

Radiant



Heat

Hydronic Radiant Heating Products Catalog

radiant.watts.com

WATTS®



In these pages you will find everything needed for your hydronic radiant applications. From snow melting a driveway to heating your home to moving hot water with minimal heat loss, we have the parts for the job.

Table of Contents

Heating PEX

Heating PEX Coils.....	5
Brass x PEX Adapters	5
Brass x PEX Elbows	6
Brass PEX x PEX Equal Elbows	6
PEX Repair Kits.....	6
PEX CinchClamp.....	7
PEX CinchClamp Tool.....	7
PEX Ratcheting Cinch Tool w/Holster	7

PEX-AL-PEX (P.A.P.)

P.A.P. Coils.....	7
Brass P.A.P. x BSP Adapters.....	8
Brass P.A.P. Elbows	8
Brass P.A.P. Repair Kits.....	9
Replacement P.A.P. Insulators.....	9
Replacement P.A.P. O-rings	9
BSP x P.A.P. Compression Adapters.....	9
P.A.P. Reamer Tools	9

Copper Manifolds

Compression x PEX Manifold Kits	10
Compression x PEX-AL-PEX Manifold Kits.....	10
Replacement Universal Manifold Brackets.....	11
Manifold Pressure Test Kit.....	11
Manifold Boxes	11

Fasteners and Tools

Foam Board Stapler and Staples	11
Bend Supports	12
Railways	12
Foam Board Staples	11

Cable Ties	12
Foam Board Screw Clips	12
Foam Board Screw Clip Tool	12
Under-Floor Clips.....	13
Under-Floor Plates.....	13
PEX-AL-PEX Reamer Tools.....	13
Tubing Cutter.....	13
Tubing Unwinder	13

Controls

Dual Sensing Air/Floor Thermostat.....	14
Snow Melt Detector.....	14

Flow Controls

Visual Flow Control Setter	14
Actuator and Valve Body Kit.....	14

Insulated PEX Piping

Insulated Barrier PEX Piping Kits.....	15
Brass x PEX Adapters	15
Brass x PEX Couplings.....	15
Insulated PEX Piping Caps	16
Insulated PEX Casings	16
Insulated PEX Jacket Repair	16
Insulated PEX Caution Tape	16

Mechanical Panels

HydroBasic Panel.....	16
HydroBasic Zone Add-on.....	16

Miscellaneous

Terms and Conditions	4
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Any product in this catalog that contacts water is not to be used in potable applications.



CALIFORNIA PROPOSITION 65 WARNING

Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California).

For more information: www.watts.com/prop65.

Terms and Conditions

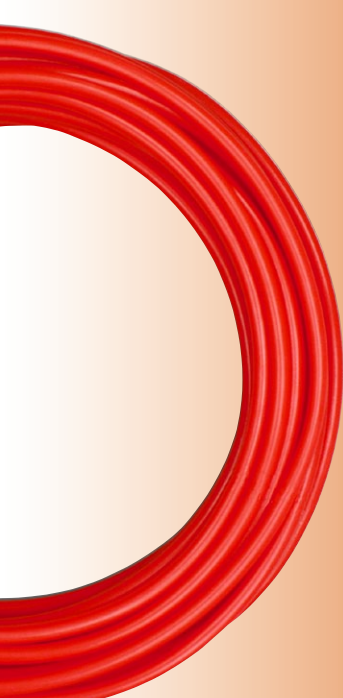
- FREIGHT TERMS:** All shipments are F.O.B. shipping point. Factory shipments of \$2500 and over within the continental U.S.A, with the exception of Insulated PEX products, will be prepaid and allowed when made at the lowest motor carrier transportation rate. Insulated PEX products will be shipped prepaid and add.
- 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 unless other payment terms have been negotiated. 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 in said order form will be binding on the Seller if they in any way modify the Seller's own terms and conditions of sale.
- SPECIAL ORDERS:** Orders for special or modified products are non-cancelable.
- PRICING:** 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.
- RETURNED GOODS:** No returns will be given for material over one (1) year old from date of shipment. No material shall be returned without first receiving a Return Materials Authorization (RMA) number. 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.

LIMITED WARRANTY:

- A. Watts® Regulator Co. ("Watts®") warrants its Heating PEX® cross-linked polyethylene tubing (PEX), barbed PEX fittings, PEX tools and accessories, brass fittings, factory manufactured copper compression manifolds, PEX-Aluminum-PEX tubing, controls, Insulated PEX tubing, and Insulated PEX fittings and accessories to be free of defects in material and workmanship when used under normal usage in heating and snow melting applications, and installed in accordance with all Watts printed installation instructions. Specific warranty durations apply as follows:
1. Watts Heating PEX and PEX-Aluminum-PEX tubing a period of twenty-five (25) years from the date of original shipment.
 2. Watts Insulated PEX tubing for a period of ten (10) years from the date of original shipment.
 3. All other fittings 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' 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, 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 installing person(s).
- C. In order to qualify for a warranty remedy under paragraph B, you must contact Watts in advance and receive 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 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 warranted materials before they are covered by concrete or otherwise made inaccessible.
 2. Install Watts Heating PEX, PEX-Aluminum-PEX, and Insulated PEX materials according to all guidelines and manuals published by Watts.
 3. Install Watts Heating PEX, PEX-Aluminum-PEX, and Insulated PEX products in a system that will not operate at temperatures or at pressures that exceed the rating printed on the tubing.
- 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 which result in damage to Watts' 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 radiant heating system to complete an installation with Watts products. However, it is possible other manufacturers' tubing and/or fittings may be installed in any given installation. Providing 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 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.**

NOTE: No Representative or Agent of Watts has authority to make any representation or agreement not set forth herein.

