



**2005 PRODUCT AND PARTS LIST**  
**Roth DWT Tank Systems – Roth Heating Systems – Roth Plumbing Systems**

Valid as of September 1, 2005

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## ROTH PLUMBING SYSTEMS

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## ROTH PLUMBING SYSTEMS



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## TANKS





PRODUCT	DESCRIPTION	PART #
	ROTH DWT 400L – 90 Gallon, ULC Listed	 1135003401
	ROTH DWT 620L – 135 Gallon, ULC Listed	1135001351
	ROTH DWT 1000L – 220 Gallon, ULC Listed	1135001352
	ROTH DWT 1500L – 330 Gallon, ULC Listed	1135002661

## ACCESSORIES

PRODUCT	DESCRIPTION	PART #
	ROTH Fuel Oil Gauge for 400L	1135003411
	ROTH Fuel Oil Gauge for 620L and 1000L	1135001863
	ROTH Fuel Oil Gauge for 1500L	1135000191
	ROTH Suction Assembly Bag for 400L, 620L, 1000L and 1500L	1150003382
	ROTH Metal Ventalarm (2" NPT)	3350000999
	ROTH Die Cast 2" FE	1150006801
	2" Die Cast Adapter for field-installed 2" anti-foam pipe (single tank installations)	3350000028
	ROTH Tank Cover for 400L and 620L	3335100749
	ROTH Tank Cover for 1000L	3335100757
	ROTH Tank Cover for 1500L	1135002054

ACCESSORIES		
PRODUCT	DESCRIPTION	PART #
	<p><b>ROTH Expansion Kit #1</b> Dual Tank Installation for 400L, 620L and 1000L</p>	1115007012
	<p><b>ROTH Expansion Kit #2</b> 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> Tanks Added to Dual Tank Installation for 400L, 620L and 1000L</p>	1115007013
	<p><b>ROTH Expansion Kit #3</b> Front and Back Installation for 1000L</p>	1115005343
	<p><b>ROTH Expansion Kit #4</b> Dual Tank Installation for 1500L</p>	1115006910
	<p><b>ROTH Expansion Kit #5</b> Added to Dual Tank Installation for 1500L</p>	1115006911
	<p>ROTH Tie Down Kit (2 per bag) for 400L, 620L and 1000L</p>	3335100222
	<p>ROTH Tie Down Kit (2 per bag) for 1500L</p>	3335400222

**ACCESSORIES**

PRODUCT	DESCRIPTION	PART #
	ROTH 3/8" Duplex Bushing with Fittings 	335000026
	ROTH 1/2" Duplex Bushing with Fittings 	335000027
	ROTH Leak Indicator for 620L and 1000L	1135000889
	ROTH Leak Indicator for 1500L	1135000890
	ROTH Cap Nut	115000024
	ROTH #3 Gasket	115000031

**ROTH DWT TANK SYSTEMS – WARRANTY CERTIFICATE**

LIMITED 10 YEAR  
WARRANTY CERTIFICATE  
ROTH DOUBLE WALL TANK (DWT)

Serial Number: \_\_\_\_\_

**Product Description:**

The Roth Double Wall Tank (DWT) is constructed with an inner tank, which is the primary oil storage tank and an outer containment tank, which is the secondary containment basin. The inner tank is made of corrosion proof polyethylene. The outer containment tank is made of corrosion resistant galvanized steel.

**Limited Warranty:**

Subject to the terms and conditions hereinafter set forth, Roth Industries hereby warrants that the DWT is free of any defect in material or workmanship. At its discretion, Roth Industries will either replace or repair the defective DWT free of charge, provided that the DWT was constantly operated in accordance with the instructions accompanying the DWT. The warranty expressed herein is in lieu of any other warranties, expressed or implied, including, without limitation any implied warranty of merchantability or fitness for a particular purpose, and is in lieu of all other obligations of liabilities.

**Compensation:**

Provided that the DWT is installed in accordance with applicable installation instructions by an authorized installer and provided that it is used for its intended purpose, Roth Industries, Inc., will compensate the purchaser of the DWT for any property damages incurred by the purchaser directly caused by leakage from a defective DWT up to a maximum of US\$ 1 Million. Under no circumstances will Roth Industries be otherwise liable for any incidental, consequential or collateral damages, or for any loss, damage or expense of any kind, including loss of profits arising in connection with the DWT.

**Duration of Limited Warranty:**

This limited warranty is valid for a period of ten (10) years beginning on the earlier of (I) the date the DWT was first installed or (II) twelve months from the date of manufacture.

**Warranty Performance:**

Claims under this warranty must be presented promptly and in writing delivered to Roth not later than seven (7) business days after discovery of the defect. A completed copy of this certificate must be attached to the claim notice. Further information on warranty performance can be obtained by calling either of the following toll free numbers:




