588	1/4" OD x 1/4" NPTF	10	20	200	.15	\$29.70
	1010B-0604	0666124 098268426595	3/8" OD x 1/4" NPTF	10	20	200	.15	\$30.65

Type 01 Male Connector

LEAD FREE*	1001B-0402	0666125 098268426601	1/4" OD x 1/8" NPTM	10	30	300	.05	\$8.40
	1001B-0404	0666126 098268426618	1/4" OD x 1/4" NPTM	10	30	300	.10	\$9.55
	1001B-0406	0666127 098268426625	1/4" OD x 3/8" NPTM	10	30	300	.10	\$13.25
	1001B-0408	0666128 098268426632	1/4" OD x 1/2" NPTM	10	25	250	.15	\$16.90
	1001B-0602	0666129 098268426649	3/8" OD x 1/8" NPTM	10	25	250	.15	\$16.90
	1001B-0604	0666130 098268426656	3/8" OD x 1/4" NPTM	10	20	200	.15	\$14.45
	1001B-0606	0666131 098268426663	3/8" OD x 3/8" NPTM	10	20	200	.15	\$16.60
	1001B-0608	0666132 098268426670	3/8" OD x 1/2" NPTM	10	20	200	.15	\$25.80
	1001B-0806	0666133 098268426687	1/2" OD x 3/8" NPTM	10	15	150	.20	\$22.45
	1001B-0808	0666134 098268426694	1/2" OD x 1/2" NPTM	10	15	150	.15	\$24.20

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.



1015-06



1015R-0604



1010B-0604



1001B-0402

Series 10 Stems



1014R-0604



1027-0606

Type 14R Reducing Stem

	Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
LEAD FREE	1014RB-0604	0666145 098268426809	3/8" OD x 1/4" OD	10	30	300	.05	\$14.45

Type 27 Male Stem

LEAD FREE	1027B-0402	0666104 098268426397	1/4" OD x 1/8" NPTM	10	30	300	.10	\$11.75
LEAD FREE	1027B-0404	0666105 098268426403	1/4" OD x 1/4" NPTM	10	30	300	.10	\$10.85
LEAD FREE	1027B-0604	0666106 098268426410	3/8" OD x 1/4" NPTM	10	10	100	.20	\$12.10
LEAD FREE	1027B-0606	0666107 098268426427	3/8" OD x 3/8" NPTM	10	10	100	.20	\$11.95
LEAD FREE	1027B-0806	0666108 098268426434	1/2" OD x 3/8" NPTM	10	10	100	.20	\$13.50

Series 10 Stops



1045-04

Type 45 End Stop

LEAD FREE	1045B-04	0666109 098268426441	1/4" OD	10	50	500	.05	\$20.10
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Series 10 Valves



1039



1062



1053-0604

Type 39 Union Stop Valve

LEAD FREE	1039B-04	0666102 098268426373	1/4" OD	10	8	80	.45	\$42.20
LEAD FREE	1039B-06	0666103 098268426380	3/8" OD	10	6	60	.55	\$44.60

Type 62 Male Stop Valve

LEAD FREE	1062B-04	0666100 098268426359	1/4" OD x 1/4" NPTM	10	8	80	.45	\$42.20
LEAD FREE	1062B-06	0666101 098268426366	3/8" OD x 3/8" NPTM	10	6	60	.55	\$44.60

Type 53 Female Angle Valve

LEAD FREE	1053B-0404	0666149 098268426847	1/4" OD x 1/4" NPTF	10	8	80	.45	\$46.50
LEAD FREE	1053B-0604	0666150 098268427134	3/8" OD x 1/4" NPTF	10	6	60	.50	\$48.45

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

Series 35 and 45/LF45 Tees

Type 23 Union Tees

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE*	3523B-08	0650007 098268303315	3/8" x 3/8" x 3/8" CTS	1	24	120	0.08 \$5.05
	3523B-10	0650008 098268303322	1/2" x 1/2" x 1/2" CTS	1	24	120	0.13 \$5.45
	3523B-14	0650009 098268303339	3/4" x 3/4" x 3/4" CTS	1	8	40	0.22 \$9.15
	3523B-18	0651176 098268353174	1" x 1" x 1" CTS	1	8	40	0.22 \$11.50
4523B-10	0651147 098268340785	1/2" x 1/2" x 1/2" CTS	1	12	120	0.35 \$10.40	
4523B-14	0651148 098268340792	3/4" x 3/4" x 3/4" CTS	1	12	120	0.65 \$12.10	
4523B-18	0651149 098268340808	1" x 1" x 1" CTS	1	6	60	0.95 \$19.45	
LEAD FREE*	LF4523B-10	0652027 098268436822	1/2" x 1/2" x 1/2" CTS	1	12	120	0.44 \$13.20
	LF4523B-14	0652028 098268436839	3/4" x 3/4" x 3/4" CTS	1	12	120	0.68 \$15.35
	LF4523B-18	0652029 098268436846	1" x 1" x 1" CTS	1	6	60	0.94 \$24.70



3523



LF4523



Type 24R Reducing Tees

Package Type: Poly Bag

LEAD FREE*	3524RB-101004	0650033 098268303742	1/2" x 1/2" x 1/4" OD	1	24	120	0.10 \$12.10
	3524RB-141410	0650034 098268303759	3/4" x 3/4" x 1/2" CTS	1	8	40	0.15 \$8.25
	3524RB-181814	0651177 098268353181	1" x 1" x 3/4" CTS	1	8	40	0.20 \$9.75
	4524RB-141410	0651150 098268340815	3/4" x 3/4" x 1/2" CTS	1	12	120	0.70 \$11.65
4524RB-181814	0651151 098268340822	1" x 1" x 3/4" CTS	1	6	60	0.95 \$20.55	
4524RB-141014	0651152 098268340631	3/4" x 1/2" x 3/4" CTS	1	12	120	0.65 \$11.80	
4524RB-181418	0651153 098268340648	1" x 3/4" x 1" CTS	1	6	60	1.00 \$21.70	
LEAD FREE*	LF4524RB-141410	0652030 098268436853	3/4" x 3/4" x 1/2" CTS	1	12	120	0.64 \$14.80
	LF4524RB-181814	0652031 098268436860	1" x 1" x 3/4" CTS	1	6	60	0.98 \$26.10
	LF4524RB-141014	0652032 0982684368771	3/4" x 1/2" x 3/4" CTS	1	12	120	0.63 \$15.00
	LF4524RB-181418	0652033 098268436884	1" x 3/4" x 1" CTS	1	6	60	0.96 \$27.55



3524R

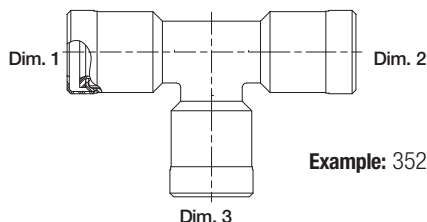


LF4524R



*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

Tee Sizing



Example: 3524RB-141410 = Dim.1 (3/4") Dim. 2 (3/4") Dim. 3 (1/2")

