



SUSTAINABLE BUILDING TECHNOLOGY

2018 Product Catalog



REHAU ACADEMY

Training Promotes Best Practices

The **REHAU Academy** training program offers you the skills to design and install REHAU products professionally. We aim to push the boundaries of energy efficiency and integrate the best ways to communicate the premium value of our products to your customers. REHAU Academy is not just pipe, valve and fitting training!

REHAU Academy is the central knowledge institute supporting REHAU solutions for high-performance building, with first-class presenters providing classroom instruction, hands-on technical training, lunch and learn seminars and online e-learning programs. REHAU Academy conveys crucial product information and relevant industry experience for a competitive edge.



About the Trainers

REHAU Academy is staffed with experts in REHAU product technologies and their applications in the built environment, including product development engineers, standards specialists, controls experts and technical sales engineers. Our team of presenters includes professionals with academic and practical experience, trained to deliver the information you need to know.

Training Materials

At most seminars, attendees receive a seminar binder with a copy of the presentation. Some seminars provide additional reference materials, such as catalogs and design guides.

Training Locations

REHAU Academy trainers can present virtually anywhere — at our permanent training locations, at customer locations or in convenient hotel meeting rooms. REHAU Academy facilities are located in:

- Leesburg, Virginia
- Cullman, Alabama
- Burlington, Ontario
- Minneapolis, Minnesota

Who Should Attend

- Installers
- Engineers
- Distributors
- Architects
- Designers
- AIA CES Registered
- Builders

Registration for Seminars

New seminars are planned each month. Many seminars are planned in cooperation with REHAU distributors and partners.

Visit na.rehau.com/academy for upcoming training dates and locations, or to request a seminar.

REHAU EDGESM

The Contractor Development Program That Builds Your Business

REHAU EDGE encourages all aspects of your business growth through training, product and tool incentives, design services, brand merchandise and local, regional and national events.



Join today!
No membership fee.
No minimum
purchase required.

REHAU EDGE is the ultimate connection that brings the entire team and channel partners together in active cooperation and communication to ensure that everyone moves in a direction that supports your business development.

- Team Events
- Design Services
- Product and Tool Incentives
- REHAU Academy Seminars
- Branded Merchandise
- VIP Events

Who Is Eligible?

All contractors installing REHAU PEXa systems in the US and Canada are eligible to join REHAU EDGE. There are no membership fees and no minimum purchase is required. All you have to do is complete and submit an application by visiting our website at edge.rehau.com

REHAU ENGINEERING SERVICES

Broaden Your Expertise

REHAU Engineering Services work directly with architects, engineers, design-build contractors and owners to establish details, specifications and system requirements prior to the project going out to bid.

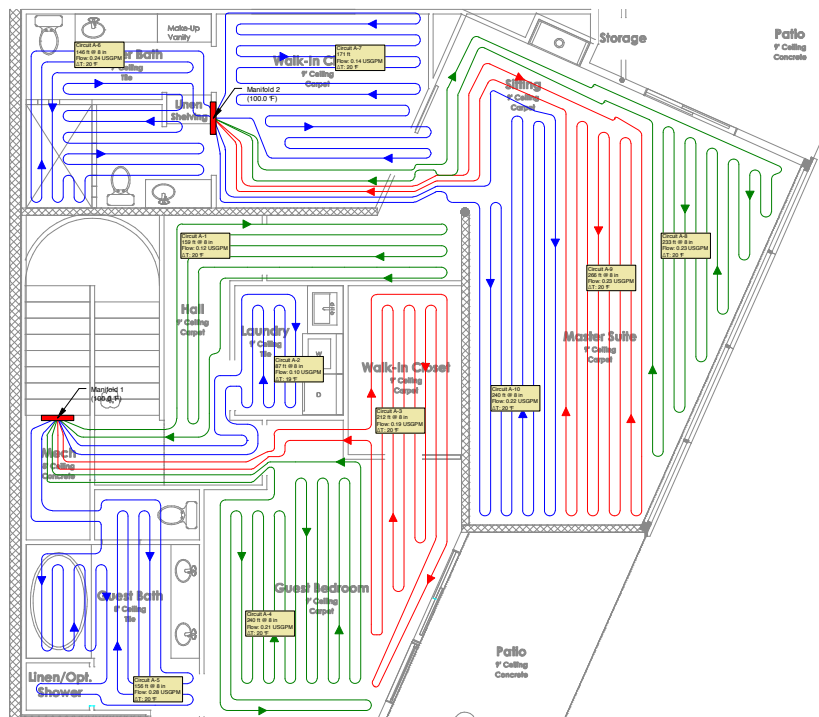
By working with these stakeholders during the planning phases of a project, REHAU can help reduce project changes that occur after the project bid has been awarded. REHAU takes into account the floor construction, design set points and ASHRAE standards to help develop designs for job-specific requirements.

REHAU LoopCAD® creates professional pipe layout drawings for systems including RAUPEX® radiant heating and snow and ice melting and configurations incorporating RAUPANEL™, RAUBOARD™ and RAUPLATE™ radiant heating technologies. REHAU LoopCAD Non-Graphical offers quick room-by-room data entry, calculating building heat loss, radiant panel outputs and a materials list.

REHAU Design Services provide the customer with detailed color drawings of geothermal, radiant or snow and ice melting applications engineered to maximize efficiency and help reduce labor and material costs. Often times, REHAU can help consolidate manifolds, reduce distribution piping and speed installation through our custom designs.