Heating PEX



Heating PEX Coils

- Red cross-linked polyethylene tubing.
- Ideal for heating and snowmelting applications.
- EVOH Oxygen Barrier.
- Manufactured to ASTM standards F876 and F877.
- Listed to ICC ESR-1155.
- Compliance with the following codes: IPC/IMC, UPC/UMC.
- 25-year warranty.

Description	Heating	Snow Melt	Order #	Pkg	Wt	List USD
1/2" Heating PEX Barrier x 100'	√		0959352	1	6 lbs	\$92.00
1/2" Heating PEX Barrier x 300'	√		0959351	1	17 lbs	\$276.00
1/2" Heating PEX Barrier x 500'	√		0959402	1	23 lbs	\$460.00
1/2" Heating PEX Barrier x 1000'	√		0959403	1	45 lbs	\$920.00
3/4" Heating PEX Barrier x 100'	√	√	0959349	1	11 lbs	\$133.00
3/4" Heating PEX Barrier x 300'	√	√	0959350	1	27 lbs	\$399.00
3/4" Heating PEX Barrier x 500'	√	√	0959404	1	45 lbs	\$665.00
3/4" Heating PEX Barrier x 1000'	√	√	0959405	1	82 lbs	\$1,330.00
1" Heating PEX Barrier x 100'	√		0959354	1	18 lbs	\$223.00
1" Heating PEX Barrier x 300'	√		0959353	1	27 lbs	\$669.00

Brass x PEX Adapters

- Precision machined brass.
- For connecting PEX to copper manifolds, valves, baseboard or hydro-air units.
- Available in male sweat, female sweat and MNPT connection styles.



Description	Order #	Pkg	Wt	List USD
1/2" PEX x 1/2" Male Sweat	0955200	1	1 lbs	\$1.34
1/2" PEX x 1/2" Male Sweat /pkg of 10	0955403	10	2 lbs	\$13.40
1/2" PEX x 1/2" Female Sweat	0955201	1	1 lbs	\$1.39
1/2" PEX x 1/2" Female Sweat /pkg of 10	0955404	10	2 lbs	\$13.90
1/2" PEX x 1/2" MNPT	0955202	1	1 lbs	\$2.63
1/2" PEX x 1/2" MNPT /pkg of 10	0955405	10	2 lbs	\$26.30
1/2" PEX x 3/4" MNPT	0955203	1	1 lbs	\$3.75
1/2" PEX x 3/4" MNPT /pkg of 10	0955406	10	2 lbs	\$37.50
3/4" PEX x 3/4" Male Sweat	0955204	1	1 lbs	\$2.34
3/4" PEX x 3/4" Male Sweat /pkg of 10	0955407	10	2 lbs	\$23.40
3/4" PEX x 3/4" Female Sweat	0955205	1	1 lbs	\$2.33
3/4" PEX x 3/4" Female Sweat /pkg of 10	0955408	10	2 lbs	\$23.30
3/4" PEX x 3/4" MNPT	0955206	1	1 lbs	\$3.98
3/4" PEX x 3/4" MNPT /pkg of 10	0955409	10	2 lbs	\$39.80
1" PEX x 1" Male Sweat	0955207	1	1 lbs	\$3.43
1" PEX x 1" Male Sweat /pkg of 10	0955410	10	2 lbs	\$34.30
1" PEX x 1" Female Sweat	0955208	1	1 lbs	\$2.60
1" PEX x 1" Female Sweat /pkg of 10	0955411	10	2 lbs	\$26.00
1" PEX x 1" MNPT	0955209	1	1 lbs	\$5.20
1" PEX x 1" MNPT /pkg of 10	0955412	10	2 lbs	\$52.00

Heating PEX



Brass x PEX Elbows

- Precision machined brass.
- For connecting PEX to copper manifolds, valves, baseboard or hydro-air units.
- Available in male sweat, female sweat and MNPT connection styles.

Description	Order #	Pkg	Wt	List USD
1/2" PEX x 1/2" MNPT Elbow	0955210	1	1 lbs	\$6.62
1/2" PEX x 1/2" MNPT Elbow /pkg of 10	0955413	10	1 lbs	\$66.20
1/2" PEX x 3/4" Male Sweat Elbow	0955211	1	1 lbs	\$6.88
1/2" PEX x 3/4" Male Sweat Elbow /pkg of 10	0955414	10	1 lbs	\$68.80
1/2" PEX x 3/4" Female Sweat Elbow	0955212	1	1 lbs	\$8.79
1/2" PEX x 3/4" Female Sweat Elbow /pkg of 10	0955415	10	1 lbs	\$87.90
1/2" PEX x 3/4" MNPT Elbow	0955213	1	1 lbs	\$7.03
1/2" PEX x 3/4" MNPT Elbow /pkg of 10	0955416	10	1 lbs	\$70.30
3/4" PEX x 3/4" MNPT Elbow	0955214	1	1 lbs	\$10.28
3/4" PEX x 3/4" MNPT Elbow /pkg of 10	0955417	10	1 lbs	\$102.80
3/4" PEX x 3/4" Male Sweat Elbow	0955215	1	1 lbs	\$6.88
3/4" PEX x 3/4" Male Sweat Elbow /pkg of 10	0955418	10	1 lbs	\$68.80
3/4" PEX x 3/4" Female Sweat Elbow	0955216	1	1 lbs	\$9.38
3/4" PEX x 3/4" Female Sweat Elbow /pkg of 10	0955419	10	1 lbs	\$93.80



Brass PEX x PEX Equal Elbows

- Precision machined brass.
- For connecting PEX to PEX.