Series 35 and 45/LF45 Tees



3526



LF4526



3530



4531B



3533



3533R



3534

Type 26 Double Reducing Tees

Model EDP#/UPC# Size & Connection Ind. Bag Inner Ctn Mstr Ctn Unit Weight (lbs) List Price

Package Type: Poly Bag

Model	EDP#/UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
3526B-141010	0650949 098268320800	3/4" x 1/2" x 1/2" CTS	1	14	140	0.16	\$7.55
4526RB-141010	0651154 098268340655	3/4" x 1/2" x 1/2" CTS	1	12	120	0.65	\$10.95
4526RB-181414	0651155 098268340662	1" x 3/4" x 3/4" CTS	1	6	60	1.00	\$21.25
LF4526RB-141010	0652034 098268436891	3/4" x 1/2" x 1/2" CTS	1	12	120	0.74	\$13.90
LF4526RB-181414	0652035 098268436907	1" x 3/4" x 3/4" CTS	1	6	60	1.0	\$26.95

Type 30 Male Thread Tees

Package Type: Poly Bag

Model	EDP#/UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
3530B-1008	0650028 098268303698	1/2" x 1/2" x 1/2" NPT	1	24	120	0.05	\$4.40

Type 31 Female Iron Pipe Thread Tees

Package Type: Poly Bag

Model	EDP#/UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
4531B-141614	0651250 098268447873	3/4" x 3/4" x 1" FIP	1	12	120	0.71	\$26.40
4531B-181618	0651251 098268447880	1" x 1" x 1" FIP	1	6	60	0.94	\$34.85

Type 33 Stackable Tees

Package Type: Poly Bag

Model	EDP#/UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
3533B-08	0650018 098268303445	3/8" x 3/8" x 3/8" CTS	1	24	120	0.05	\$4.20
3533B-10	0650019 098268303452	1/2" x 1/2" x 1/2" CTS	1	16	80	0.05	\$4.60
3533B-14	0650020 098268303469	3/4" x 3/4" x 3/4" CTS	1	8	40	0.15	\$7.25
3533B-18	0651178 098268353013	1" x 1" x 1" CTS	1	8	40	0.20	\$9.00

Type 33R Reducing Stackable Tees

Package Type: Poly Bag

Model	EDP#/UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
3533RB-1004	0650026 098268303674	1/2" CTS x 1/4" CTS	1	16	80	0.11	\$10.20
3533RB-1410	0650702 098268309003	3/4" CTS x 1/2" CTS	1	8	40	0.19	\$9.05

Type 34 Stackable Branch Tees

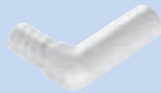
Package Type: Poly Bag

Model	EDP#/UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
3534B-10	0650024 098268303636	1/2" x 1/2" x 1/2" CTS	1	24	120	0.05	\$5.70

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

Series 35 and 45/LF45 Elbows

Type 12 Stackable Hose Barb Elbows



3512

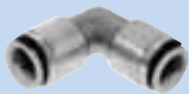
Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
3512B-1008	0650229 098268307214	1/2" CTS x 1/2" Barb	1	24	120	0.05	\$1.80

Type 17 Union Elbows



3517

Package Type: Poly Bag							
3517B-08	0650046 098268304633	3/8" CTS	1	24	120	0.05	\$5.20
3517B-10	0650047 098268304640	1/2" CTS	1	24	120	0.05	\$5.80
3517B-14	0650048 098268304657	3/4" CTS	1	16	80	0.10	\$9.25
3517B-18	0650951 098268320824	1" CTS	1	10	100	0.24	\$10.45
4517B-10	0651131 098268341089	1/2" CTS	1	12	120	0.30	\$7.50
4517B-14	0651132 098268341096	3/4" CTS	1	12	120	0.50	\$9.05
4517B-18	0651133 098268340976	1" CTS	1	6	60	0.80	\$16.10
LF4517B-10	0652011 098268436655	1/2" CTS	1	12	120	0.30	\$9.45
LF4517B-14	0652012 098268436662	3/4" CTS	1	12	120	0.50	\$11.50
LF4517B-18	0652013 098268436679	1" CTS	1	6	60	0.80	\$20.45



LF4517



Type 17R Reducing Union Elbow

Package Type: Poly Bag							
4517RB-1410	0651134 098268340983	3/4" x 1/2" CTS	1	12	120	0.45	\$9.00
4517RB-1814	0651135 098268340990	1" x 3/4" CTS	1	6	60	0.65	\$15.75
LF4517RB-1410	0652014 098268436686	3/4" x 1/2" CTS	1	12	120	0.43	\$11.40
LF4517RB-1814	0652015 098268436693	1" x 3/4" CTS	1	6	60	0.69	\$19.95



LF4517R



Type 18 Stackable Elbows

Package Type: Poly Bag							
3518B-08	0650058 098268304787	3/8" CTS x 3/8" OD	1	24	120	0.05	\$3.10
3518B-10	0650059 098268304800	1/2" CTS x 1/2" OD	1	24	120	0.05	\$3.55
3518B-14	0650060 098268304817	3/4" CTS x 3/4" OD	1	16	80	0.10	\$5.00
3518B-18	0651174 098268353150	1" CTS x 1" OD	1	16	80	0.15	\$6.45
4518B-10	0651136 098268341003	1/2" CTS x 1/2" OD	1	12	120	0.30	\$7.10
4518B-14	0651137 098268341010	3/4" CTS x 3/4" OD	1	12	120	0.55	\$10.25
4518B-18	0651138 098268341027	1" CTS x 1" OD	1	6	60	0.70	\$15.30
LF4518B-10	0652016 098268436709	1/2" CTS x 1/2" OD	1	12	120	0.29	\$9.00
LF4518B-14	0652017 098268436716	3/4" CTS x 3/4" OD	1	12	120	0.57	\$13.05
LF4518B-18	0652018 098268436723	1" CTS x 1" OD	1	6	60	0.72	\$19.40



3518



LF4518



*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

Series 35 and 45/LF45 Elbows

Type 21 Drop Ear Elbows

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE 3521B-1008	0650065 098268304879	1/2" CTS x 1/2" NPT	1	8	40	0.10	\$5.40
4521B-1008	0651145 098268340761	1/2" CTS x 1/2" FPT	1	6	60	0.35	\$6.55
4521B-1412	0651146 098268340778	3/4" CTS x 3/4" FPT	1	6	60	0.58	\$13.05
LEAD FREE LF4521B-1008	0652025 098268436808	1/2" CTS x 1/2" FPT	1	6	60	0.37	\$8.30

Type 19 Male Elbows

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE 3519B-1006	0650160 098268306248	1/2" CTS x 3/8" NPT	1	24	120	0.07	\$4.10
3519B-1008	0650161 098268306255	1/2" CTS x 1/2" NPT	1	24	120	0.07	\$3.75
3519B-1816	0651175 098268353167	1" CTS x 1" NPT	1	16	80	0.15	\$6.30