REHAU Design Services include:

- Piping Layouts
- Plumbing Submittal Drawings & Packages
- Radiant Design
- Radiant System Capacities
- Geothermal Design



REHAU BIM Library offers a directory of drawings, easy to download into an active design. BIM files offer efficiencies to project owners through ease of collaboration. REHAU BIM library offers models of core products including pipe, fittings, manifolds and installation accessories - available for immediate download.

Request design
services
na.rehau.com/design

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EVERLOC+™ PEXa PLUMBING SYSTEM

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NSF
NSF-PW/G
CSA B137.5



ASTM
F877



For updates to this publication and the most current technical instructions, safety information and manufacturer's recommendations, visit na.rehau.com/resourcecenter

1. RAUPEX UV SHIELD PIPE

RAUPEX UV shield pipe is manufactured using REHAU's high-pressure peroxide method for crosslinked polyethylene (PEXa). RAUPEX UV shield pipe has a co-extruded PE shield that protects the pipe against ultraviolet light (sunlight) for one year. All RAUPEX UV shield pipe meets or exceeds the requirements of ASTM F876, CSA B137.5 and PPI TR-3 and is certified to NSF Standards 14/61. RAUPEX UV shield pipe is manufactured in the USA by REHAU in a plant using a quality management system that is certified to ISO 9001.

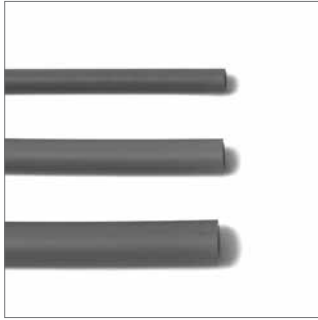
RAUPEX UV Shield pipe is specifically designed for use with the EVERLOC+ compression-sleeve system certified to ASTM F877. See *Technical Bulletin 261* for other compatible PEX fitting systems.



1/2 in. RAUPEX Red UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight kg lb		Minimum Order
235351-102	1/2 in. RAUPEX Red UV Shield Pipe 100 ft coil (30.5 m)	100 ft	2.6	5.8	1 coil
235351-302	1/2 in. RAUPEX Red UV Shield Pipe 300 ft coil (91.4 m)	300 ft	7.8	17.2	1 coil
235351-502	1/2 in. RAUPEX Red UV Shield Pipe 500 ft coil (152.4 m)	500 ft	13.1	28.9	1 coil
235351-002	1/2 in. RAUPEX Red UV Shield Pipe 1000 ft coil (304.8 m)	1000 ft	26.3	57.9	1 coil
235351-152	1/2 in. RAUPEX Red UV Shield Pipe 500 ft (152.4 m)	5 (100 ft) coils/box	13.1	28.9	1 box
235351-352	1/2 in. RAUPEX Red UV Shield Pipe 1500 ft (457.2 m)	5 (300 ft) coils/box	41.1	90.5	1 box

3/4 in. RAUPEX Red UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight kg lb		Minimum Order
235371-102	3/4 in. RAUPEX Red UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	4.9	10.9	1 coil
235371-302	3/4 in. RAUPEX Red UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	14.7	32.3	1 coil
235371-502	3/4 in. RAUPEX Red UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	24.6	54.3	1 coil
235371-152	3/4 in. RAUPEX Red UV Shield Pipe, 500 ft (152.4 m)	5 (100 ft) coils/box	24.6	54.3	1 box

1 in. RAUPEX Red UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight kg lb		Minimum Order
235381-102	1 in. RAUPEX Red UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	7.9	17.5	1 coil
235381-302	1 in. RAUPEX Red UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	23.8	52.4	1 coil
235381-502	1 in. RAUPEX Red UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	39.7	87.5	1 coil



20 ft Straight Lengths RAUPEX Red UV Shield Pipe					
Article No.	Description	Package Quantity Bag	Unit Weight kg	Unit Weight lb	Minimum Order
235351-022	1/2 in. RAUPEX Red UV Shield Pipe, 20 ft (6.1 m)	50 pcs (1000 ft)	0.5	1.2	1 bag
235371-022	3/4 in. RAUPEX Red UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.0	2.2	1 bag
235381-022	1 in. RAUPEX Red UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.6	3.5	1 bag

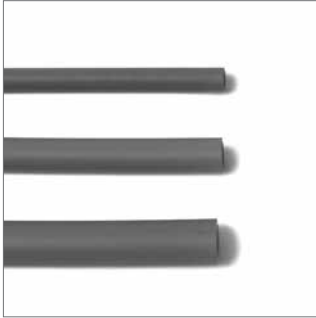
Straight lengths are packaged in a single outer bag.



1/2 in. RAUPEX Blue UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
235351-101	1/2 in. RAUPEX Blue UV Shield Pipe 100 ft coil (30.5 m)	100 ft	2.6	5.8	1 coil
235351-301	1/2 in. RAUPEX Blue UV Shield Pipe 300 ft coil (91.4 m)	300 ft	7.8	17.2	1 coil
235351-501	1/2 in. RAUPEX Blue UV Shield Pipe 500 ft coil (152.4 m)	500 ft	13.1	28.9	1 coil
235351-001	1/2 in. RAUPEX Blue UV Shield Pipe 1000 ft coil (304.8 m)	1000 ft	26.3	57.9	1 coil
235351-151	1/2 in. RAUPEX Blue UV Shield Pipe 500 ft (152.4 m)	5 (100 ft) coils/box	13.1	28.9	1 box
235351-351	1/2 in. RAUPEX Blue UV Shield Pipe 1500 ft (457.2 m)	5 (300 ft) coils/box	41.1	90.5	1 box