Description	Order #	Pkg	Wt	List USD
1/2" PEX x 1/2" PEX Elbow	0955217	1	1 lbs	\$1.63
1/2" PEX x 1/2" PEX Elbow /pkg of 10	0955420	10	2 lbs	\$16.30
3/4" PEX x 3/4" PEX Elbow	0955218	1	1 lbs	\$2.19
3/4" PEX x 3/4" PEX Elbow /pkg of 10	0955421	10	2 lbs	\$21.90
1" PEX x 1" PEX Elbow	0955219	1	1 lbs	\$5.57
1" PEX x 1" PEX Elbow /pkg of 10	0955422	10	2 lbs	\$55.70

PEX Repair Kits (2 Couplings, 4 CinchClamps)

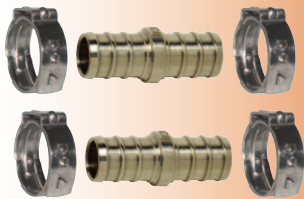
- Contains two double-ended barbs (couplings) and four CinchClamps, enough for two splices.
- Wrap buried splices in electrical tape for corrosion protection of brass.
- Repair Instructions included.

Description	Order #	Pkg	Wt	List USD
1/2" Repair Kit	0955220	1	1 lbs	\$5.40
3/4" Repair Kit	0955221	1	1 lbs	\$7.30
1" Repair Kit	0955222	1	1 lbs	\$11.00

PEX Compression Adapters

- For connecting PEX to Watts compression manifolds.

Description	Order #	Pkg	Wt	List USD
1/2" PEX Compression Adapters	0958110	2	1 lbs	\$108.10
3/4" PEX Compression Adapters	0958111	2	1 lbs	\$113.70



Heating PEX



PEX CinchClamps

- Easy connections.
- Rated to 160 psi @ 73°F; 100 psi @ 180°F.
- 360° uniform, watertight seal.
- Corrosion resistant, annealed stainless steel.

Description	Order #	Pkg	Wt	List USD
1/2" CinchClamps	0955223	10	1 lbs	\$5.60
3/4" CinchClamps	0955224	10	2 lbs	\$7.80
1" CinchClamps	0955225	10	2 lbs	\$8.80

PEX Cinch Tool

- Make PEX (CinchClamp) connections easily.
- Two-hand operation.
- Great for those hard to reach spaces.
- For 1/2" & 3/4" PEX (not 1").
- Meets ASTM F2098 specifications.

Description	Order #	Pkg	Wt	List USD
Cinch Tool	0959155	1	3 lbs	\$146.70

PEX Ratcheting Cinch Tool w/Holster

- Make PEX (CinchClamp) connections easily.
- One-hand ratcheting operation.
- Great for those hard to reach spaces.
- For 1/2" through 1" PEX.
- Meets ASTM F2098 specifications.
- Complete with holster and adjustment tools.

Description	Order #	Pkg	Wt	List USD
Ratcheting Cinch Tool	0955226	1	3 lbs	\$220.50

PEX-AL-PEX

PEX-AL-PEX Coils

- Composite PEX-Aluminum-PEX pipe for radiant heating and snowmelting.
- Lightweight, durable and can be shaped to fit any jobsite.
- Aluminum layer protects boiler systems against corrosion.
- Superior temperature and pressure ratings.
- Manufactured to ASTM standard F1281.
- Manufactured to NSF-rfh (NSF-radiant floor heating application).
- Carries the UPC certification as approved by IAPMO.
- 25-year warranty.

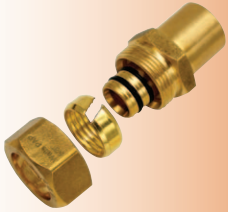
Description	Heating	Snow Melt	Order #	Pkg	Wt	List USD
1/2" PEX-AL-PEX x 300'	√		0955227	1	23 lbs	\$327.00
1/2" PEX-AL-PEX x 500'	√		0955228	1	36 lbs	\$545.00
3/4" PEX-AL-PEX x 100'	√		0955229	1	18 lbs	\$182.00
3/4" PEX-AL-PEX x 300'	√	√	0955230	1	48 lbs	\$546.00
3/4" PEX-AL-PEX x 500'	√	√	0955231	1	73 lbs	\$910.00
1" PEX-AL-PEX x 100'	√		0955232	1	20 lbs	\$277.00
1" PEX-AL-PEX x 300'	√		0955233	1	54 lbs	\$831.00



PEX-AL-PEX

Brass PEX-AL-PEX Adapters

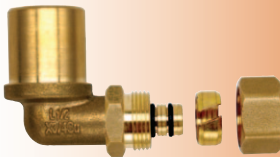
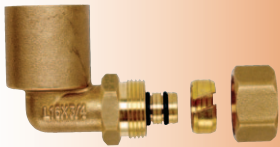
- Precision machined brass.
- For connecting PEX-AL-PEX to copper manifolds, valves, baseboard or hydro-air units.
- Available in male sweat, female sweat and MNPT connection styles.
- O-rings and insulators included, shipped loose on sweat adapters.