Type 20 Female Swivel Elbows

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE 3520B-0808	0650130 098268305920	3/8" CTS x 1/2" NPS	1	24	120	0.07	\$4.50
3520B-0813	0650131 098268305937	3/8" CTS x 3/4" Closet	1	24	120	0.05	\$6.85
3520B-1008	0650132 098268305944	1/2" CTS x 1/2" NPS	1	24	120	0.05	\$4.95
3520B-1012	0650133 098268305951	1/2" CTS x 3/4" NPS	1	24	120	0.12	\$6.15
3520B-1013	0650134 098268305975	1/2" CTS x 3/4" Closet	1	24	120	0.05	\$4.10
3520B-1014	0650135 098268305982	1/2" CTS x 3/4" FGHT	1	24	120	0.05	\$7.95

Type 22 Union Elbow 45°

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
4522B-10	0651139 098268341034	1/2" CTS 45°	1	12	120	0.25	\$7.40
4522B-14	0651140 098268340839	3/4" CTS 45°	1	12	120	0.40	\$10.40
4522B-18	0651141 098268340846	1" CTS 45°	1	6	60	0.60	\$15.45
LEAD FREE LF4522B-10	0652019 098268436730	1/2" CTS 45°	1	12	120	0.22	\$9.40
LF4522B-14	0652020 098268436754	3/4" CTS 45°	1	12	120	0.43	\$13.20
LF4522B-18	0652021 098268436761	1" CTS 45°	1	6	60	0.58	\$19.65

Type 22S Stackable Elbow 45°

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
4522SB-10	0651142 098268340853	1/2" CTS x 1/2" OD 45°	1	12	120	0.20	\$6.85
4522SB-14	0651143 098268340747	3/4" CTS x 3/4" OD 45°	1	12	120	0.45	\$9.30
4522SB-18	0651144 098268340754	1" CTS x 1" OD 45°	1	6	60	0.55	\$13.05

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.



3521



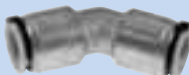
LF4521



3519



3520



LF4522



4522S

Series 35 and 45/LF45 Connectors

Type 01 Male Connectors

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE*	3501B-0806	0650952 098268320831	3/8" CTS x 3/8" MPT	1	15	150	0.04 \$2.60
	3501B-1006	0650953 098268320848	1/2" CTS x 3/8" MPT	1	15	150	0.02 \$3.25
	3501B-0808	0650174 098268306392	3/8" CTS x 1/2" MPT	1	24	120	0.10 \$3.15
	3501B-1008	0650175 098268306408	1/2" CTS x 1/2" MPT	1	24	120	0.05 \$3.40
	3501B-1012	0650176 098268306415	1/2" CTS x 3/4" MPT	1	24	120	0.05 \$3.90
	3501B-1014	0650177 098268306422	1/2" CTS x 3/4" MGHT	1	24	120	0.07 \$4.10
	3501B-1412	0650178 098268306439	3/4" CTS x 3/4" MPT	1	24	120	0.05 \$4.65
	3501B-1816	0650983 098268334890	1" CTS x 1" MPT	1	24	120	0.50 \$4.85
	4501B-1008	0651128 098268341058	1/2" CTS x 1/2" MPT	1	12	120	0.25 \$5.35
	4501B-1412	0651129 098268341065	3/4" CTS x 3/4" MPT	1	12	120	0.35 \$6.30
4501B-1812	0651190 098268357516	1" CTS x 3/4" MPT	1	6	60	0.30 \$9.10	
4501B-1816	0651130 098268341072	1" CTS x 1" MPT	1	6	60	0.50 \$11.95	
LEAD FREE*	LF4501B-1008	0652008 098268436624	1/2" CTS x 1/2" MPT	1	12	120	0.26 \$6.75
	LF4501B-14 12	0652009 098268436631	3/4" CTS x 3/4" MPT	1	12	120	0.34 \$7.95
	LF4501B-1816	0652010 098268436648	1" CTS x 1" MPT	1	6	60	0.49 \$15.15



3501



LF4501B



3510

Type 10 Female Connectors

Package Type: Poly Bag

LEAD FREE*	3510B-0808	0650103 098268305647	3/8" CTS x 1/2" NPS	1	24	120	0.05 \$4.10
	3510B-1008	0650104 098268305654	1/2" CTS x 1/2" NPS	1	24	120	0.09 \$3.95
	3510B-1012	0650105 098268305661	1/2" CTS x 3/4" NPS	1	24	120	0.10 \$6.15
	3510B-1013	0650106 098268305678	1/2" CTS x 3/4" Closet	1	24	120	0.05 \$4.10
	3510B-1014	0650107 098268305685	1/2" CTS x 3/4" FGHT	1	24	120	0.05 \$7.95
	3510B-1412	0650108 098268305692	3/4" CTS x 3/4" NPS	1	24	120	0.10 \$7.55
	3510B-1816	0651170 098268353112	1" CTS x 1" NPS	1	24	120	0.13 \$6.15
	4510B-1008	0651125 098268341157	1/2" CTS x 1/2" FPT	1	12	120	0.25 \$5.35
	4510B-1412	0651126 098268341164	3/4" CTS x 3/4" FPT	1	6	60	0.20 \$6.30
	4510B-1812	0651191 098268357523	1" CTS x 3/4" FPT	1	6	60	0.30 \$9.10
4510B-1816	0651127 098268341041	1" CTS x 1" FPT	1	6	60	0.53 \$11.95	
LEAD FREE*	LF4510B-1008	0652005 098268436594	1/2" CTS x 1/2" FPT	1	12	120	0.26 \$6.75
	LF4510B-1412	0652006 098268436600	3/4" CTS x 3/4" FPT	1	6	60	0.38 \$7.95
	LF4510B-1816	0652007 098268436617	1" CTS x 1" FPT	1	6	60	0.53 \$15.15



LF4510



Series 35 and 45/LF45 Connectors - cont.

Type 11 Stackable Hose Barb Unions

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE 3511B-1008	0650227	1/2" CTS x 1/2" Barb	1	24	120	0.04	\$1.70
	098268307191						

Type 13 Hose Barb Fittings

Package Type: Poly Bag

LEAD FREE 3513B-1008	0650222	1/2" CTS x 1/2" Barb	1	24	120	0.05	\$2.80
	098268307139						
3513B-1412	0650954	3/4" CTS x 3/4" Barb	1	28	280	0.05	\$5.55
	098268320855						
3513B-1816	0651171	1" CTS x 1" Barb	1	24	120	0.10	\$5.30
	098268353129						

Type 14 Reducing Stems

Package Type: Poly Bag

LEAD FREE 3514B-1008	0650151	1/2" CTS x 3/8" CTS	1	24	120	0.10	\$2.60
	098268306156						
3514B-1410	0650152	3/4" CTS x 1/2" CTS	1	24	120	0.05	\$3.35
	098268306163						
3514B-1810	0650768	1" CTS x 1/2" CTS	1	24	120	0.07	\$5.70
	098268309867						
3514B-1814	0650767	1" CTS x 3/4" CTS	1	24	120	0.10	\$6.30
	098268309850						

Type 15 Union Connectors

Package Type: Poly Bag

LEAD FREE 3515B-08	0650073	3/8" CTS	1	24	120	0.05	\$4.05
	098268304992						
3515B-10	0650074	1/2" CTS	1	24	120	0.05	\$4.65
	098268305005						
3515B-14	0650075	3/4" CTS	1	24	120	0.15	\$6.10
	098268305012						
3515B-18	0650950	1" CTS	1	10	100	0.08	\$10.25
	098268320817						
4515B-10	0651120	1/2" CTS	1	12	120	0.29	\$7.30
	098268341102						
4515B-14	0651121	3/4" CTS	1	12	120	0.48	\$8.15
	098268341119						
4515B-18	0651122	1" CTS	1	6	60	0.61	\$15.60
	098268341126						
LEAD FREE LF4515B-10	0652000	1/2" CTS	1	12	120	0.21	\$9.25
	098268436549						
LF4515B-14	0652001	3/4" CTS	1	12	120	0.33	\$10.35
	098268436556						
LF4515B-18	0652002	1" CTS	1	6	60	0.42	\$19.80
	098268436563						



3513



3514



3515



LF4515



*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

Series 35 and 45/LF45 Connectors - cont.