3/4 in. RAUPEX Blue UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
235371-101	3/4 in. RAUPEX Blue UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	4.9	10.9	1 coil
235371-301	3/4 in. RAUPEX Blue UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	14.7	32.3	1 coil
235371-501	3/4 in. RAUPEX Blue UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	24.6	54.3	1 coil
235371-151	3/4 in. RAUPEX Blue UV Shield Pipe, 500 ft (152.4 m)	5 (100 ft) coils/box	24.6	54.3	1 box

1 in. RAUPEX Blue UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
235381-101	1 in. RAUPEX Blue UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	7.9	17.5	1 coil
235381-301	1 in. RAUPEX Blue UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	23.8	52.4	1 coil
235381-501	1 in. RAUPEX Blue UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	39.7	87.5	1 coil



20 ft Straight Lengths RAUPEX Blue UV Shield Pipe					
Article No.	Description	Package Quantity Bag	Unit Weight kg lb		Minimum Order
235351-021	1/2 in. RAUPEX Blue UV Shield Pipe, 20 ft (6.1 m)	50 pcs (1000 ft)	0.50	1.2	1 bag
235371-021	3/4 in. RAUPEX Blue UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.0	2.2	1 bag
235381-021	1 in. RAUPEX Blue UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.6	3.5	1 bag

Straight lengths are packaged in a single outer bag.



1/2 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight kg lb		Minimum Order
235351-113	1/2 in. RAUPEX White UV Shield Pipe 100 ft coil (30.5 m)	100 ft	2.6	5.8	1 coil
235351-313	1/2 in. RAUPEX White UV Shield Pipe 300 ft coil (91.4 m)	300 ft	7.8	17.2	1 coil
235351-513	1/2 in. RAUPEX White UV Shield Pipe 500 ft coil (152.4 m)	500 ft	13.1	28.9	1 coil
235351-013	1/2 in. RAUPEX White UV Shield Pipe 1000 ft coil (304.8 m)	1000 ft	26.3	57.9	1 coil
235351-153	1/2 in. RAUPEX White UV Shield Pipe, 500 ft (152.4 m)	5 (100 ft) coils/box	13.1	28.9	1 box
235351-353	1/2 in. RAUPEX White UV Shield Pipe, 1500 ft (457.2 m)	5 (300 ft) coils/box	41.1	90.5	1 box

3/4 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight kg lb		Minimum Order
235371-113	3/4 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	4.9	10.9	1 coil
235371-313	3/4 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	14.7	32.3	1 coil
235371-513	3/4 in. RAUPEX White UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	24.6	54.3	1 coil
235371-013	3/4 in. RAUPEX White UV Shield Pipe, 1000 ft coil (304.8 m)	1000 ft	48.9	108.0	1 coil
235371-153	3/4 in. RAUPEX White UV Shield Pipe, 500 ft (152.4 m)	5 (100 ft) coils/box	24.6	54.3	1 box

1 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight kg lb		Minimum Order
235381-113	1 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	7.9	17.5	1 coil
235381-313	1 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	23.8	52.4	1 coil
235381-513	1 in. RAUPEX White UV Shield Pipe, 500 ft coil (152.4 m)	500 ft	39.7	87.5	1 coil

1 1/4 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight kg lb		Minimum Order
132571-113	1 1/4 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	11.4	25.0	1 coil
132571-313	1 1/4 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	34.2	75.0	1 coil

1 1/2 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight kg lb		Minimum Order
132581-113	1 1/2 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	16.0	35.0	1 coil
132581-313	1 1/2 in. RAUPEX White UV Shield Pipe, 300 ft coil (91.4 m)	300 ft	48.0	105.0	1 coil

2 in. RAUPEX White UV Shield Pipe					
Article No.	Description	Package Quantity	Unit Weight kg lb		Minimum Order
132591-113	2 in. RAUPEX White UV Shield Pipe, 100 ft coil (30.5 m)	100 ft	27.4	60.0	1 coil
132591-313	2 in. RAUPEX White UV Shield Pipe, 300 ft coil (30.5 m)	300 ft	82.2	180.0	1 coil



20 ft Straight Lengths RAUPEX White UV Shield Pipe

Article No.	Description	Package Quantity Bag	Unit Weight kg	Unit Weight lb	Minimum Order
235351-023	1/2 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	50 pcs (1000 ft)	0.50	1.2	1 bag
235371-023	3/4 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.0	2.2	1 bag
235381-023	1 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.6	3.5	1 bag
132571-023	1 1/4 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	2.3	5.0	1 bag
132581-023	1 1/2 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	3.2	7.0	1 bag
132591-023	2 in. RAUPEX White UV Shield Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	5.5	12.0	1 bag

Straight lengths are packaged in a single outer bag.



Pre-sleeved RAUPEX White UV Shield Pipe

RAUPEX UV shield pipe with a red or blue corrugated PE sleeve, where jurisdictional requirements for plumbing pipe are to be sleeved when buried in concrete or other substrate.