**Date of Manufacture:** \_\_\_\_\_ **Date of Installation:** \_\_\_\_\_

**Name and Address of Installation:** \_\_\_\_\_

**Purchased from:** \_\_\_\_\_

**Telephone Number (Installation):** \_\_\_\_\_

**TUBING AND MANIFOLD**

PRODUCT	DESCRIPTION	PART #
<b>Roth PEXc Tubing with oxygen diffusion barrier</b>		
	3/8"; coil of 300'	1342121000
	3/8"; coil of 1,000'	1342121304
	1/2"; coil of 300'	1342151003
	1/2"; coil of 600'	1342151101
	1/2"; coil of 1,000'	1342151302
	1/2"; coil of 2,000'	1342151300
	5/8"; coil of 450'	<b>NEW</b> 1342191102
	5/8"; coil of 600'	1342191100
	5/8"; coil of 1,600'	1342191300
	3/4"; coil of 300'	1342221001
	3/4"; coil of 500'	1342221102
	3/4"; coil of 800'	1342221200
	3/4"; coil of 1,000'	1342221300
	1"; coil of 300'	1342281001
	40 x 3.7 mm; coil of 330'	1342401000
	40 x 3.7 mm; coil cut to order (price per ft.)	1342400100
	50 x 4.6 mm; coil of 330'	1342501000
50 x 4.6 mm; coil cut to order (price per ft.)	1342500100	
<b>Roth PEXc Tubing without oxygen diffusion barrier</b>		
	1/2" Coil of 600'	1342150200
	1/2" Coil of 2,000'	1342150300
	5/8" Coil of 450'	<b>NEW</b> 1342190100
	5/8" Coil of 1,000'	<b>NEW</b> 1342190300
	3/4" Coil of 200'	<b>NEW</b> 1342220013
	3/4" Coil of 500'	<b>NEW</b> 1342220102
	3/4" Coil of 1,000'	<b>NEW</b> 1342220300
<b>Roth PEXc Tubing UV resistant without oxygen diffusion barrier</b>		
	5/8"; Black coil of 1,000'	1343190300
	3/4"; Black coil of 1,000'	1343220300
<b>Roth Manifolds w/ flow meter and built-in valves for 3/8", 1/2", &amp; 5/8" PEX</b>		
	Manifold HK 2 Flowmeter - for 2 tubing loops	1115006872
	Manifold HK 3 Flowmeter- for 3 tubing loops	1115006873
	Manifold HK 4 Flowmeter - for 4 tubing loops	1115006874
	Manifold HK 5 Flowmeter - for 5 tubing loops	1115006875
	Manifold HK 6 Flowmeter - for 6 tubing loops	1115006876
	1115006006 will be delivered until stock available	
	Manifold HK 7 Flowmeter - for 7 tubing loops	1115006877
	1115006007 will be delivered until stock available	
	Manifold HK 8 Flowmeter - for 8 tubing loops	1115006878
	1115006008 will be delivered until stock available	
Manifold HK 10 Flowmeter - for 10 tubing loops	1115006880	
1115006009 will be delivered until stock available		

## TUBING AND MANIFOLD

PRODUCT	DESCRIPTION	PART #
<b>Roth valved Manifolds for 3/8", 1/2", &amp; 5/8" PEX</b>		
	Manifold HKV 2 Universal - for 2 tubing loops	1115006883
	Manifold HKV 3 Universal - for 3 tubing loops	1115006884
	Manifold HKV 4 Universal - for 4 tubing loops	1115006885
	Manifold HKV 5 Universal - for 5 tubing loops	1115006886
	Manifold HKV 6 Universal - for 6 tubing loops	1115006887
	Manifold HKV 7 Universal - for 7 tubing loops 1115001258 will be delivered until stock available	1115006888
	Manifold HKV 8 Universal - for 8 tubing loops 1115001259 will be delivered until stock available	1115006889
	Manifold HKV 10 Universal - for 10 tubing loops 1115003487 will be delivered until stock available	1115006891

## MANIFOLDS, ACCESSORIES & FITTINGS













PRODUCT	DESCRIPTION	PART #
<b>Roth 1-1/2" &amp; 2" Copper Manifolds with 3/4" Copper Branches</b>		
	1 1/2" Manifold with 6 Branches	3340012419
	2" Manifold with 6 Branches	3340012429
	1 1/2" End Cap with 1/8" Tap for Vent and 1/2" FIP	3340012329
	2" End Cap with 1/8" Tap for Vent and 1/2" FIP for Drain	3340012339

<b>Roth 3/4" Ball Valves w/Compression Ftg.</b>		
	with Balancing, for 1/2" PEX	3340015113
	no Balancing, for 1/2" PEX	3340015213
	with Balancing; for 5/8" PEX	3340015114
	no Balancing; for 5/8" PEX	3340015214
	with Balancing; for 3/4" PEX	3340015115
	no Balancing; for 3/4" PEX	3340015215

<b>Roth Fitting Assemblies for up to 5/8" PEX Tubing</b>		
	for 3/8" PEX Tubing; bag of 10	1135001410
	for 1/2" PEX Tubing; bag of 10	1150003021
	for 5/8" PEX Tubing; bag of 10	1150003022

<b>Roth PEX Fittings for up to 5/8" Fitting Assemblies</b>		
	Double Nipple (for making PEX to PEX couplings)	1135000930
	Sub-manifold Nipple (for PEX to Manifold Trunk)	1135001028
	Manifold Loop Cap	1135000354
	Transition PEX to 1/2" copper or 3/4" copper	3340013285