Type 15R Reducing Union Connectors

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
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Package Type: Poly Bag

LEAD FREE	3515RB-1004	0650084 098268305104	1/2" CTS x 1/4" OD	1	24	120	0.08	\$9.25
	3515RB-1008	0650085 098268305111	1/2" CTS x 3/8" CTS	1	24	120	0.07	\$4.45
	3515RB-1410	0650725 098268309355	3/4" CTS x 1/2" CTS	1	24	120	0.13	\$5.55
	3515RB-1814	0651173 098268353143	1" CTS x 3/4" CTS	1	24	120	0.14	\$6.05
	4515RB-1410	0651123 098268341133	3/4" CTS x 1/2" CTS	1	12	120	0.37	\$7.80
	4515RB-1814	0651124 098268341140	1" CTS x 3/4" CTS	1	6	60	0.62	\$19.15
LEAD FREE	LF4515RB-1410	0652003 098268436570	3/4" CTS x 1/2" CTS	1	12	120	0.27	\$9.95
	LF4515RB-1814	0652004 098268436587	1" CTS x 3/4" CTS	1	6	60	0.38	\$24.30



3515R



LF4515R



Type 16 Slip Coupling

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
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Package Type: Poly Bag

	4516B-10	0651195 098268424836	1/2" CTS	1	10	120	0.35	\$11.60
	4516B-14	0651196 098268424843	3/4" CTS	1	10	120	0.47	\$14.30
	4516B-18	0651197 098268424850	1" CTS	1	6	60	0.65	\$20.40



4516



3527-1008



3528-1008

Type 27 Male Stem

Package Type: Poly Bag

LEAD FREE	3527B-1008	0650791 098268424621	1/2" CTS x 1/2" NPT	1	24	120	0.08	\$1.30
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Type 28 Female Stem

Package Type: Poly Bag

LEAD FREE	3528B-1008	0650792 098268424638	1/2" CTS x 1/2" NPS	1	10	100	0.08	\$1.75
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Series 35 and 45/LF45 Ends

Type 45 End Stops

Package Type: Poly Bag

LEAD FREE	3545B-08	0650235 098268307351	3/8" CTS	1	24	120	0.04	\$2.80
	3545B-10	0650236 098268307368	1/2" CTS	1	24	120	0.07	\$2.80
	3545B-14	0650709 098268309089	3/4" CTS	1	24	120	0.05	\$4.05
	3545B-18	0650771 098268309898	1" CTS	1	24	120	0.05	\$6.35



3545

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

Series 35 and 45/LF45 Ends - cont.



LF4545



Type 45 End Stops

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
4545B-10	0651156 098268340679	1/2" CTS	1	12	120	0.18	\$6.10
4545B-14	0651157 098268340686	3/4" CTS	1	6	60	0.20	\$7.65
4545B-18	0651158 098268340693	1" CTS	1	6	60	0.25	\$15.60
LF4545B-10	0652036 098268436914	1/2" CTS	1	12	120	0.12	\$7.75
LF4545B-14	0652037 098268436921	3/4" CTS	1	6	60	0.19	\$9.70
LF4545B-18	0652038 098268436938	1" CTS	1	6	60	0.25	\$19.80

LEAD FREE*

Series 35 Pump Fittings



3575



3576

Type 75 Union Pump Fittings

Package Type: Poly Bag

3575B-10	0650190 098268306552	1/2" CTS	1	24	120	0.05	\$3.70
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LEAD FREE*

Type 76 Elbow Pump Fittings

Package Type: Poly Bag

3576B-10	0650194 098268306590	1/2" CTS	1	24	120	0.05	\$3.85
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LEAD FREE*

Series 35 Valves



3538



3539



3539R



3540



3541

Type 38 3-Way Selector Valve

Package Type: Poly Bag

3538B-10	0650262 098268308082	1/2" CTS	1	8	40	0.30	\$20.80
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LEAD FREE*

Type 39 Stop Valves

Package Type: Poly Bag

3539B-08	0650245 098268307580	3/8" CTS	1	24	120	0.05	\$8.05
3539B-10	0650246 098268307597	1/2" CTS	1	16	80	0.10	\$8.60
3539B-14	0650789 098268310177	3/4" CTS	1	16	80	0.90	\$11.10

LEAD FREE*

Type 39R Reducing Stop Valve

Package Type: Poly Bag

3539RB-1004	0650251 098268307924	1/2" CTS x 1/4" OD	1	16	80	0.10	\$14.85
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LEAD FREE*

Type 40 Union Check Valve

Package Type: Poly Bag

3540B-10	0650271 098268308174	1/2" CTS	1	24	120	0.05	\$4.85
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LEAD FREE*

Type 41 3-Way Bypass Valve

Package Type: Poly Bag

3541B-10	0650264 098268308105	1/2" CTS	1	8	40	0.15	\$21.10
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LEAD FREE*

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

Series 35 Valves - cont.



3543

Type 43 Stackable Valve

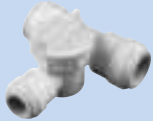
Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE 3543B-10	0650255 098268307962	1/2" CTS	1	16	80	0.10	\$6.65



3543R

Type 43R Reducing Stackable Valve

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE 3543RB-1004	0650259 098268308051	1/2" CTS x 1/4" OD	1	16	80	0.16	\$11.40



3550

Type 50 Tee Valves

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE 3550B-1008	0650712 098268309164	1/2" CTS x 3/8" CTS	1	12	60	0.18	\$15.25
LEAD FREE 3550B-1004	0651188 098268357905	1/2" CTS x 1/4" OD	1	12	60	0.10	\$13.25



3551

Type 51 Threaded Tee Valve

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE 3551B-0808	0650955 098268320862	1/2" NPS x 1/2" NPT x 3/8" CTS	1	15	150	0.05	\$9.40



3552

Type 52 Female In-Line Valves

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE 3552B-0806	0651204 098268433555	1/2" NPS x 1/4" CTS	1	16	80	0.08	\$5.55
LEAD FREE 3552B-0808	0651205 098268433562	1/2" NPS x 3/8" CTS	1	16	80	0.08	\$5.90