3/4 in. RAUPEX White UV Shield Pre-sleeved Pipe

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
106394-777	3/4 in. RAUPEX White UV Shield Pre-sleeved Red, 300 ft (91.4 m)	300 ft	21.2	46.7	1 coil
106395-888	3/4 in. RAUPEX White UV Shield Pre-sleeved Blue, 300 ft (91.4 m)	300 ft	21.2	46.7	1 coil

1 in. RAUPEX White UV Shield Pre-sleeved Pipe

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
106396-777	1 in. RAUPEX White UV Shield Pre-sleeved Red, 100 ft (30.5 m)	100 ft	11.2	24.7	1 coil
106397-888	1 in. RAUPEX White UV Shield Pre-sleeved Blue, 100 ft (30.5 m)	100 ft	11.2	24.7	1 coil

Pre-sleeved RAUPEX Non-barrier Pipe

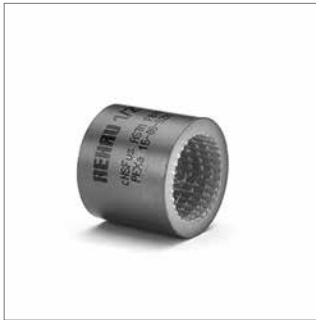
RAUPEX non-barrier pipe is offered with a red or blue corrugated PE sleeve, where jurisdictional requirements for plumbing pipe are to be sleeved when buried in concrete or other substrate

1/2 in. RAUPEX Non-barrier Pre-sleeved Pipe

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
202046-777	1/2 in. RAUPEX NB Pre-sleeved Red, 231 ft (70.4 m)	231 ft	11	24	1 coil
202046-888	1/2 in. RAUPEX NB Pre-sleeved Blue, 231 ft (70.4 m)	231 ft	11	24	1 coil

2. EVERLOC+ COMPRESSION-SLEEVE FITTINGS

EVERLOC+ compression-sleeve fittings and sleeves are designed specifically for use with REHAU PEXa pipe. Installation is performed with EVERLOC+ compression-sleeve tools. Follow all published REHAU *Technical Guidelines*. EVERLOC+ polymer fittings are produced from a polyphenylsulfone (PPSU) material. EVERLOC+ LF brass fittings are produced from ECO Brass® (UNS C69300 or CW724R). EVERLOC+ compression sleeves are produced using a specially formulated PEXa material and are designed specifically for use with EVERLOC+ fittings. All EVERLOC+ fittings and sleeves comply with the lead-free requirements of the U.S. Safe Drinking Water Act. Order PEXa compression sleeves separately from fittings. EVERLOC+ polymer fittings and sleeves are manufactured by REHAU in a plant using a quality management system that is certified to ISO 9001.



EVERLOC+ PEXa Compression Sleeves						
Article No.	Description	Package Bag	Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104815-001	3/8 in. EVERLOC+ PEXa Sleeve	50	600	2.72	0.006	1 bag
104816-001	1/2 in. EVERLOC+ PEXa Sleeve	100	400	3.17	0.007	1 box
104817-001	5/8 in. EVERLOC+ PEXa Sleeve	50	250	5.44	0.012	1 bag
104818-001	3/4 in. EVERLOC+ PEXa Sleeve	50	150	8.62	0.019	1 box
104819-001	1 in. EVERLOC+ PEXa Sleeve	20	80	15.88	0.035	1 box
104820-001	1 1/4 in. EVERLOC+ PEXa Sleeve	10	50	20.41	0.045	1 box
104821-001	1 1/2 in. EVERLOC+ PEXa Sleeve	10	30	24.95	0.055	1 box
104822-001	2 in. EVERLOC+ PEXa Sleeve	5	15	29.48	0.065	1 box



EVERLOC+ Straight Couplings						
Article No.	Description	Package Bag	Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
317138-001	3/8 x 3/8 in. EVERLOC+ LF Brass Coupling	-	100	19.50	0.04	1 box
104824-001	1/2 x 1/2 in. EVERLOC+ Polymer Coupling	10	100	4.08	0.01	1 bag
317142-001	5/8 x 5/8 in. EVERLOC+ LF Brass Coupling	-	40	48.53	0.11	1 box
104825-001	3/4 x 3/4 in. EVERLOC+ Polymer Coupling	10	50	12.25	0.03	1 bag
104826-001	1 x 1 in. EVERLOC+ Polymer Coupling	10	50	22.23	0.05	1 bag
104827-001	1 1/4 x 1 1/4 in. EVERLOC+ Polymer Coupling	1	10	40.37	0.09	1 bag
104828-001	1 1/2 x 1 1/2 in. EVERLOC+ Polymer Coupling	1	10	71.21	0.16	1 bag
104829-001	2 x 2 in. EVERLOC+ Polymer Coupling	1	10	125.19	0.28	1 bag



EVERLOC+ Reducer Couplings						
Article No.	Description	Package Bag	Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104830-001	3/4 x 1/2 in. EVERLOC+ Polymer Coupling	10	100	8.62	0.02	1 bag
104831-001	1 x 3/4 in. EVERLOC+ Polymer Coupling	10	50	17.69	0.04	1 bag
104832-001	1 1/4 x 1 in. EVERLOC+ Polymer Coupling	1	10	32.66	0.07	1 bag
104833-001	1 1/2 x 1 in. EVERLOC+ Polymer Coupling	1	10	49.90	0.11	1 bag
422233-001	1 1/2 x 1 1/4 in. EVERLOC+ LF Brass Coupling	-	6	304.36	0.67	1 box
317139-001	2 x 1 in. EVERLOC+ LF Brass Coupling	-	2	395.59	0.87	1 box
317140-001	2 x 1 1/4 in. EVERLOC+ LF Brass Coupling	-	2	424.66	0.94	1 box
317141-001	2 x 1 1/2 in. EVERLOC+ LF Brass Coupling	-	2	480.07	1.00	1 box