**MANIFOLDS, ACCESSORIES & FITTINGS**

PRODUCT	DESCRIPTION	PART #
<b>Roth Manifold branch accessories (spare parts/accessories for HKV/RKV Manifolds)</b>		
	Temperature and Flow Gauge	1135001011
<b>Roth Compression Transition to Copper (for 3/4" and 1" PEX Tubing)</b>		
	3/4" PEX comp x 3/4" fem swt / 1" male swt (bag of 2)	1135002334
	1" PEX comp x 1" fem swt / 1 1/4" male swt (bag of 2)	1135002333
<b>Roth Compression Coupling (heading)</b>		
	1" PEX x 1" PEX	 1135003236
	3/4" PEX x 3/4" PEX	 1135003238
<b>Roth Compression Transitions to Copper (for 40 &amp; 50mm PEX Tubing)</b>		
	40mm PEXc to 1-1/4" male NPT; bag of 2	3340013017
	50mm PEXc to 1-1/2" male NPT; bag of 2	3340013018
<b>Roth Press Couplings (allowed for in-slab installations)</b>		
	3/8" PEX to PEX Coupling; bag of 10	 1135003237
	1/2" PEX to PEX Coupling; bag of 10	1135002338
	5/8" PEX to PEX Coupling; bag of 10	1135002337
	Shrink Sleeve; length of 4' - for up to 10 couplings	3340090020
<b>Roth Press Fitting Assemblies (alternative to Manifold branch hook)</b>		
	1/2" PEX; bag of 10	1135002331
	5/8" PEX; bag of 10	1135002332
<b>Roth Press Tools for Press Couplings and Fitting</b>		
	Press Tool Kit including Tool and Jaws for 1/2" and 5/8"	1135002339
	Jaw's for 3/8"; spare part	 1135003235
	Jaw's for 1/2"; spare part	1135002336
	Jaw's for 5/8"; spare part	1135002335
<b>Roth Manifold Spare Parts</b>		
	Transition G 1" to 3/4" Cup & 1" Copper; bag of 2	1150003020
	Transition G 1" to 1" Cup & 1-1/4" Copper; bag of 2	1135001531
<b>Roth Manifold Add-ons</b>		
	Manifold Valve; with G 1" Union	1135000294
	Manifold Expansion Kit; Type HKV (old style)	1115005292
	Roth G 1" Double Nipple with Lock Nut	1135001562


## MANIFOLDS, ACCESSORIES & FITTINGS


PRODUCT	DESCRIPTION	PART #
<b>Roth Cabinets</b>		
	Small Cabinet - up to 6 loops 22 1/4" w x 29" h x 6" d	1135000249
	Large Cabinet - up to 8 loops 27 1/2" w x 27 3/4" h x 5 1/2" d	1135000250
<b>Roth Recessed Cabinets</b>		
	Recessed Cabinets 24" w x 29" h x 4" d	117001000.0
	Recessed Cabinets 47 3/8" w x 29 1/2" h x 4" d	117001001.0
<b>Roth Manifold Stand</b>		
	Manifold Mounting Bracket for up to 2 Manifold	117046270.2


## ACCESSORIES


PRODUCT	DESCRIPTION	PART #
<b>Roth Radiant Panel System</b>		
	Roth Radiant Panel System For 3/8" Tubing*	1171000.009
	Roth Radiant Panel System For 1/2" Tubing*	1171000.010
	<b>*1 Box consists of the following parts (will cover 96 sq.ft.):</b>	
	<ul style="list-style-type: none"> <li>• 10 2' x 4' Master Panels</li> <li>• 6 Radius Panels</li> <li>• 12 Transition Panels</li> </ul>	
	Roth Radius Panel for 3/8" Tubing**	1171000.008
Roth Radius Panel for 1/2" Tubing**	1171000.011	
<b>**1 Box consists of 10 Radius Panels</b>		
<b>Roth Shunt System</b>		
	Mini Shunt system for 1 loop 1/2" connections	11750001.03
	Dual loop connector for Mini Shunt System	11721000.20
	3 speed Shunt System 2-8gpm 3/4" connections (no controls)	1171000.001
	3 speed Shunt System 6-12gpm 1" connections (no controls)	1171000.002


**ACCESSORIES**



PRODUCT	DESCRIPTION	PART #
<b>Roth Crimp Fittings</b>		
	Female Sweat Adapter 3/4" PEX to 3/4" CU; bag of 10	3350424664
	Female Sweat Adapter 1" PEX to 1" CU; bag of 10	3350525665
	3/4" Crimp Rings- bag of 100	3350404370
	1" Crimp Rings- bag of 25	3350505370
	3/4" Crimp Tool	3350404770
	1" Crimp Tool	3350505770

<b>Roth System Accessories</b>		
	Roth Pressure Tester	3340045214

<b>Roth Automatic Air Eliminators</b>		
	1/2" Spiro Top	3340094253
	Spirovent Junior 3/4" Female NPT	3340094255
	Spirovent Junior 1" Female NPT with 1/2" tank mount	3340094256
	Spirovent Junior 1-1/4" Female NPT with 1/2" tank mount	3340094257
	Spirovent Junior 1-1/2" Female NPT with 1/2" tank mount	3340094258

<b>Roth Bend Supports</b>		
	Roth Plastic Bend Support for 3/8" - 5/8" ;bag of 10	3340032104
	Roth Plastic Bend Support for 3/4"; bag of 10	3350363411
	Roth Plastic Bend Support for 1"; bag of 10	3350464411
	Roth Metal Bend Support for 3/8" & 1/2"; bag of 10	3340032303
	Roth Metal Bend Support for 5/8"; bag of 10	3340032304
	Roth Metal Bend Support for 3/8"; bag of 10	3340032302

<b>Roth Tools For PEXc Tubing</b>		
	Roth Compact Tubing Uncoiler	3340095316
	Tubing Cutter for 3/8" tp 1" PEX	3350505380
	Spare Blade	3350505390

	ROTH Infrared Thermometer		3340001000
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## ACCESSORIES