3553

Type 53 Female Angle Valves

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE 3553B-0608	0651206 098268433579	1/2" NPS x 1/4" CTS	1	16	80	0.08	\$6.25
LEAD FREE 3553B-0808	0651207 098268433586	1/2" NPS x 3/8" CTS	1	16	80	0.08	\$6.55



3554

Type 54 Female Angle Valve

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE 3554B-1408	0651208 098268433593	1/2" NPS x 3/4" MGHT	1	16	80	0.11	\$7.85



3555

Type 55 In-Line Valves

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE 3555B-1006	0651200 098268433517	1/2" CTS x 1/4" CTS	1	16	80	0.08	\$7.30
LEAD FREE 3555B-1008	0651201 098268433524	1/2" CTS x 3/8" CTS	1	16	80	0.08	\$6.80



3556

Type 56 Angle Valves

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE 3556B-1006	0651202 098268433531	1/2" CTS x 1/4" CTS	1	16	80	0.08	\$7.10
LEAD FREE 3556B-1008	0651203 098268433548	1/2" CTS x 3/8" CTS	1	16	80	0.08	\$6.75

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

Series 35 Valves - cont.



3557



3558



3559



3561

Type 57 Male Angle Valve

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
3557B-1408	0651209 098268433609	1/2" NPT x 3/8" MGHT	1	16	80	0.10	\$7.50

Type 58 Angle Valve

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
3558B-1014	0651210 098268433616	1/2" CTS x 3/4" MGHT	1	16	80	0.08	\$6.10

Type 59 Panel Mount Valves

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
3559B-08	0650956 098268320879	3/8" CTS	1	15	150	0.16	\$9.30
3559B-10	0650957 098268320886	1/2" CTS	1	15	150	0.19	\$9.30

Type 61 Adapter Stop Valves

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
3561B-0604	0651211 098268433623	1/4" OD x 3/8" Male Comp x 3/8" Female Comp	1	8	40	0.16	\$8.15
3561B-0606	0651212 098268433630	3/8" OD x 3/8" Male Comp x 3/8" Female Comp	1	8	40	0.16	\$8.25

Series 35 Miscellaneous



3547

Type 47 Collet Clips

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
3547B-08	0650291 098268308556	3/8" CTS	3	24	120	0.03	\$1.15
3547B-10	0650292 098268308631	1/2" CTS	3	24	120	0.03	\$1.10
3547B-14	0650293 098268308648	3/4" CTS	3	24	120	0.05	\$1.15
3547B-18	0650772 098268309904	1" CTS	3	24	120	0.03	\$1.15

Type 159 O-Ring Assembly

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
159B-08	0650963 098268321159	3/8" CTS	1	24	120	0.01	\$0.90
159B-10	0650718 098268309270	1/2" CTS	1	24	120	0.01	\$1.00
159B-14	0650719 098268309287	3/4" CTS	1	24	120	0.14	\$1.20
159B-18	0651172 098268353136	1" CTS	1	24	120	0.31	\$2.05



159

Type 161 Cone Seals

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
161B-08	0650723 098268309331	1/2" NPS	1	24	120	0.03	\$0.90
161B-12	0650724 098268309348	3/4" NPS/FGHT	1	24	120	0.008	\$1.30



161

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

Series 35 Miscellaneous - cont.



Type 162 Pipe Inserts

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE*	162-08	0651214 098268433654	3/8" CTS	1	24	120	0.008 \$0.15
	162-10	0651160 098268340716	1/2" CTS	1	24	120	0.008 \$0.85
	162-14	0651161 098268340723	3/4" CTS	1	24	120	0.008 \$0.90
	162-18	0651162 098268340730	1" CTS	1	24	120	0.008 \$0.95



Type 163 Collet Covers

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
163-08	0651213 098268433647	3/8" CTS	1	24	120	0.008 \$0.20	
163-10	0651164 098268342475	1/2" CTS	1	24	120	0.008 \$0.85	
163-14	0651165 098268342482	3/4" CTS	1	24	120	0.007 \$0.85	
163-18	0651166 098268342499	1" CTS	1	24	120	0.008 \$0.85	

Series 35 Manifolds - Single



Type 89 Manifolds - Single Union Body

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE*	3589B-1810	0650764 098268309829	1" CTS x 1/2" CTS	1	6	60	0.20 \$18.75



Type 90 Manifolds - Single Stem Body - Right

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE*	3590B-1810	0650765 098268309836	1" CTS x 1/2" CTS	1	5	50	0.31 \$15.85



Type 91 Manifolds - Single Stem Body - Left

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE*	3591B-1810	0650766 098268309843	1" CTS x 1/2" CTS	1	5	50	0.15 \$15.85



Type 81 - Manifold Single Side Mounting Kits

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
	3581B-18	0650769 098268309874	For 35 Series	1	24	120	0.12 \$7.85

Series 35 Manifolds - Dual



Type 83 Manifolds - Dual Union Body

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE*	3583B-1810	0650757 098268309751	1" CTS x 1/2" CTS	1	3	30	0.40 \$32.80

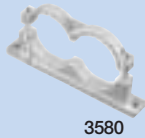


Type 84 Manifolds - Dual Stem Body

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
LEAD FREE*	3584B-1810	0650758 098268309768	1" CTS x 1/2" CTS	1	2	20	0.66 \$27.90

*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

Series 35 Manifolds - Dual - cont.



3580

Type 80 Manifold Dual Side Mounting Kits

Model	EDP#/ UPC#	Size & Connection	Ind. Bag	Inner Ctn	Mstr Ctn	Unit Weight (lbs)	List Price
Package Type: Poly Bag							
3580B-18	0650770 098268309881	For 35 Series	1	24	120	0.05	\$8.35

Series 35 Manifold Accessories



3582

Type 82 Manifold Divider Plugs

Package Type: Poly Bag

LEAD FREE	3582B-18	0650759 098268309775	For 35 Series	1	24	120	0.04	\$3.40
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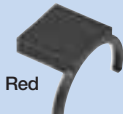


3585

Type 85 Manifold Return Ends

Package Type: Poly Bag

LEAD FREE	3585B-18	0650760 098268309782	1" CTS	1	12	120	0.90	\$11.80
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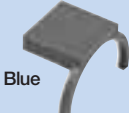


3586

Type 86 Manifold Label Plates

Package Type: Poly Bag

3586B-18	0650761 098268309799	Red - For 35 and Metric	1	24	120	0.03	\$1.10
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3587

Type 87 Manifold Label Plates

Package Type: Poly Bag

3587B-18	0650762 098268309805	Blue - For 35 and Metric	1	24	120	0.05	\$1.10
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3588

Type 88 Manifold Valve Repair Kits

Package Type: Poly Bag

LEAD FREE	3588B-10	0650763 098268309812	1/2" Spool	1	24	120	0.07	\$3.75
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3580-MT

Type 80-MT Manifold Tool

Package Type: Poly Bag

3580-MT	0650975 098268326703	Easy Removal of Outlets	1	-	10	0.21	\$5.80
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3514