Description	Order #	Pkg	Wt	List USD
1/2" Compression x 1/2" Male Sweat	0955234	1	1 lbs	\$5.79
1/2" Compression x 1/2" Male Sweat /pkg of 10	0955423	10	2 lbs	\$57.90
1/2" Compression x 1/2" Female Sweat	0955235	1	1 lbs	\$6.03
1/2" Compression x 1/2" Female Sweat /pkg of 10	0955424	10	2 lbs	\$60.30
1/2" Compression x 3/4" MNPT	0955236	1	1 lbs	\$8.04
1/2" Compression x 3/4" MNPT /pkg of 10	0955425	10	2 lbs	\$80.40
3/4" Compression x 3/4" MNPT	0955237	1	1 lbs	\$10.76
3/4" Compression x 3/4" MNPT /pkg of 10	0955426	10	2 lbs	\$107.60
3/4" Compression x 3/4" Male Sweat	0955238	1	1 lbs	\$10.40
3/4" Compression x 3/4" Male Sweat /pkg of 10	0955427	10	2 lbs	\$104.00
3/4" Compression x 3/4" Female Sweat	0955239	1	1 lbs	\$10.64
3/4" Compression x 3/4" Female Sweat /pkg of 10	0955428	10	2 lbs	\$106.40
1" Compression x 1" Male Sweat	0955240	1	1 lbs	\$8.28
1" Compression x 1" Male Sweat /pkg of 10	0955429	10	2 lbs	\$82.80
1" Compression x 1" Female Sweat	0955241	1	1 lbs	\$8.63
1" Compression x 1" Female Sweat /pkg of 10	0955430	10	2 lbs	\$86.30

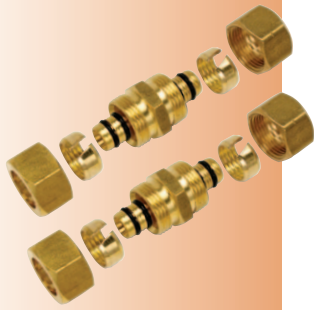
Brass PEX-AL-PEX Elbows

- Precision machined brass.
- For connecting PEX-AL-PEX to manifolds, adapters, valves, baseboard or hydro-air units.
- Available in male sweat, female sweat and MNPT connection styles.
- O-rings and insulators included, shipped loose on sweat adapters.



Description	Order #	Pkg	Wt	List USD
Elbow, 1/2" Compression x 3/4" Male Sweat	0955242	1	1 lbs	\$12.30
Elbow, 1/2" Compression x 3/4" Male Sweat /pkg of 10	0955431	10	2 lbs	\$123.00
Elbow, 1/2" Compression x 3/4" Female Sweat	0955243	1	1 lbs	\$13.36
Elbow, 1/2" Compression x 3/4" Female Sweat /pkg of 10	0955432	10	2 lbs	\$133.60
Elbow, 3/4" Compression x 3/4" Male Sweat	0955244	1	1 lbs	\$13.01
Elbow, 3/4" Compression x 3/4" Male Sweat /pkg of 10	0955433	10	2 lbs	\$130.10
Elbow, 3/4" Compression x 3/4" Female Sweat	0955245	1	1 lbs	\$14.07
Elbow, 3/4" Compression x 3/4" Female Sweat /pkg of 10	0955434	10	2 lbs	\$140.70
Elbow, 3/4" Compression x 3/4" Compression Sweat	0955246	1	1 lbs	\$22.82
Elbow, 3/4" Compression x 3/4" Compression Sweat /pkg of 10	0955435	10	2 lbs	\$228.20
Elbow, 1" Compression x 1" Compression Sweat	0955248	1	1 lbs	\$23.90
Elbow, 1" Compression x 1" Compression Sweat /pkg of 10	0955436	10	2 lbs	\$239.00

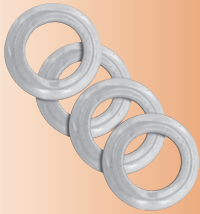
PEX-AL-PEX



Brass PEX-AL-PEX Compression Repair Kits

- Contains two sets of Compression Couplings, enough for two splices.
- Instructions included to ensure the repair is done correctly.
- Pressure test all repairs.
- Do not bury compression adapters in concrete or other inaccessible areas.

Description	Order #	Pkg	Wt	List USD
Repair Kit, 1/2" Compression	0955249	2	1 lbs	\$15.38
Repair Kit, 3/4" Compression	0955250	2	1 lbs	\$30.74
Repair Kit, 1" Compression	0955251	2	1 lbs	\$24.84



Replacement PEX-AL-PEX Insulators

- Extra insulators to isolate the aluminum inner core from the brass fitting.
- For replacement.

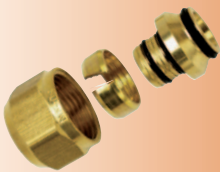
Description	Order #	Pkg	Wt	List USD
Extra Compression Fitting Insulator, 1/2"	0955252	10	0.5 lbs	\$2.40
Extra Compression Fitting Insulator, 3/4"	0955253	10	0.5 lbs	\$2.50



Replacement PEX-AL-PEX O-Rings

- Extra O-rings for PEX-AL-PEX adapters.
- Provides tight, leak-proof seal between fitting and pipe.
- For replacement.

Description	Order #	Pkg	Wt	List USD
Extra Compression Fitting O-Rings, 1/2"	0955254	10	0.5 lbs	\$2.85
Extra Compression Fitting O-Rings, 3/4"	0955255	10	0.5 lbs	\$4.25



BSP x PEX-AL-PEX Compression Adapters

- Precision machined brass.
- For connecting PEX-AL-PEX to Watts Compression Manifolds.
- O-rings and Insulators included
- For Replacement.