PRODUCT	DESCRIPTION	PART #
<b>Roth Heat Transfer Panels</b>		
	50 Roth Single-Grove Omega Plates 5" x 24"	3340034133
	50 Roth Double-Grove Omega Plates 13" x 24"	3340034233
	32 Roth Thermo-Fin Panels; Type C for 1/2" PEX 4'	3340034333
	32 Roth Thermo-Fin Panels; Type C for 3/8" PEX 4'	3340034332
	Roth Hole Punch Kit (use on T-Fin)	3340031111







### Roth Tubing Fasteners

	Twin Fastner for up to 3/4"; box of 100	3350304850
	Tubing Fastner for 1"; box of 50	3350509845
	Roth Plastic Ties; bag of 100	1135000364
	Roth Octa Rail for 3/8", 1/2", 5/8", 3/4" PEX Tubing, 30 pcs per box	3340030123
	Roth Original -Tacker (Tacker counter weight included)	1115001344
	Tacker Counter Weight	3340021033
	300 Roth Tacker Clips 1-1/2" long for 1/2" or 5/8" PEX	1135000254
	300 Roth Tacker Clips 1" long for 1/2" or 5/8" PEX	1135000255
	Compressed air Staple Gun complete with front/rear blocks & walking stick	3340098314
	Box of 10,000 staples; 1-1/4"	3340025124
	Box of 1,666 staples; 1-1/4"	3340025224
	Small Hex Wrench	3340020026
Large Hex Wrench	3340020027	
Fitting Wrench provides easier access to compression nut	3340020023	





### Roth 4-way Mixing Valves V4R and their Operators

	3/4" Sweat S-020	3340074165
	1" Sweat S-024	3340074166
	1 1/4" Sweat S-032	3340075167
	1 1/2" NPT Threads G 438	3340075168
	2" NPT Threads G 451	3340075169



**ACCESSORIES**





PRODUCT	DESCRIPTION	PART #
<b>Roth Thermo-Mechanical Mixing Valves and Bypass Valve</b>		
	Aquamix R; 1"; constant water temperature (range 80-160 °F)	3340073356
	Injection Valve 3/4"	3340053075
	Injection Valve 1"	3340053076
	Injection Valve Controller with capillar sensor	3340084016
	Roth Differential Pressure By-pass valve; (3/4" Union Male NPT)	3340052155
	Roth Differential Pressure By-pass valve; (1" Union Male NPT)	3340052156






**CONTROLS**


PRODUCT	DESCRIPTION	PART #
<b>Roth Electrical Components</b>		
	Roth Electronic Thermostat - Heat & AC	3340065174
	Roth Electronic Thermostat - Heat only	3340065274
	Transformer, 40 VA	3340067162
	Roth Zone Control Plus (Replaced Roth 6-zone valve control w/priority)	3340066275
	Roth Pump Control Plus for up to 6 pumps (4 relays inc.)	3340067274
	Spare or additional relay for above	3340068160



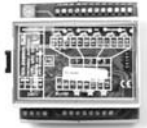



**Roth Valve Actuators for HK and HKV Manifolds, and Zone Valve without Actuator**









	Valve Actuator with End Switch (4-wire)	3340055154
	Thermal Valve Actuator with End Switch (4-wire)	3340055354

<b>CONTROLS</b>		
PRODUCT	DESCRIPTION	PART #
<b>Roth Zone Valves</b>		
	Zone Valve with End Switch (4-wire); 3/4"	3340055115
	Zone Valve with End Switch (4-wire); 1"	3340055116
	Zone Valve without Actuator; 3/4"	3340055215
	Zone Valve without Actuator; 1"	3340055216
	Adapter; apply when thermal valve actuator is used	3340055454
<b>Roth 4-way Mixing Valves V4R and their Operators</b>		
	Actuator VM 62	3340065288
	Actuator TC 62 D equipped with outdoor reset control	3340065188
	Room sensor for TC 62 D	3340065188R
<b>Roth Controls</b>		
	Roth Hydronic System Control 1050	3340085070
	Snowmelt Enable Kit 092	3340083000
	Automatic Snowmelt Control T662	3340087575
	Snow/Ice Sensor T090	3340046120
	Sensor Socket T091	3340035150
	One Stage Set-Point Control T-150	3340086374
	Universal Temperature Sensor T071	3340043125
Slab Temperature Sensor	3340044125	

MULTITHERM		
PRODUCT	DESCRIPTION	PART #
<b>Roth MultiTherm Manifold parts</b>		
	Manifold MT3; for three tubing loops	3340420918
	Manifold MT4; for four tubing loops	3340420919
	Manifold MT5; for five tubing loops	3340420920
	Manifold Mounting & Accessories Kit (use one per Manifold location Left Hand)	3340420371
	Manifold Mounting & Accessories Kit (use one per Manifold location Right Hand)	3340420372
	Manifold Loop Supply Nipple (one per loop required)	3340421003
	Manifold Valve Actuator (one per loop required)	3340420978

<b>Roth Fitting Assemblies</b>		
	For 3/8 in. PEX Tubing; bag of 10	1135001410
	For 1/2 in. PEX Tubing; bag of 10	1150003021
	For 5/8 in. PEX Tubing; bag of 10	1150003022

<b>Roth Controls</b>		
	MultiTherm Central Unit (use one per project)	3340420922
	MultiTherm Base Module : serves up to 4 Circuit Modules (use one per Manifold location)	3340420923
	MultiTherm Circuit Module : serves 3 Channels (use one for first 2 loops plus one per subsequent 3)	3340420924
	DIN Mounting Rail (one for each Base Module)	3340420985
	MultiTherm Room Sensor (one per Room)	3340420926
	Room Sensor Mountin Plate (optional)	3340420987