EVERLOC+ Straight Tees (A x B x C)						
Article No.	Description	Package Bag	Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104835-001	1/2 x 1/2 x 1/2 in. EVERLOC+ Polymer Tee	10	50	8.62	0.02	1 bag
104836-001	3/4 x 3/4 x 3/4 in. EVERLOC+ Polymer Tee	10	50	23.59	0.05	1 bag
104837-001	1 x 1 x 1 in. EVERLOC+ Polymer Tee	1	10	42.64	0.09	1 bag
104838-001	1 1/4 x 1 1/4 x 1 1/4 in. EVERLOC+ Polymer Tee	1	10	78.47	0.17	1 bag
104839-001	1 1/2 x 1 1/2 x 1 1/2 in. EVERLOC+ Polymer Tee	1	5	136.53	0.30	1 bag
104840-001	2 x 2 x 2 in. EVERLOC+ Polymer Tee	1	5	245.85	0.54	1 bag



EVERLOC+ Run Reducing Tees (A x B x C)						
Article No.	Description	Package Bag	Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104841-001	3/4 x 1/2 x 3/4 in. EVERLOC+ Polymer Tee	10	50	19.50	0.04	1 bag
104842-001	1 x 3/4 x 1 in. EVERLOC+ Polymer Tee	5	25	37.65	0.08	1 bag
317143-001	1 1/4 x 1 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	2	328.85	0.73	1 box
317144-001	1 1/2 x 1 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	2	517.09	1.14	1 box
317145-001	1 1/2 x 1 1/4 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	2	553.38	1.22	1 box
317146-001	2 x 1 1/4 x 2 in. EVERLOC+ LF Brass Tee	-	1	830.07	1.83	1 box
317147-001	2 x 1 1/2 x 2 in. EVERLOC+ LF Brass Tee	-	1	898.11	1.98	1 box



EVERLOC+ Branch Reducing Tees (A x B x C)						
Article No.	Description	Package Bag	Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104844-001	3/4 x 3/4 x 1/2 in. EVERLOC+ Polymer Tee	10	50	18.14	0.04	1 bag
104846-001	1 x 1 x 1/2 in. EVERLOC+ Polymer Tee	5	25	29.48	0.07	1 bag
104845-001	1 x 1 x 3/4 in. EVERLOC+ Polymer Tee	5	25	35.83	0.08	1 bag
104847-001	1 1/4 x 1 1/4 x 1 in. EVERLOC+ Polymer Tee	1	10	65.77	0.15	1 bag
104848-001	1 1/2 x 1 1/2 x 1 in. EVERLOC+ Polymer Tee	1	5	102.51	0.23	1 bag
317149-001	1 1/2 x 1 1/2 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	2	535.24	1.18	1 box
104849-001	2 x 2 x 1 in. EVERLOC+ Polymer Tee	1	5	168.74	0.37	1 bag
317150-001	2 x 2 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	1	757.50	1.67	1 box
317151-001	2 x 2 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	1	852.75	1.88	1 box



EVERLOC+ Branch and Run Reducing Tees (A x B x C)						
Article No.	Description	Package Bag	Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104851-001	3/4 x 1/2 x 1/2 in. EVERLOC+ Polymer Tee	10	50	13.61	0.03	1 bag
104852-001	1 x 3/4 x 3/4 in. EVERLOC+ Polymer Tee	5	25	30.84	0.07	1 bag
104853-001	1 1/4 x 1 x 1 in. EVERLOC+ Polymer Tee	1	10	56.25	0.12	1 bag
317152-001	1 1/2 x 1 x 1 in. EVERLOC+ LF Brass Tee	-	2	371.04	0.82	1 box
317153-001	1 1/2 x 1 1/4 x 1 in. EVERLOC+ LF Brass Tee	-	2	404.60	0.89	1 box
317154-001	1 1/2 x 1 1/4 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	2	462.66	1.02	1 box
317156-001	2 x 1 1/2 x 1 in. EVERLOC+ LF Brass Tee	-	1	607.81	1.34	1 box
317161-001	2 x 1 1/2 x 1 1/4 in. EVERLOC+ LF Brass Tee	-	1	666.78	1.47	1 box
317155-001	2 x 1 1/2 x 1 1/2 in. EVERLOC+ LF Brass Tee	-	1	762.03	1.68	1 box



EVERLOC+ Bullhead Tees (A x B x C)						
Article No.	Description	Package Bag	Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104854-001	1/2 x 1/2 x 3/4 in. EVERLOC+ Polymer Tee	10	50	14.06	0.03	1 bag
104855-001	3/4 x 3/4 x 1 in. EVERLOC+ Polymer Tee	5	25	30.84	0.07	1 bag



EVERLOC+ 90° Elbows, PEX to PEX						
Article No.	Description	Package Bag	Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104859-001	1/2 x 1/2 in. EVERLOC+ Polymer Elbow	15	75	6.35	0.01	1 bag
317163-001	5/8 x 5/8 in. EVERLOC+ LF Brass Elbow	-	50	67.13	0.15	1 box
104860-001	3/4 x 3/4 in. EVERLOC+ Polymer Elbow	10	50	17.69	0.04	1 bag
104861-001	1 x 1 in. EVERLOC+ Polymer Elbow	5	30	33.11	0.07	1 bag
104862-001	1 1/4 x 1 1/4 in. EVERLOC+ Polymer Elbow	1	10	60.78	0.13	1 bag
104863-001	1 1/2 x 1 1/2 in. EVERLOC+ Polymer Elbow	1	10	102.97	0.23	1 bag
104864-001	2 x 2 in. EVERLOC+ Polymer Elbow	1	5	187.33	0.41	1 bag



EVERLOC+ 90° Elbows, PEX to Copper					
Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
317164-001	1/2 x 1/2 in. C Male or 3/8 in. C Female EVERLOC+ LF Brass Elbow	50	37.65	0.08	1 box
317165-001	1/2 x 1/2 in. C Female EVERLOC+ LF Brass Elbow	25	66.28	0.15	1 box
317166-001	3/4 x 3/4 in. C Male EVERLOC+ LF Brass Elbow	25	90.26	0.20	1 box
317167-001	3/4 x 3/4 in. C Female EVERLOC+ LF Brass Elbow	20	115.21	0.25	1 box