Description	Order #	Pkg	Wt	List USD
1/2" Compression x 3/4" BSP	0955256	2	1 lbs	\$14.90
3/4" Compression x 3/4" BSP	0955257	2	2 lbs	\$70.48



PEX-AL-PEX Reamer

- Used to shape and prep PEX-AL-PEX.
- Chambers the inner tube for ease of installation.
- Available in 3-side or T-handle.



Description	Order #	Pkg	Wt	List USD
3-Sided Reamer, 3/8", 1/2" & 3/4"	0955258	1	1 lbs	\$15.80
T-Handle Reamer, 3/4"	0955259	1	1 lbs	\$20.00
T-Handle Reamer, 1"	0955260	1	1 lbs	\$22.10

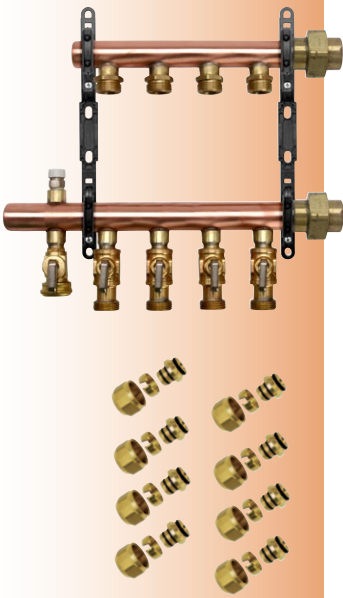
Note: All PEX-AL-PEX connections require a reamer.

Manifolds

Copper Compression x PEX Manifold Kits

Copper Compression Manifold Kits include:

- PEX or PEX-AL-PEX Compression x 3/4" BSP Adapters.
- Mounting Brackets.
- Installed Unions for easy connection to pressure test kit or system piping.
- Installed Vent/Purge assembly for purging air from system.
- Installed Mini-Ball Valves on the return for purging air from system and system balance.



Description	Order #	Pkg	Wt	List USD
2 Circuit Compression Manifold, 1/2" PEX x 1" Trunk (w/4 adapters)	0955261	1 Kit	6 lbs	\$338.40
3 Circuit Compression Manifold, 1/2" PEX x 1" Trunk (w/6 adapters)	0955262	1 Kit	7 lbs	\$416.70
4 Circuit Compression Manifold, 1/2" PEX x 1" Trunk (w/8 adapters)	0955263	1 Kit	8 lbs	\$495.00
5 Circuit Compression Manifold, 1/2" PEX x 1" Trunk (w/10 adapters)	0955264	1 Kit	9 lbs	\$573.30
6 Circuit Compression Manifold, 1/2" PEX x 1" Trunk (w/12 adapters)	0955265	1 Kit	10 lbs	\$651.60
7 Circuit Compression Manifold, 1/2" PEX x 1" Trunk (w/14 adapters)	0955266	1 Kit	11 lbs	\$729.90
8 Circuit Compression Manifold, 1/2" PEX x 1" Trunk (w/16 adapters)	0955267	1 Kit	12 lbs	\$808.20
9 Circuit Compression Manifold, 1/2" PEX x 1" Trunk (w/18 adapters)	0955268	1 Kit	13 lbs	\$886.50
10 Circuit Compression Manifold, 1/2" PEX x 1" Trunk (w/20 adapters)	0955269	1 Kit	14 lbs	\$964.80
2 Circuit Compression Manifold, 3/4" PEX x 1-1/4" Trunk (w/4 adapters)	0955270	1 Kit	6 lbs	\$365.00
3 Circuit Compression Manifold, 3/4" PEX x 1-1/4" Trunk (w/6 adapters)	0955271	1 Kit	7 lbs	\$456.60
4 Circuit Compression Manifold, 3/4" PEX x 1-1/4" Trunk (w/8 adapters)	0955272	1 Kit	8 lbs	\$548.20
5 Circuit Compression Manifold, 3/4" PEX x 1-1/4" Trunk (w/10 adapters)	0955273	1 Kit	9 lbs	\$639.80
6 Circuit Compression Manifold, 3/4" PEX x 1-1/4" Trunk (w/12 adapters)	0955274	1 Kit	10 lbs	\$731.40
7 Circuit Compression Manifold, 3/4" PEX x 1-1/4" Trunk (w/14 adapters)	0955275	1 Kit	11 lbs	\$823.00
8 Circuit Compression Manifold, 3/4" PEX x 1-1/4" Trunk (w/16 adapters)	0955276	1 Kit	12 lbs	\$914.60
9 Circuit Compression Manifold, 3/4" PEX x 1-1/4" Trunk (w/18 adapters)	0955277	1 Kit	13 lbs	\$1,006.20
10 Circuit Compression Manifold, 3/4" PEX x 1-1/4" Trunk (w/20 adapters)	0955278	1 Kit	14 lbs	\$1,097.80