<b>MULTITHERM</b>		
PRODUCT	DESCRIPTION	PART #
<b>Roth Controls (cont.)</b>		
	MultiTherm Slab/Bulb Sensor (optional - in place of room sensor)	1175000.000
	MultiTherm Loop Supply Sensor (one per Loop)	3340420927
	MultiTherm Mains Supply/Return Sensor (use two per MultiTherm Circuit Pump)	3340420928
<b>Roth MultiTherm Variable Speed Pumps</b>		
	UP15-42F/VS	3340063016
	UP26-96F/VS	3340063017
<b>Roth Spare Parts to MultiTherm Manifolds</b>		
	Manifold connection Pin; bag of 10	3340421030
	Manifold Set Screw; bag of 10	3340421031
	O-ring for Supply Manifold; bag of 10	3340421032
	O-ring for Return Manifold; bag of 10	3340421033



## ROTH HEATING SYSTEMS – WARRANTY CERTIFICATE

### LIMITED WARRANTY WARRANTY CERTIFICATE ROTH HEATING SYSTEMS

Roth Industries, Inc., warrants to its "clients" that the Roth PEX-tubing and other components listed in this publication, used for Roth Radiant Heating applications, sold hereunder shall be free from defects in material and workmanship, and that the components will conform to the specifications stated in the Roth Product and Design Manual (1180001013). This Limited Warranty shall expire twenty-five (25) years for the Roth PEX-tubing, and two (2) years for the other components described in this publication and used for radiant heating applications from date of shipment by Roth Industries, Inc., unless otherwise specified in writing. Roth Industries, Inc., further warrants that products listed are compatible with each other but, at the same time, we disclaim warranty for claims related to compatibility with non-Roth products.

Components sold under this Limited Warranty must (1) be selected, designed, and installed according to the instructions in the Roth Product and Design Manual (1180001013) using appropriate trade workmanship and according to the local building code(s), (2) remain in their originally installed location, (3) are connected to appropriate water and power supplies, (4) show no evidence of tampering, mishandling, neglect, accidental damage, modification or repair without the approval of Roth Industries, Inc., or damage done to the product by anyone other than Roth Industries, Inc.

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This Limited Warranty and any claims arising from the breach of warranty, or any other claim arising hereunder, shall be governed and construed under the laws of the State of Delaware. No other persons than Roth Industries, Inc., employees have any expressed or implied authority to bind Roth Industries, Inc., to any agreement or warranty of any kind without the express written consent of Roth, Industries, Inc.


#### **Disclaimer of Warranties:**

ROTH INDUSTRIES, INC., DISCLAIMS ANY WARRANTY NOT PROVIDED HEREIN INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. IT IS EXPRESSLY UNDERSTOOD THAT ROTH INDUSTRIES, INC., IS NOT RESPONSIBLE FOR ANY CONSEQUENTIAL OR OTHER DAMAGES THAT MAY ARISE FROM USING ROTH INDUSTRIES, INC., SYSTEM COMPONENTS. DAMAGE RESULTING FROM WATER FREEZING IN THE TUBING DOES NOT CONSTITUTE A DEFECT IN MATERIAL OR WORKMANSHIP, AND SHALL NOT BE COVERED BY THIS WARRANTY. ROTH-TUBING MAY NOT BE STORED IN DIRECT SUNLIGHT FOR ANY PERIOD LONGER THAN THREE WEEKS, OR THIS LIMITED WARRANTY BECOMES INVALID. ROTH INDUSTRIES, INC., DISCLAIMS ANY STATUTORY OR IMPLIED WARRANTY OF HABITABILITY. ROTH INDUSTRIES, INC., FURTHER DISCLAIMS ANY RESPONSIBILITY FOR LOSSES, EXPENSES, INCONVENIENCES, SPECIAL, INDIRECT, SECONDARY, INCIDENTAL, OR CONSEQUENTIAL DAMAGES ARISING FROM OWNERSHIP OR USE OF THE ARTICLES SOLD HEREUNDER.


THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE FACE HEREOF.


**TUBING AND MANIFOLD**

PRODUCT	DESCRIPTION	PART #
<b>Roth PEXc Tubing with UPC Shield and NSF-pw mark</b>		
	3/8"; Coil of 100 ft.; red marking	<b>NEW</b> 1342120008
	3/8"; Coil of 100 ft.; blue marking	<b>NEW</b> 1342120007
	3/8"; Coil of 300 ft.; red marking	1342120003
	3/8"; Coil of 300 ft.; blue marking	1342120005
	3/8"; Coil of 1,000 ft.; red marking	1342120300
	3/8"; Coil of 1,000 ft.; blue marking	1342120301
	1/2"; Coil of 100 ft.; red marking	<b>NEW</b> 1342150011
	1/2"; Coil of 100 ft.; blue marking	<b>NEW</b> 1342150010
	1/2"; Coil of 300 ft.; red marking	1342150002
	1/2"; Coil of 300 ft.; blue marking	1342150004
	1/2"; Coil of 1,000 ft.; red marking	1342150302
	1/2"; Coil of 1,000 ft.; blue marking	1342150303
	1/2"; Box of 10 x 20 ft.; red marking	1342150001
	1/2"; Box of 10 x 20 ft.; blue marking	1342150003
	3/4"; Coil of 100 ft.; red marking	<b>NEW</b> 1342220012
	3/4"; Coil of 100 ft.; blue marking	<b>NEW</b> 1342220011
	3/4"; Coil of 300 ft.; red marking	1342220005
	3/4"; Coil of 300 ft.; blue marking	1342220007
	3/4"; Box of 10 x 20 ft.; red marking	1342220004
	3/4"; Box of 10 x 20 ft.; blue marking	1342220006
	1"; Coil of 100 ft.; red marking	<b>NEW</b> 1342280008
	1"; Coil of 100 ft.; blue marking	<b>NEW</b> 1342280009
	1" ; Coil of 300 ft.; red marking	1342280005
	1" ; Coil of 300 ft.; blue marking	1342280007
	1" ; Box of 8 x 20 ft.; red marking	1342280004
	1" ; Box of 8 x 20 ft.; blue marking	1342280006