Type 14 Reducing Stems

Package Type: Poly Bag

LEAD FREE	3514B-1810	0650768 098268309867	1" CTS x 1/2" CTS	1	24	120	0.07	\$5.70
	3514B-1814	0650767 098268309850	1" CTS x 3/4" CTS	1	24	120	0.10	\$6.30



3546

Type 46 End Plugs

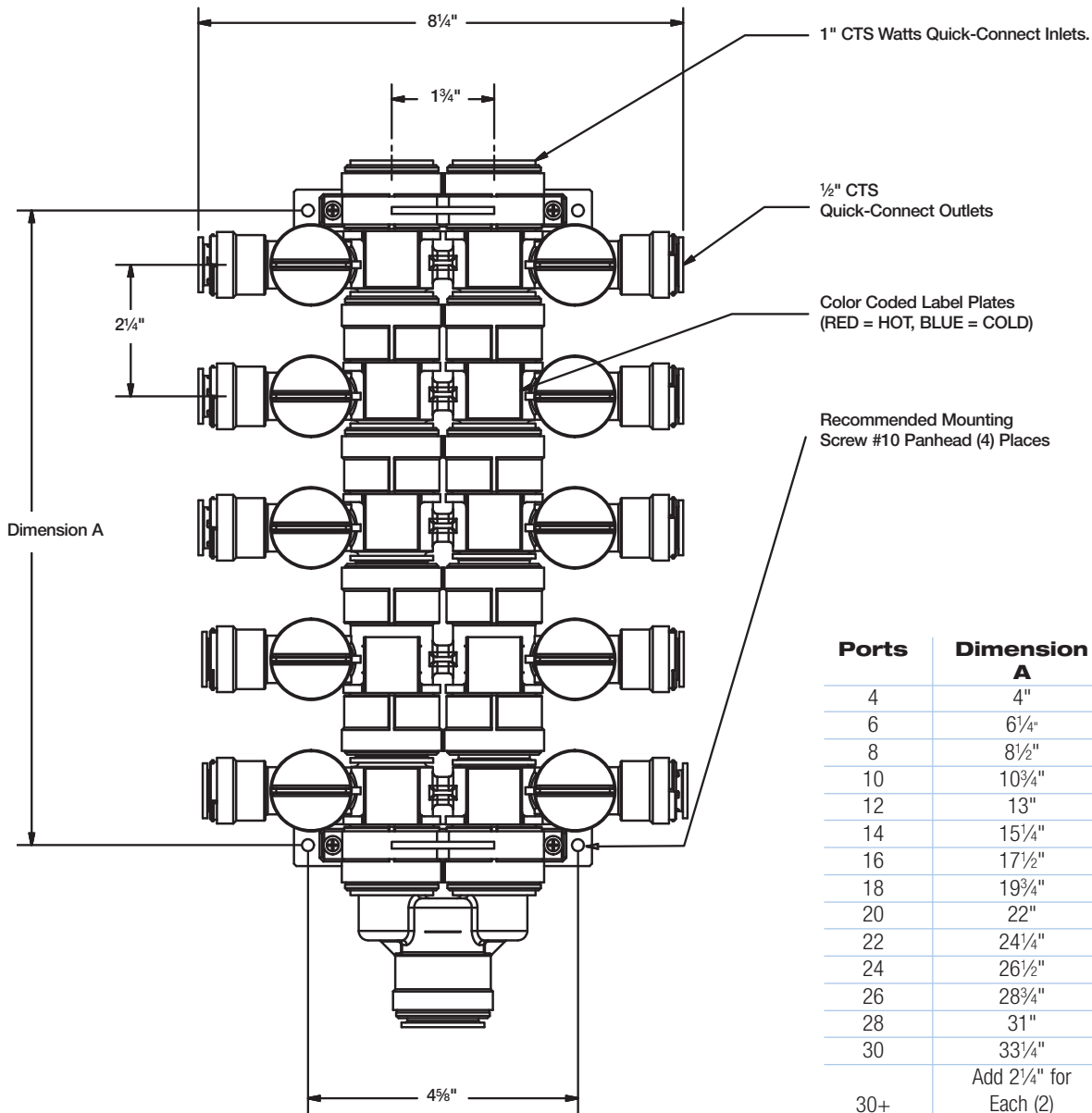
Package Type: Poly Bag

LEAD FREE	3546B-18	0650773 098268310009	1" CTS	1	24	120	0.08	\$4.15
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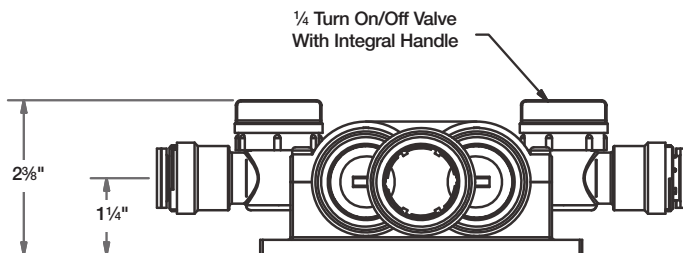
*The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.