Copper Compression x PEX-AL-PEX Manifold Kits

Description	Order #	Pkg	Wt	List USD
2 Circuit Compression Manifold, 1/2" PEX-AL-PEX x 1" Trunk (w/4 adapters)	0955279	1 Kit	7 lbs	\$317.20
3 Circuit Compression Manifold, 1/2" PEX-AL-PEX x 1" Trunk (w/6 adapters)	0955280	1 Kit	8 lbs	\$384.90
4 Circuit Compression Manifold, 1/2" PEX-AL-PEX x 1" Trunk (w/8 adapters)	0955281	1 Kit	9 lbs	\$452.60
5 Circuit Compression Manifold, 1/2" PEX-AL-PEX x 1" Trunk (w/10 adapters)	0955282	1 Kit	10 lbs	\$520.30
6 Circuit Compression Manifold, 1/2" PEX-AL-PEX x 1" Trunk (w/12 adapters)	0955283	1 Kit	12 lbs	\$588.00
7 Circuit Compression Manifold, 1/2" PEX-AL-PEX x 1" Trunk (w/14 adapters)	0955284	1 Kit	13 lbs	\$655.70
8 Circuit Compression Manifold, 1/2" PEX-AL-PEX x 1" Trunk (w/16 adapters)	0955285	1 Kit	14 lbs	\$723.40
9 Circuit Compression Manifold, 1/2" PEX-AL-PEX x 1" Trunk (w/18 adapters)	0955286	1 Kit	15 lbs	\$791.10
10 Circuit Compression Manifold, 1/2" PEX-AL-PEX x 1" Trunk (w/20 adapters)	0955287	1 Kit	16 lbs	\$858.80
2 Circuit Compression Manifold, 3/4" PEX-AL-PEX x 1-1/4" Trunk (w/4 adapters)	0955288	1 Kit	7 lbs	\$332.40
3 Circuit Compression Manifold, 3/4" PEX-AL-PEX x 1-1/4" Trunk (w/6 adapters)	0955289	1 Kit	9 lbs	\$407.70
4 Circuit Compression Manifold, 3/4" PEX-AL-PEX x 1-1/4" Trunk (w/8 adapters)	0955290	1 Kit	10 lbs	\$483.00
5 Circuit Compression Manifold, 3/4" PEX-AL-PEX x 1-1/4" Trunk (w/10 adapters)	0955291	1 Kit	11 lbs	\$558.30
6 Circuit Compression Manifold, 3/4" PEX-AL-PEX x 1-1/4" Trunk (w/12 adapters)	0955292	1 Kit	13 lbs	\$633.70
7 Circuit Compression Manifold, 3/4" PEX-AL-PEX x 1-1/4" Trunk (w/14 adapters)	0955293	1 Kit	14 lbs	\$708.90
8 Circuit Compression Manifold, 3/4" PEX-AL-PEX x 1-1/4" Trunk (w/16 adapters)	0955294	1 Kit	16 lbs	\$784.20
9 Circuit Compression Manifold, 3/4" PEX-AL-PEX x 1-1/4" Trunk (w/18 adapters)	0955295	1 Kit	17 lbs	\$859.50
10 Circuit Compression Manifold, 3/4" PEX-AL-PEX x 1-1/4" Trunk (w/20 adapters)	0955296	1 Kit	19 lbs	\$934.80

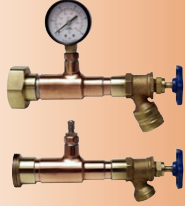
Manifolds



Replacement Universal Manifold Brackets

- Easy to assemble.
- Complete with mounting screws and rubber mounting seats.
- Manufactured from tough plastic.
- Sold in pairs.

Description	Order #	Pkg	Wt	List USD
Manifold Bracket, 1" - 1-1/4"	0955297	1 pr.	1 lbs	\$42.50



Copper Manifold Pressure Test Kit

- Enables testing of circuits and manifolds with air or water.
- Union connections standard on all Pressure Test Kits.
- Easy connection to Watts manifolds.

Description	Order #	Pkg	Wt	List USD
Copper Manifold Pressure Test Kit, 1"	0955298	1 kit	3 lbs	\$145.50
Copper Manifold Pressure Test Kit, 1-1/4"	0955299	1 kit	4 lbs	\$165.30



Manifold Boxes

- Made of 18 ga. carbon steel.
- Durable white powder coat finish.
- Mounts up to 1-1/2" diameter manifolds.
- Depth expandable from 4-1/2" to 6".

Description	Order #	Pkg	Wt	List USD
Manifold Box, Small 16" x 29" x 4-1/2" <i>Fits 2-4 Branch Manifold</i>	0955300	1	7 lbs	\$238.70
Manifold Box, Medium 24" x 29" x 4-1/2" <i>Fits 5-8 Branch Manifold</i>	0955301	1	15 lbs	\$278.80
Manifold Box, Large 40" x 29" x 4-1/2" <i>Fits 9-10 Branch Manifold</i>	0955302	1	22 lbs	\$329.40

Fasteners and Tools



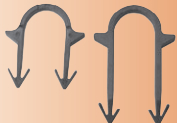
Foam Board Stapler

- Staples 1/2" and 3/4" Watts Heating PEX or 1/2" PEX-AL-PEX to a wide variety of 1", 1-1/2" and 2" foam insulation boards.
- Fully assembled.
- For both 1-1/2" and 2-1/4" plastic staples.
- Holds up to 120 staples.
- Easy to use!
- Ergonomic handle for comfortable grip.

Description	Order #	Pkg	Wt	List USD
Foam Board Stapler	0955303	1	7 lbs	\$598.00

Foam Board Staples

- Staples designed for both 1/2" and 3/4" PEX and PEX-AL-PEX tubing.
- Shorter staples for 1" insulation board.
- Longer staples for 2" (or thicker) insulation board.
- Use one staple for 18" of pipe.



Description	Order #	Pkg	Wt	List USD
1-1/2" Foam Board Staples	0955308	300	3 lbs	\$42.70
2-1/4" Foam Board Staples	0955309	300	3 lbs	\$57.20

Fasteners and Tools



Bend Supports

- Durable.
- Used near the circuit ends for protecting and smoothly transitioning 1/2" PEX and PEX-AL-PEX out of the slab and up to manifolds.