<b>Roth 1" Manifold; spun closed and with 3/4" insert</b>		
	with 4 branches having 1/2" ball valves and 1/2" inserts for PEX	3350463040
	with 6 branches having 1/2" ball valves and 1/2" inserts for PEX	3350463060
	with 8 branches having 1/2" ball valves and 1/2" inserts for PEX	3350463080
	with 10 branches having 1/2" ball valves and 1/2" inserts for PEX	3350463100
	with 12 branches having 1/2" ball valves and 1/2" inserts for PEX	3350463120
	with 4 branches having 1/2" ball valves and 3/8" inserts for PEX	3350462040
	with 6 branches having 1/2" ball valves and 3/8" inserts for PEX	3350462060
	with 8 branches having 1/2" ball valves and 3/8" inserts for PEX	3350462080
	with 10 branches having 1/2" ball valves and 3/8" inserts for PEX	3350462100
	with 12 branches having 1/2" ball valves and 3/8" inserts for PEX	3350462120


## TUBING AND MANIFOLD


PRODUCT	DESCRIPTION	PART #
<b>Roth 1" Manifold Block; male &amp; female ends</b>		
	with 3 branches having 1/2" inserts for PEX	3350553035
	with 4 branches having 1/2" inserts for PEX	3350553045
	with 5 branches having 1/2" inserts for PEX	3350553055
	with 2 branches having 3/8" inserts for PEX	3350552025
	with 3 branches having 3/8" inserts for PEX	3350552035
	with 4 branches having 3/8" inserts for PEX	3350552045


<b>Roth 1" Manifold; spun closed and with 3/4" insert</b>		
	with 4 branches having 1/2" inserts for PEX	3350453040
	with 6 branches having 1/2" inserts for PEX	3350453060
	with 8 branches having 1/2" inserts for PEX	3350453080
	with 10 branches having 1/2" inserts for PEX	3350453100
	with 12 branches having 1/2" inserts for PEX	3350453120
	with 4 branches having 3/8" inserts for PEX	3350452040
	with 6 branches having 3/8" inserts for PEX	3350452060
	with 8 branches having 3/8" inserts for PEX	3350452080
	with 10 branches having 3/8" inserts for PEX	3350452100
	with 12 branches having 3/8" inserts for PEX	3350452120

## FITTINGS




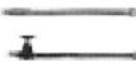


PRODUCT	DESCRIPTION	PART #
<b>Roth PEX inserts to Faucet connectors</b>		
	1/2" PEX to 1/2" straight 1 5/16" bag of 10	3350343663
	1/2" PEX to 1/2" elbow 1 1/2" x 1 1/2" bag of 10	3350363663

<b>Roth PEX insert Elbow to sweat tub</b>		
	3/8" PEX to 1/2" CU 4" up x 3" wide bag of 10	3350223633
	1/2" PEX to 1/2" CU 6" up x 3" wide bag of 10	3350323633
	3/4" PEX to 3/4" CU 6" up x 4" wide bag of 10	3350424634

<b>Roth PEX insert to Frost-proof Sillcock</b>		
	1/2" PEX; box with 2 units 6"	3350383063
	1/2" PEX; box with 2 units 12"	3350383123

<b>Roth PEX insert to Stub-out Elbow (closed end)</b>		
	3/8" PEX to 1/2" CU 3 1/2" up x 6" wide bag of 10	3350263630
	1/2" PEX to 1/2" CU 3 1/2" up x 8" wide bag of 10	3350363637

## FITTINGS








PRODUCT	DESCRIPTION	PART #
<b>Roth PEX insert to Stub-out Elbow w/ mount plate</b>		
	1/2" PEX to 1/2" CU 3 1/2" up x 8" wide bag of 10	3350363640
<b>Roth PEX insert in-line valves</b>		
	1/2" PEX ball valve bag of 10	3350373273
	3/4" PEX ball valve bag of 10	3350474274
<b>Roth PEX insert service loop w/200 WOG gate valves</b>		
	3/4" PEX x 3/4" PEX 15" high x 6 3/4" wide	3350494284
	1" PEX x 1" PEX 15" high x 7 1/2" wide	3350595285
<b>Roth 3/4" PEX insert to 3/4" female swivel IP thread</b>		
	Flexible connector 18"	3350484124
	3/4" PEX x 3/4" FIP Swivel Connector	3350484294
	<b>Roth Infra-red Thermometer</b>	 3340001000