EVERLOC+ 90° Elbows, PEX to FPT/MPT					
Article No.	Description	Box Quantity	Unit Weight g lb		Minimum Order
317170-001	1/2 x 1/2 in. FPT EVERLOC+ LF Brass Drop Ear Elbow	20	85.73	0.19	1 box
317168-001	1/2 x 1/2 in. MPT EVERLOC+ LF Brass Drop Ear Elbow	20	85.73	0.19	1 box
317169-001	3/4 x 3/4 in. MPT EVERLOC+ LF Brass Elbow	10	99.79	0.22	1 box



EVERLOC+ Adapters, PEX to Copper					
Article No.	Description	Box Quantity	Unit Weight g lb		Minimum Order
317184-001	1/2 x 1/2 in. C Female EVERLOC+ LF Brass Adapter	35	28.58	0.06	1 box
317185-001	1/2 x 1/2 in. C Male or 3/8 in. C Female EVERLOC+ LF Brass Adapter	75	22.68	0.05	1 box
317189-001	3/4 x 1 in. C Female EVERLOC+ LF Brass Adapter	5	92.99	0.21	1 box
317186-001	3/4 x 3/4 in. C Male EVERLOC+ LF Brass Adapter	30	69.85	0.15	1 box
317187-001	3/4 x 3/4 in. C Female EVERLOC+ LF Brass Adapter	20	95.25	0.21	1 box
317190-001	1 x 1 in. C Male EVERLOC+ LF Brass Adapter	15	115.21	0.25	1 box
317191-001	1 x 1 in. C Female EVERLOC+ LF Brass Adapter	15	142.43	0.31	1 box
317192-001	1 1/4 x 1 1/4 in. C Male EVERLOC+ LF Brass Adapter	10	177.81	0.39	1 box
317193-001	1 1/4 x 1 1/4 in. C Female EVERLOC+ LF Brass Adapter	10	215.46	0.48	1 box
317194-001	1 1/2 x 1 1/2 in. C Male EVERLOC+ LF Brass Adapter	5	282.59	0.62	1 box
317195-001	1 1/2 x 1 1/2 in. C Female EVERLOC+ LF Brass Adapter	5	494.42	1.09	1 box
317196-001	2 x 2 in. C Male EVERLOC+ LF Brass Adapter	2	585.13	1.29	1 box
317197-001	2 x 2 in. C Female EVERLOC+ LF Brass Adapter	2	721.21	1.59	1 box



EVERLOC+ MPT Adapters, PEX to MPT					
Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
317174-001	3/8 x 1/2 in. MPT EVERLOC+ LF Brass Adapter	40	38.56	0.09	1 box
317171-001	1/2 x 1/2 in. MPT EVERLOC+ LF Brass Adapter	40	44.91	0.10	1 box
317175-001	5/8 x 1/2 in. MPT EVERLOC+ LF Brass Adapter	30	57.15	0.13	1 box
317176-001	5/8 x 3/4 in. MPT or 1/2 in. C Female EVERLOC+ LF Brass Adapter	30	84.82	0.19	1 box
317172-001	3/4 x 3/4 in. MPT EVERLOC+ LF Brass Adapter	20	76.66	0.17	1 box
317177-001	3/4 x 1 in. MPT EVERLOC+ LF Brass Adapter	20	124.74	0.28	1 box
317178-001	1 x 1 in. MPT EVERLOC+ LF Brass Adapter	15	148.32	0.33	1 box
317179-001	1 1/4 x 1 1/4 in. MPT EVERLOC+ LF Brass Adapter	10	246.30	0.54	1 box
317180-001	1 1/2 x 1 1/2 in. MPT EVERLOC+ LF Brass Adapter	5	373.76	0.82	1 box
317181-001	2 x 2 in. MPT EVERLOC+ LF Brass Adapter	2	576.06	1.27	1 box



EVERLOC+ FPT Adapters, PEX to FPT					
Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
317173-001	1/2 x 1/2 in. FPT EVERLOC+ LF Brass Adapter	40	51.26	0.11	1 box
317182-001	3/4 x 3/4 in. FPT EVERLOC+ LF Brass Adapter	20	87.54	0.19	1 box
317183-001	1 x 1 in. FPT EVERLOC+ LF Brass Adapter	10	143.34	0.32	1 box



EVERLOC+ Plugs						
Article No.	Description	Package Bag	Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104856-001	1/2 in. EVERLOC+ Polymer Plug	30	150	2.27	0.005	1 bag
317157-001	5/8 in. EVERLOC+ LF Brass Plug	-	60	28.94	0.064	1 box
104857-001	3/4 in. EVERLOC+ Polymer Plug	20	100	6.35	0.014	1 bag
104858-001	1 in. EVERLOC+ Polymer Plug	10	50	11.34	0.025	1 bag
317158-001	1 1/4 in. EVERLOC+ LF Brass Plug	-	20	133.57	0.295	1 box
317159-001	1 1/2 in. EVERLOC+ LF Brass Plug	-	20	214.15	0.472	1 box
317160-001	2 in. EVERLOC+ LF Brass Plug	-	10	388.28	0.856	1 box



EVERLOC+ LF Brass Swivel Adapters , PEX to NPS					
Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
418463-001	1/2 in. x 1/2 NPS EVERLOC+ LF Brass Female Swivel Adapter	25	58.97	0.13	1 box
418464-001	3/4 in. x 3/4 NPS EVERLOC+ LF Brass Female Swivel Adapter	20	99.79	0.22	1 box