Description	Order #	Pkg	Wt	List USD
1/2" PEX Terminal Bend Support	0955304	10	4 lbs	\$19.80
3/4" PEX Terminal Bend Support	0955305	10	5 lbs	\$29.20



Railways

- Triple-Track Railways securely hold 3/8", 1/2" and 5/8" PEX and PEX-AL-PEX spacing 6", 9", and 12".
- Applications include concrete slabs, thinslabs, sandbeds, and subgrade gravel beds where rewire or rebar are not used.

Description	Order #	Pkg	Wt	List USD
Railway, Triple-track, 4'	0955306	10	10 lbs	\$97.20



Cable Ties

- High-strength nylon ties.
- For securing PEX and PEX-AL-PEX to rewire or rebar.
- Use one Cable Tie per 18" of pipe.

Description	Order #	Pkg	Wt	List USD
Cable Ties	0955310	100	1 lbs	\$7.40



Foam Board Screw Clips

- Designed to hold 3/8", 1/2", and 5/8" PEX and PEX-AL-PEX.
- Simply screw the clip into the insulation and snap the tubing into the clip.
- Use one Screw Clip per 18" of pipe.

Description	Order #	Pkg	Wt	List USD
Foam Board Screw Clip	0955311	100	2 lbs	\$50.20



Foam Board Screw Clip Tool

- Designed to install screw clips easily into board-type insulation.
- Use with standard cordless drill.

Description	Order #	Pkg	Wt	List USD
Screw Clip Tool	0955312	1	2 lbs	\$68.20

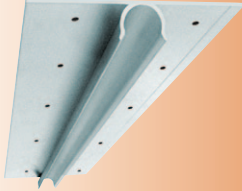
Fasteners and Tools



Under-Floor Clips

- Designed for installing 1/2" PEX and PEX-AL-PEX in under-floor applications.
- Install to secure tubing every 12" to 18".
- Eliminates noise from PEX expansion and contraction.
- Use one Clip Tie per 24" of pipe.

Description	Order #	Pkg	Wt	List USD
Under-Floor Clip	0955315	100	1 lbs	\$55.10



Under-Floor Plates

- For installing 1/2" PEX and 1/2" PEX-AL-PEX under sub floors.
- Makes installation of 1/2" PEX or 1/2" PEX-AL-PEX fast and easy.
- 1/2" Tubing snaps into the channel.
- Tight grip eliminates annoying ticks and clicks as PEX expands and contracts.

Description	Order #	Pkg	Wt	List USD
1/2" x 4' Extruded Aluminum PEX Plate	0955314	20	26 lbs	\$266.50



PEX-AL-PEX Reamer

- Used to shape and prep PEX-AL-PEX.
- Chambers the inner tube for ease of installation.
- Available in 3-side or T-handle.



Description	Order #	Pkg	Wt	List USD
3-Sided Reamer, 3/8", 1/2" & 3/4"	0955258	1	1 lbs	\$15.80
T-Handle Reamer, 3/4"	0955259	1	1 lbs	\$20.00
T-Handle Reamer, 1"	0955260	1	1 lbs	\$22.10

Note: All PEX-AL-PEX connections require a reamer.



Tubing Cutter

- All-metal construction.
- Superior strength compared to the plastic models.

Description	Order #	Pkg	Wt	List USD
Tubing Cutter	0959149	1	1 lbs	\$18.20



Tubing Unwinder

- Handles all sizes of PEX and PEX-AL-PEX.
- Complete with two coil hold-down arms.

Description	Order #	Pkg	Wt	List USD
PEX and PEX-AL-PEX Unwinder	0955316	1	35 lbs	\$601.00

Controls



Dual Sensing Air & Floor Thermostat - with sensor

- Non-programmable heat-only thermostat for sensing air, floor or both air and floor temperatures.
- Includes optional 10k floor sensor to sense floor temperature.
- Battery-powered.

Description	Order #	Pkg	Wt	List USD
Dual Temperature Thermostat w/ floor sensor	0955317	1	1 lbs	\$87.40

Snow Melt Detector

- The Snow Melt Detector saves energy by providing snow melting only during snow fall and for up to five hours after snowfall stops. Operates from 24 volts AC with maximum power consumption of 2.5 watts.

Description	Order #	Pkg	Wt	List USD
Snow Melt Detector, Pole-mount	0955321	1	2 lbs	\$535.40

Flow Controls

Visual Flow Control Setter

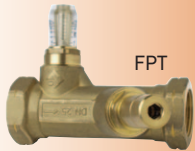
- Commercial quality.
- Non-electric visual flow indicator and flow setter.
- Rotatable scale gives visual flow indication in GPM.
- Allow zone-by-zone control and optimization.
- 1" MPT half union connections.

Description	Order #	Pkg	Wt	List USD
0.5-4 GPM, 1" MPT Half Unions	0955319	1	4 lbs	\$117.80
1-13 GPM, 1" FPT Ends	0955320	1	2 lbs	\$155.80

Actuator and Valve Body Kit

- For adding a zone valve where conditions warrant.
- 3/4" sweat x 3/4" sweat Brass body.
- Actuator uses only 3W of power.
- Actuator includes end switch.