## FITTINGS ASTM/F-1807

PRODUCT	DESCRIPTION	PART #
<b>Roth PEX TEES (F-1807)</b>		
	3/8"X 3/8"X 3/8" barb, bag of 10	3350242033
	3/8"X 3/8"X 1/2" barb, bag of 10	3350242034
	1/2"X 3/8"X 3/8" barb, bag of 10	3350343035
	1/2"X 3/8"X 1/2" barb, bag of 10	3350343036
	1/2"X 1/2"X 3/8" barb, bag of 10	3350343037
	1/2"X 1/2"X 1/2" barb, bag of 10	3350343038
	1/2"X 1/2"X 3/4" barb, bag of 10	3350343039
	3/4"X 1/2"X 1/2" barb, bag of 10	3350443035
	3/4"X 1/2"X 3/4" barb, bag of 10	3350443036
	3/4"X 3/4"X 1/2" barb, bag of 10	3350443037
	3/4"X 3/4"X 3/4" barb, bag of 10	3350444036
	3/4"X 3/4"X 1" barb, bag of 10	3350444037
	1"X 3/4"X 3/4" barb, bag of 10	3350544035
	1"X 1"X 1/2" barb, bag of 10	3350545036
	1"X 1"X 3/4" barb, bag of 10	3350545037
	1"X 1"X 1" barb, bag of 10	3350545038


FITTINGS ASTM/F-1807		
PRODUCT	DESCRIPTION	PART #
<b>Roth PEX ELBOWS (F-1807)</b>		
	3/8" X 3/8" barb, bag of 10	3350262023
	1/2" X 1/2" barb, bag of 10	3350363024
	3/4" X 3/4" barb, bag of 10	3350464025
	1" X 1" barb, bag of 10	3350565026
	Male elbow 1/2" barb X 1/2" MPT, bag of 10	3350364026
	Male elbow 1 1/2" barb X 3/4" MPT, bag of 10	3350363027
	Male elbow 1 3/4" barb X 3/4" MPT, bag of 10	3350464026
	Drop Ear elbow 1/2" barb X 1/2" FPT, bag of 10	3350263863
	Drop Ear elbow 3/4" barb X 3/4" FPT, bag of 10	3350463864
	Male elbow 1/2" MPT X 3/8" MPT, bag of 10	3350364022
	Male elbow 1/2" MPT X 1/2" MPT, bag of 10	3350364023
	<b>Roth PEX TRANSITIONAL (F-1807)</b>	
	3/8" O.D. PEX X 3/8" O.D. PB	3350242021
	1/2" O.D. PEX X 1/2" O.D. PB	3350343022
	3/4" O.D. PEX X 3/4" O.D. PB	3350444022
<b>Roth PEX COUPLINGS (F-1807)</b>		
	3/8" barb, bag of 10	3350242023
	1/2" barb, bag of 10	3350343024
	3/4" barb X 1/2" barb, bag of 10	3350444023
	3/4" barb, bag of 10	3350444025
	1" barb X 3/4" barb, bag of 10	3350545024
	1" barb, bag of 10	3350545026
<b>Roth PEX BULKHEAD (F-1807)</b>		
	1/2" barb X 1/2" MPT	3350332660
<b>Roth PEX WATER HEATER (F-1807)</b>		
	3/4" MPT x 3/4" barb – 18", set of 2	3350483923
	3/4" FPT (Brass Nut) x 3/4" barb – 18", set of 2	3350483924
	3/4" MPT x 3/4" barb – 24", set of 2	3350484023
	3/4" FPT (Brass Nut) x 3/4" barb – 24", set of 2	3350484024
<b>Roth FEMALE SWIVEL ADAPTERS &amp; NON SWIVEL ADAPTERS (F-1807)</b>		
	3/8" barb x 1/2" FPT Female Swivel Adapter, bag of 10	3350332663
	1/2" barb x 1/2" FPT Female Swivel Adapter, bag of 10	3350332673
	1/2" barb x 3/4" FPT Female Swivel Adapter, bag of 10	3350332773
	3/4" barb x 3/4" FPT Female Swivel Adapter, bag of 10	3350332784
	1/2" barb x 1/2" FPT Non Swivel Adapter, bag of 10	3350335663
	1/2" barb x 3/4" FPT Non Swivel Adapter, bag of 10	3350335673
	3/4" barb x 3/4" FPT Non Swivel Adapter, bag of 10	3350335684

**FITTINGS ASTM/F-1807**



PRODUCT	DESCRIPTION	PART #
<b>Roth FEMALE-FLARE (F-1807)</b>		
	3/8" barb x 3/8" Flare, Female Swivel Adapter, bag of 10	3350435672
	1/2" barb x 3/8" Flare, Female Swivel Adapter, bag of 10	3350435673
<b>Roth SWIVEL ELBOWS (F-1807)</b>		
	3/8" barb x 1/2" FPT, Female Swivel Elbow, bag of 10	3350565122
	1/2" barb x 1/2" FPT, Female Swivel Elbow, bag of 10	3350565123
<b>Roth MALE BRANCH TEES (1807)</b>		
	1/2" barb x 1/2" barb X 1/2" MPT, bag of 10	3350545133
	3/4" barb x 3/4" barb X 1/2" MPT, bag of 10	3350545144
<b>Roth MALE ADAPTERS (1807)</b>		
	3/8" barb x 1/2" MPT, bag of 10	3350535755
	1/2" barb x 1/2" MPT, bag of 10	3350535756
	1/2" barb x 3/4" MPT, bag of 10	3350535757
	3/4" barb x 1/2" MPT, bag of 10	3350535765
	3/4" barb x 3/4" MPT, bag of 10	3350535766
	3/4" barb x 1" MPT, bag of 10	3350535767
	1" barb x 3/4" MPT, bag of 10	3350535775
	1" barb x 1" MPT, bag of 10	3350535776
<b>Roth PEX SWEAT ADAPTERS (F-1807)</b>		
	3/8" barb x 1/2" Sweat, bag of 10	3350534437
	1/2" barb x 1/2" Male Sweat, bag of 10	3350534438
	3/4" barb x 3/4" Male Sweat, bag of 10	3350534539
	1" barb x 1" Male Sweat, bag of 10	3350534540
	1/2" barb x 1/2" Female Sweat, bag of 10	3350534550
	3/4" barb x 3/4" Female Sweat, bag of 10	3350534560
	1" barb x 1" female Sweat, bag of 10	<b>NEW</b> 3350834570
<b>Roth PEX PLUGS (F-1807)</b>		
	Plug 3/8", bag of 10	3350202210
	Plug 1/2", bag of 10	3350202220
	Plug 3/4", bag of 10	3350202230
	Plug 1", bag of 10	<b>NEW</b> 3350202240
<b>Roth PEX BARBED STOPS (F-1807)</b>		
	Chrome 1/2" barb x 3/8" O.D. Comp. Angle Stop	3350373274
	Chrome 1/2" barb x 3/8" O.D. Comp. Straight Stop	3350373275
	Brass Straight Stop Valve 3/8" barb x 3/8" barb	3350373276
	Brass Straight Stop Valve 1/2" barb x 1/2" MPT	3350373277
	Brass Straight Stop Valve 1/2" barb x 3/8" barb	3350373278
	Brass Straight Stop Valve 1/2" barb x 1/2" barb	3350373279