3. EVERLOC+ MULTI-POR TEEES AND MANIFOLDS



EVERLOC+ Polymer Closed-end Multi-port Tees					
Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
104867-001	3/4 in. Inlet, (3) 1/2 in. Outlets, EVERLOC+ Polymer Closed-end Multi-port Tee	15	25.40	0.056	1 box
104868-001	3/4 in. Inlet, (4) 1/2 in. Outlets, EVERLOC+ Polymer Closed-end Multi-port Tee	15	32.21	0.071	1 box



EVERLOC+ Polymer Flow-through Multi-port Tees					
Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
104869-001	3/4 x 3/4 in. Inlets, (2) 1/2 in. Outlets, EVERLOC+ Polymer Flow-through Multi-port Tee	15	24.49	0.054	1 box
104870-001	3/4 x 3/4 in. Inlets, (3) 1/2 in. Outlets, EVERLOC+ Polymer Flow-through Multi-port Tee	15	31.29	0.069	1 box
104871-001	3/4 x 3/4 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ Polymer Flow-through Multi-port Tee	15	37.19	0.082	1 box



EVERLOC+ Polymer Elbow Flow-through Multi-port Tees					
Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
104872-001	3/4 x 3/4 in. Inlets, (3) 1/2 in. Outlets, EVERLOC+ Polymer Elbow Flow-through Multi-port Tee	15	35.83	0.079	1 box
104873-001	3/4 x 3/4 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ Polymer Elbow Flow-through Multi-port Tee	15	42.18	0.093	1 box

Copper multi-port tees and manifolds are 1 in. Type L copper with EVERLOC+ LF brass fittings brazed into the header and comply with the lead-free requirements of the U.S. Safe Drinking Water Act.



EVERLOC+ LF Brass Closed-end Copper Multi-port Tees					
Article No.	Description	Package Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104892-001	1 in. Inlet, (4) 1/2 in. Outlets, EVERLOC+ LF Brass Closed-end Multi-port Tee	10	281.47	0.62	1 box
104893-001	3/4 in. Inlet, (6) 1/2 in. Outlets, EVERLOC+ LF Brass Closed-end Multi-port Tee	10	391.30	0.86	1 box
104894-001	1 in. Inlet, (6) 1/2 in. Outlets, EVERLOC+ LF Brass Closed-end Multi-port Tee	10	392.96	0.87	1 box



EVERLOC+ LF Brass Flow-through Copper Multi-port Tees					
Article No.	Description	Package Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104895-001	1 x 3/4 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ LF Brass Flow-through Multi-port Tee	10	317.89	0.70	1 box
104896-001	1 x 1 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ LF Brass Flow-through Multi-port Tee	10	341.69	0.75	1 box
104897-001	3/4 x 3/4 in. Inlets, (6) 1/2 in. Outlets, EVERLOC+ LF Brass Flow-through Multi-port Tee	10	375.66	0.83	1 box
104898-001	1 x 3/4 in. Inlets, (6) 1/2 in. Outlets, EVERLOC+ LF Brass Flow-through Multi-port Tee	10	402.64	0.89	1 box



EVERLOC+ LF Brass Horizontal Copper Multi-port Tees					
Article No.	Description	Package Quantity Box	Unit Weight g	Unit Weight lb	Minimum Order
104899-001	3/4 x 3/4 x 3/4 in. Inlets, (4) 1/2 in. Outlets, EVERLOC+ LF Brass Horizontal Multi-port Tee	10	368.07	0.81	1 box



EVERLOC+ LF Brass Cut-to-Length Copper Manifolds					
Article No.	Description	Package Quantity Box	Unit Weight kg	Unit Weight lb	Minimum Order
104902-001	1 in. Header, (24) 1/2 in. Outlets, EVERLOC+ LF Brass Cut-to-Length Manifold	5	2.06	4.54	1 box

4. EVERLOC+ COMPRESSION-SLEEVE TOOLS



EVERLOC+ Power Tool Standard Kit

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
105107-001	EVERLOC+ Power Tool Standard Kit (1/2, 3/4 and 1 in.)	1	6.8	15	1

The EVERLOC+ power tool standard kit is specifically designed for assembling 1/2, 3/4 and 1 in. EVERLOC+ fittings. The tool kit comes complete with the following:

- EVERLOC+ power tool base unit (Art. 105106-001)
- EVERLOC+ expander adapter QC (Art. 105167-001)
- EVERLOC+ expander heads QC: 1/2 in. (Art. 105074-001), 3/4 in. (Art. 105076-001), 1 in. (Art. 105077-001)
- EVERLOC+ compression jaws (set): 1/2 in. (Art. 105084-001), 3/4 in. (Art. 105088-001), 1 in. (Art. 105091-001)
- (2) DeWALT® 12V Li-ion batteries (DCB127)
- DeWALT® 12V/20V Li-ion battery charger, 120VAC (DCB107)
- RAUCUTTER (Art. 137495)
- Tool case (Art. 318135-001)
- Grease (Art. 224989-001) and cleaning brush (Art. 224988-001)
- Operating instructions



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Read the instruction manual thoroughly before use and follow all safety precautions - improper use can cause serious personal injury.