Description	Order #	Pkg	Wt	List USD
Actuator and Valve Body Kit, 3/4"	0958113	1	3 lbs	\$103.00
Replacement Actuator	0955323	1	1 lbs	\$59.00

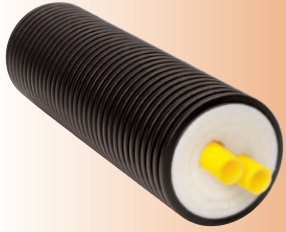


Insulated PEX Piping

Insulated PEX Piping

Insulated Barrier PEX Piping Kits*

- Pre-insulated, flexible, energy-saving tubing for exterior supply and return piping.
- Durable, double-wall, waterproof, jobsite tough outer cover.
- Thick insulation layers surrounding PEX pipe will not absorb water in buried applications.
- Faster and easier to install than rigid piping systems.
- Available in dual pipe styles.
- Manufactured in accordance with DIN 16892/16893, with a DIN 4726 oxygen barrier.
- Ratings: 200 Deg F at 80 psi; 180 Deg F at 100 psi; 73 Deg F at 160 psi.



Description	Order #	Pkg	Wt	List USD
Dual 1" x 125mm OD Jacket, 50'	0955324	1	55 lbs	\$1,467.00
Dual 1" x 125mm OD Jacket, 100'	0955325	1	109 lbs	\$2,727.00
Dual 1" x 125mm OD Jacket, 150'	0955326	1	164 lbs	\$3,987.00
Dual 1" x 125mm OD Jacket, 200'	0955327	1	218 lbs	\$5,247.00
Dual 1" x 125mm OD Jacket, 328'	0955328	1	363 lbs	\$8,305.60
Dual 32mm x 125mm OD Jacket, 50'	0955329	1	62 lbs	\$1,577.00
Dual 32mm x 125mm OD Jacket, 100'	0955330	1	123 lbs	\$2,947.00
Dual 32mm x 125mm OD Jacket, 150'	0955331	1	185 lbs	\$4,317.00
Dual 32mm x 125mm OD Jacket, 200'	0955332	1	246 lbs	\$5,687.00
Dual 32mm x 125mm OD Jacket, 328'	0955333	1	407 lbs	\$9,027.20



* Kits include 2 dust caps and 100' roll of caution tape.

Brass x PEX Adapters

- For connecting Insulated PEX to metal adapters.
- Compression fitting for tool-free ease of installation.



Description	Order #	Pkg	Wt	List USD
Adapter, Compression, 1" x 1" MPT	0955344	1	1 lbs	\$34.00
Adapter, Compression, 32mm x 1" MPT	0955345	1	1 lbs	\$45.00

Brass x PEX Coupling (PEX x PEX)

- For joining Insulated PEX coils together.
- Compression fitting for tool-free ease of installation.



Description	Order #	Pkg	Wt	List USD
Coupling, Compression, 1" x 1"	0955365	1	2 lbs	\$75.00
Coupling, Compression, 32mm x 32mm	0955366	1	3 lbs	\$96.00

Insulated PEX Piping



Insulated Barrier PEX Piping Caps

- Dust Caps for Non-waterproof protection, interior terminations only.
- Shrink Caps are waterproof, required for all direct burial connections in protective casings or inspection chamber.

Description	Order #	Pkg	Wt	List USD
Dual Pipe Dust Cap 2 x 1", 125mm OD	0955358	1	1 lbs	\$11.00
Dual Pipe Shrink Cap 2 x 1", 125mm OD	0955359	1	1 lbs	\$160.00
Dual Pipe Dust Cap 2 x 32mm, 125mm OD	0955360	1	1 lbs	\$11.00
Dual Pipe Shrink Cap 2 x 32mm, 125mm OD	0955359	1	1 lbs	\$160.00



Insulated PEX Casings

- For waterproofing direct burial connections.
- Seals and insulates connections.
- Includes 2 HDPE halves, insulation, sealer kit, and bolts.
- Must add shrink caps to seal ends of R-flex.

Description	Order #	Pk	Wt	List USD
Casing, Straight, 125-200mm	0955373	1	13 lbs	\$593.00



Insulated PEX Jacket Repair

- For repairing accidental damage to the Insulated PEX outer cover.
- Available in tape or sleeve styles.
- Simply apply over damaged area and heat with heat gun.



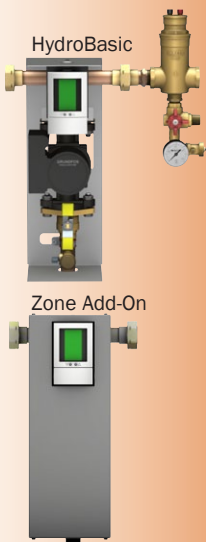
Description	Order #	Pk	Wt	List USD
Heat Shrink Repair Tape, 3/4" x 33'	0955378	1	7 lbs	\$208.00
Heat Shrink Repair Sleeve, 125mm	0955379	1	1 lbs	\$54.00



Insulated PEX Caution Tape

- For placement in backfill along entire length of the Insulated PEX as an alert to excavation crews of Insulated PEX below.

Description	Order #	Pk	Wt	List USD
Caution Tape, 100' Roll	0955383	1	1 lbs	\$18.00



Mechanical Panels

HydroBasic

Basic 1 zone system mechanical panel.

- Designed for small radiant systems up to 40,000 Btu/hr using a dedicated tank-type hot water heater.
- HydroBasic panel includes cover.

Description	Order #	Pkg	Wt	Dimension (WxHxD)	List USD
HydroBasic 1 Zone System	0955401	1	35 lbs	15"W x 21"H x 7-1/2"D	\$1250.00
HydroBasic 1 Zone Add-On	0955402	1	30 lbs	15"W x 21"H x 7-1/2"D	\$850.00



A Watts Water Technologies Company



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