## TOOLS

PRODUCT	DESCRIPTION	PART #
<b>Roth PEX Crimp Tool • WHILE SUPPLIES LAST •</b>		
	For 3/8" PEX	3350202770
	For 1/2" PEX	3350303770
	For 3/4" PEX	3350404770
	For 1" PEX	3350505770


<b>Roth PEX Compact Crimp Tool • WHILE SUPPLIES LAST •</b>		
	For 3/8" PEX	3350212770
	For 1/2" PEX	3350313770
	For 3/4" PEX	3350414770


<b>Roth Crimp Rings • WHILE SUPPLIES LAST •</b>		
	3/8" PEX; bag of 100	3350202370
	1/2" PEX; bag of 100	3350303370
	3/4" PEX; bag of 100	3350404370
	1" PEX; bag of 25	3350505370

<b>Roth HDSS Clamp </b>		
	3/8" HDSS Pex Clamp, bag of 100	3350303373
	1/2" HDSS Pex Clamp, bag of 100	3350303371
	3/4" HDSS Pex Clamp, bag of 100	3350303372
	1" HDSS Pex Clamp, bag of 100	3350303374
	Clamp Tool	3350505771




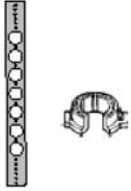



<b>Roth Tubing Cutter</b>		
	For 3/8" - 1" PEX	3350505380
	Spare blade	3350505390

## FASTENERS AND ACCESSORIES

PRODUCT	DESCRIPTION	PART #
<b>Roth Tubing Fastener with pre-loaded nail</b>		
	For 3/8"; bag of 100	3350206840
	For 1/2"; bag of 100	3350307840
	For 3/4"; bag of 100	3350408840
	For 1"; bag of 50	3350509845
	Twin 1/2 & 3/4"; 100	3350304850

<b>Roth Plastic Ties</b>		
	Bag of 100	1135000364

## FASTENERS AND ACCESSORIES

PRODUCT	DESCRIPTION	PART #
<b>Roth Bend Supports</b>		
	Roth Bend Support for 3/8", 1/2" & 5/8"; bag of 10	3340032104
	Roth Bend Support for 3/4"; bag of 10	3350363411
	Roth Bend Support for 1"; bag of 10	3350464411
	Roth Metal Bend Support for 3/8" & 1/2"; bag of 10	3340032303
	Roth Metal Bend w/Mount plate for 3/8" & 1/2"; bag of 10	3350363421
<b>Roth Stud Guards</b>		
	1 1/2" x 3" - 18 gauge Steel Guard; bag of 10	3350896003
	1 1/2" x 6" - 18 gauge Steel Guard; bag of 10	3350896006
<b>Roth Stud Shoe</b>		
	18 gauge Steel Guard providing a 2" opening; bag of 10	3350996002
<b>Roth galvanized Stud Bracket</b>		
	14 gauge Steel Support 2" x 20"; 7 holes for Grommets, each	3350996070
	Grommets for 1/2" PEX; bag of 10	3350796030
	Grommets for 3/4" PEX; bag of 10	3350796040
	Grommets for 1" PEX; bag of 10	3350796050
<b>Roth PEX Tubing Insulator; hole of 1 3/8" required</b>		
	For 1/2" PEX; bag of 10	3350796130
	For 3/4" PEX; bag of 10	3350796140
	For 1" PEX; bag of 10	3350796150
<b>Roth chromated ABS Escutcheon, split</b>		
	For 1/2" PEX; bag of 12	3350796230
	For 3/4" PEX; bag of 12	3350796240
<b>Roth nickel plated Sleeve, 12"</b>		
	For 1/2" PEX	3350796330
	For 3/4" PEX	3350796340

## ROTH PLUMBING SYSTEMS – WARRANTY CERTIFICATE

### LIMITED WARRANTY WARRANTY CERTIFICATE ROTH PLUMBING SYSTEMS

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Roth's success is the result of product flexibility, targeted investments and theme-oriented solutions. Our growth stems from continuous research and the development of new and innovative products. The keys to our success in manufacturing include know-how, modern production sites and equipment, the very latest production technologies, and highly motivated personnel.



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