Installation Dimensions

35 Series Quick-Connect Manifold

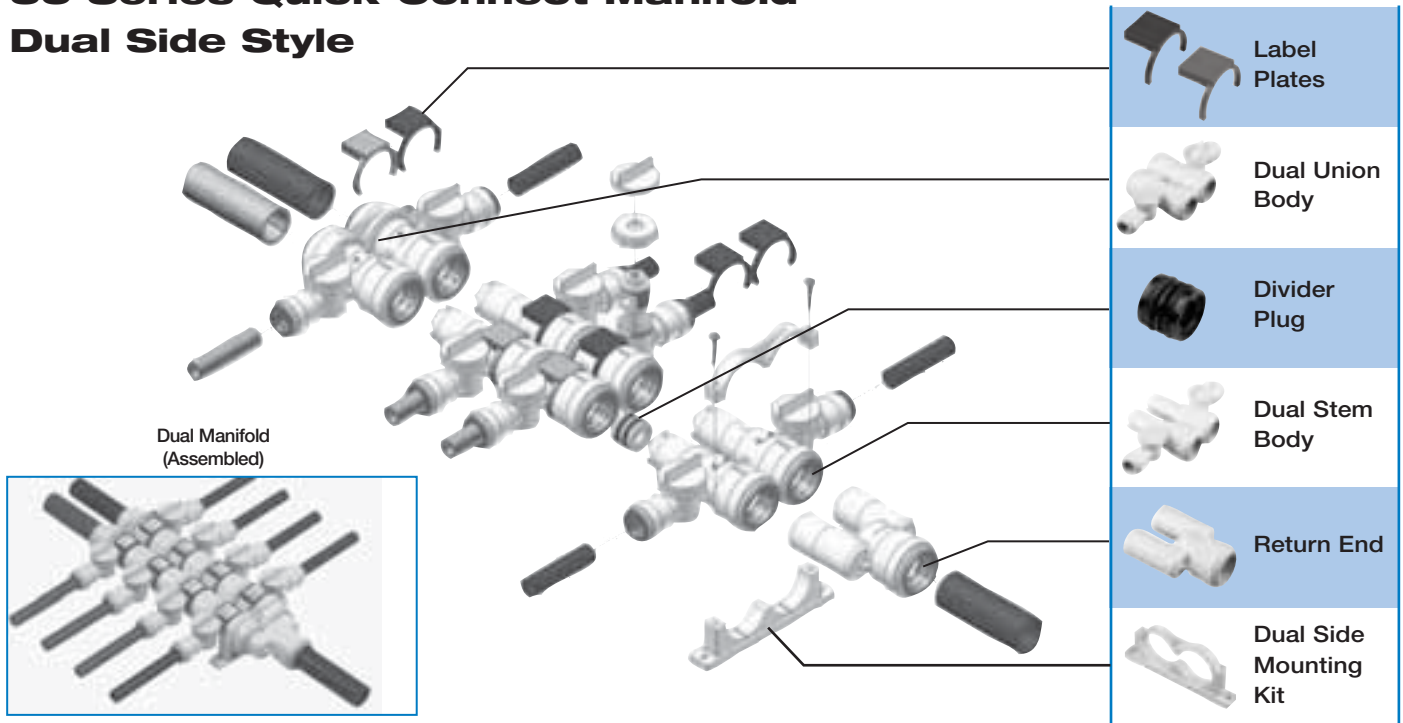


Ports	Dimension A
4	4"
6	6 1/4"
8	8 1/2"
10	10 3/4"
12	13"
14	15 1/4"
16	17 1/2"
18	19 3/4"
20	22"
22	24 1/4"
24	26 1/2"
26	28 3/4"
28	31"
30	33 1/4"
30+	Add 2 1/4" for Each (2) Additional Port



Assembly Elements

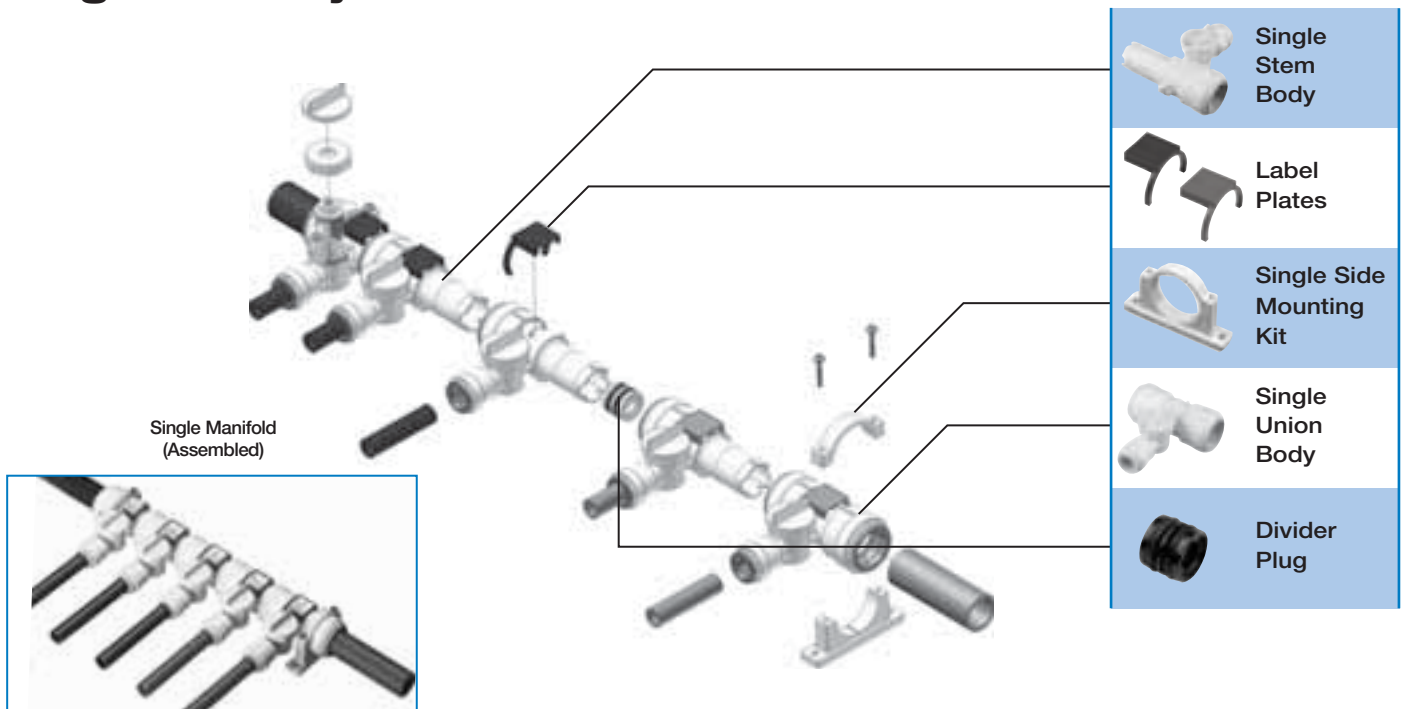
35 Series Quick-Connect Manifold Dual Side Style



Features

- Integral High-Flow Shutoff Valves
- Eliminates Fittings
- Modular design allows for flexibility
- Increase water flow
- Serviceable Shutoff Valves
- Single and Dual Sections can be connected together
- Field Configurable
- Available in single or dual outlet configurations

Single Side Style



Configuration Styles

35 Series Quick-Connect Manifold

Watts 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 Watts 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.

Features



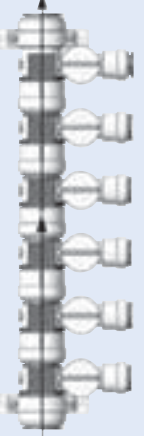
Performance ratings

100psi@180°F 6.8 bar @ 82°C

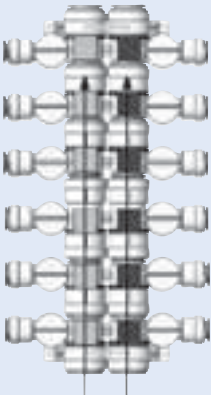
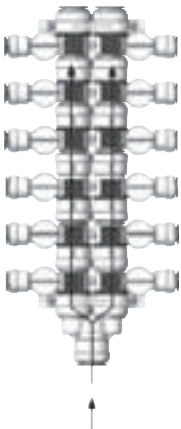
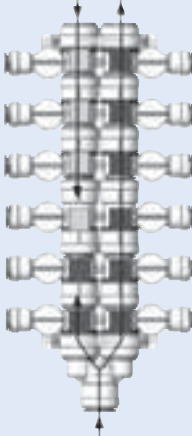
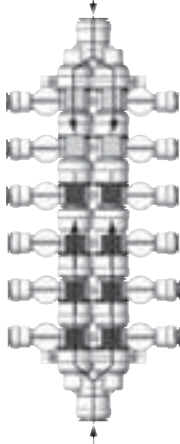
250psi@75°F 17.25 bar @ 24°C

- Complies with NSF and FDA standards
- All Inlets are 1" CTS, use a Reducing Stem to create other inlet sizes

Single Examples

1 Quick-Connect Inlet Single Temperature Use (Hot or Cold)	2 Quick-Connect Inlets Single Temperature Use (Hot or Cold)	2 Quick-Connect Inlets Dual Temperature Use (Hot & Cold)
		

Dual Examples

2 Quick-Connect Inlets	1 Quick-Connect Inlet	2 Quick-Connect Inlets 1 Quick-Connect Outlet	2 Quick-Connect Inlets
			

Manifold Labels

Manifold label sheets (like the sample shown below) for use with Watts Type 87 Manifold Label Plates, are available upon request. Please e-mail your request to: wattslit@watts.com.

Water Heater _____	Water Heater _____	Wash Machine _____	Wash Machine _____	Laundry _____	Laundry _____
Ice Maker _____	Ice Maker _____	Kitchen Sink _____	Kitchen Sink _____	Kitchen Sink _____	Kitchen Sink _____
Lav Master _____	Lav Master _____	Lav _____	Lav _____	Lav _____	Lav _____
Lav _____	Lav _____	Bidet _____	Bidet _____	Bar Sink _____	Bar Sink _____
Shower Master _____	Shower Master _____	Shower _____	Shower _____	Shower _____	Shower _____
Tub/ Shower Master _____	Tub/ Shower Master _____	Tub/ Shower _____	Tub/ Shower _____	Bath Master _____	Bath Master _____
Bath _____	Bath _____	Bath _____	Bath _____	Toilet Master _____	Toilet _____
Toilet _____	Toilet _____	Hose Bibb _____	Hose Bibb _____	Hose Bibb _____	Hose Bibb _____

For Technical Assistance Call Your Authorized Watts Representatives.

			TELEPHONE #	Fax #
	HEADQUARTERS: Watts Regulator Company	815 Chestnut St., North Andover, MA 01845-6098 U.S.A.	978 688-1811	watts@wattswater.com
North East	Vernon Bitzer Associates, Inc.	980 Thomas Drive, Warminster, PA 18974	215 443-7500	P009@watts.com
	Thermco.	228 Scoles Ave., Clifton, NJ 07012	973 777-6700	phil@thermcoreps.com
	W. P. Haney Co., Inc.	51 Norfolk Ave., South Easton, MA 02375	508 238-2030	p088@watts.com
Mid Atlantic	Disney McLane & Associates	428 McGregor Ave., Cincinnati, OH 45206	800 542-1682	p017@watts.com
	J. B. O'Connor Company, Inc.	202 Commerce Blvd., Lawrence, PA 15055	724 745-5300	p047@watts.com
	The Joyce Agency, Inc.	8442 Alban Rd., Springfield, VA 22150	703 866-3111	p069@watts.com
	WMS Sales, Inc. (Main office)	9580 County Rd., Clarence Center, NY 14032	716 741-9575	p091@watts.com
South East	Billingsley & Associates, Inc.	2728 Crestview Ave., Kenner, LA 70062-4829	504 602-8100	p013@watts.com
	Francisco J. Ortiz & Co., Inc.	Charlyn Industrial Pk Road, 190 KM1.9 - Lot #8, Carolina, Puerto Rico 00983	787 769-0085	p029@watts.com
	GTS Sales	12428 Angel Oak Drive, Huntersville, NC 28078	704 274-5626	sales@gtssales.biz
	Mid-America Marketing, Inc.	203 Industrial Drive, Birmingham, AL 35211	205 879-3469	p032@watts.com
	Mid-America Marketing, Inc.	5466 Old Hwy. 78, Memphis, TN 38118	901 795-0045	sales@midamericamktg.com
	Mid-America Marketing, Inc.	2611 Grandview Avenue, Nashville, TN 37211	615 259-9944	john@midamericamktg.com
Harry Warren, Inc.	1400 North Orange Blossom Trail, Orlando, FL 32804	407 841-9237	p071@watts.com	
Watts Georgia	2861-B Bankers Industrial Drive, Atlanta, GA 30360	770 209-3310	p059@watts.com	
North Central	Dave Watson Associates	1325 West Beecher, Adrian, MI 49221	517 263-8988	p085@watts.com
	Mid-Continent Marketing Services Ltd.	1275 Lakeside Drive, Romeoville, IL 60446	630 953-1211	p072@watts.com
	Solderholm & Associates	7150 143rd Ave. NW, Anoka, MN 55303	763 427-9635	company@soderholmrep.com
South Central	Hugh M. Cunningham, Inc.	13755 Benchmark, Dallas, TX 75234	972 888-3808	p031@watts.com
	The Socha Company, Inc.	3108 Alamogordo Drive NW, Albuquerque, NM 87120	505-839-0103	gary@sochacompany.com
	Mack McClain & Associates, Inc.	4407 Meramec Bottom, Suite G, St. Louis, MO 63129	314 894-8188	p045@watts.com
	Mack McClain & Associates, Inc.	1450 NE 69th Place, Ste. 56 Ankeny, IA 50021	515 288-0184	p049@watts.com
	Mack McClain & Associates, Inc.	15090 West 116th St., Olathe, KS 66062	913 339-6677	p083@watts.com
Mack McClain & Associates, Inc.	16628 Ames Avenue, Omaha, NE 68116	515 288-0184	p049@watts.com	
Western	Columbia Hydronics	552 W. 58th Ave., Unit A, Anchorage, AK 99518	907 563-3327	tepperson@columbiahydronics.com
	Delco Sales, Inc.	1930 Raymer Ave., Fullerton, CA 92833	714 888-2444	sales@delcosales.com
	Delco Sales, Inc.	111 Sand Island Access Rd., Unit I-4, Honolulu, HI 96819	808 842-7900	p021@watts.com
	Fanning & Assoc., Inc.	6765 Franklin St., Denver, CO 80229	303 289-4191	sales@fanningandassociates.com
	P I R Sales, Inc.	3050 North San Marcos Place, Chandler, AZ 85225	480 892-6000	sales@pirsales.com
	R. E. Fitzpatrick Sales, Inc.	4109 West Nike Dr. (8250 South), West Jordan, UT 84088	801 282-0700	p007@watts.com
	REPCOR	2455 Mercantile Drive, Ste. 100, Rancho Cordova, CA 95742	916 386-2233	sales@repcor1.com
	Specification Sales	1126 8th Street, Kirkland, WA 98033	425 576-0278	info@specsls.net
	Specification Sales	1417 NE 76th St., Vancouver, WA 98665	360 737-2540	scott@specsls.net
	VEMCO (main office)	2016 2nd. Avenue North, Billings, MT 59101	406 248-8373	mail@vemcoinc.com
	VEMCO	201 N. Russell, Missoula, MT 59801	406 549-6113	elisak@vemcoinc.com
VEMCO	1625 3rd. Ave., Great Falls, MT 59401	406 727-5335	melaniew@vemcoinc.com	
1116	EXPORT Hdqtrs.: Watts Regulator Co.	815 Chestnut St., North Andover, MA 01845-6098 U.S.A.	Telephone 978 688-1811	E-mail watts@wattswater.com



A Watts Water Technologies Company



USA: 815 Chestnut St., No. Andover, MA 01845-6098; www.watts.com

Canada: 5435 North Service Rd., Burlington, ON L7L 5H7; www.wattscanada.ca