EVERLOC+ Expander Heads

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
105073-001	3/8 in. EVERLOC+ Expander Head (Quick Change)	1	162	0.36	1 ea
105074-001	1/2 in. EVERLOC+ Expander Head (Quick Change)	1	159	0.35	1 ea
105075-001	5/8 in. EVERLOC+ Expander Head (Quick Change)	1	152	0.34	1 ea
105076-001	3/4 in. EVERLOC+ Expander Head (Quick Change)	1	150	0.33	1 ea
105077-001	1 in. EVERLOC+ Expander Head (Quick Change)	1	181	0.40	1 ea



EVERLOC+ Compression Jaws

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
105083-001	3/8 in. EVERLOC+ Compression Jaws (set)	1 set	251	0.55	1 set
105084-001	1/2 in. EVERLOC+ Compression Jaws (set)	1 set	272	0.60	1 set
105087-001	5/8 in. EVERLOC+ Compression Jaws (set)	1 set	288	0.63	1 set
105088-001	3/4 in. EVERLOC+ Compression Jaws (set)	1 set	295	0.65	1 set
105091-001	1 in. EVERLOC+ Compression Jaws (set)	1 set	386	0.85	1 set


EVERLOC+ XL Power Tool Standard Kit

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
105733-001	EVERLOC+ XL Power Tool (1 1/4, 1 1/2 and 2 in.)	1	19.5	43	1

The EVERLOC+ XL power tool standard kit is specifically designed for assembling 1 1/4, 1 1/2 and 2 in. EVERLOC+ fittings. The tool kit comes complete with the following:

- EVERLOC+ XL power tool base unit (Art. 105994-001)
- EVERLOC+ XL expander adapter QC (Art. 105744-001)
- EVERLOC+ XL expander heads QC: 1 1/4 in. (Art. 105078-001), 1 1/2 in. (Art. 105079-001), 2 in. (Art. 105080-001)
- EVERLOC+ XL compression jaws (set): 1 1/4 in. (Art. 105094-001), 1 1/2 in. (Art. 105096-001), 2 in. (Art. 105098-001)
- (2) MAKITA® 18V Li-ion batteries (BL1840B)
- MAKITA® 18V Li-ion battery charger, 120VAC (DC18RC)
- Large ratchet cutter (Art. 131558-001)
- Tool case (Art. 321251-001)
- Grease (Art. 224989-001), cleaning brush (Art. 224988-001) and operating instructions



Read the instruction manual thoroughly before use and follow all safety precautions - improper use can cause serious personal injury.

Accessory item sold separately:

- EVERLOC+ XL Power Tool Kit Trolley (Art. 324373-001)


EVERLOC+ XL Expander Tool Standard Kit

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
106096-001	EVERLOC+ XL Expander Tool (1 1/4, 1 1/2 and 2 in.)	1	5.4	12	1

The EVERLOC+ XL expander tool standard kit is specifically designed for the expansion of 1 1/4, 1 1/2 and 2 in. EVERLOC+ fittings. The tool kit comes complete with the following:

- EVERLOC+ XL expander tool base unit (Art. 105419-001)
- MAKITA® 18V Li-ion battery (BL1840B)
- Tool case (Art. 322285-001)
- Grease (Art. 224989-001) and cleaning brush (Art. 224988-001)
- Operating instructions



Read the instruction manual thoroughly before use and follow all safety precautions - improper use can cause serious personal injury.


EVERLOC+ XL Expander Heads

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
105078-001	1 1/4 in. EVERLOC+ XL Expander Head (Quick Change)	1	590	1.30	1 ea
105079-001	1 1/2 in. EVERLOC+ XL Expander Head (Quick Change)	1	667	1.47	1 ea
105080-001	2 in. EVERLOC+ XL Expander Head (Quick Change)	1	748	1.65	1 ea


EVERLOC+ XL Compression Jaws

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
105094-001	1 1/4 in. EVERLOC+ XL Compression Jaws (set)	1 set	1134	2.50	1 set
105096-001	1 1/2 in. EVERLOC+ XL Compression Jaws (set)	1 set	1179	2.60	1 set
105098-001	2 in. EVERLOC+ XL Compression Jaws (set)	1 set	1270	2.80	1 set

5. EVERLOC+ VALVES AND BOXES



Straight Ball Valves, EVERLOC+ to Copper

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box		g	lb	
418433-001	1/2 in. EVERLOC+ x 1/2 in. C Female Valve	18		120	0.27	1 box
418429-001	3/4 in. EVERLOC+ x 3/4 in. C Female Valve	8		205	0.45	1 box

Make solder connection before connecting RAUPEX pipe.



Straight Ball Valves, EVERLOC+ to EVERLOC+

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box		g	lb	
418435-001	1/2 x 1/2 in. EVERLOC+ Valve	18		136	0.30	1 box
418434-001	3/4 x 3/4 in. EVERLOC+ Valve	8		215	0.47	1 box



Straight Ball Valves, EVERLOC+ to Compression

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box		g	lb	
418437-001	1/2 in. EVERLOC+ x 3/8 in. Compression Straight Valve, Plated	18		136	0.30	1 box

Includes 3/8 in. compression nut and ferrule.



Angle Ball Valves, EVERLOC+ to Compression

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box		g	lb	
418438-001	1/2 in. EVERLOC+ x 3/8 in. Compression Angle Valve, Plated	18		136	0.30	1 box

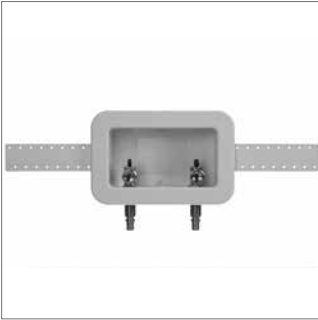
Includes 3/8 in. compression nut and ferrule.



Dishwasher Valves, EVERLOC+ to Compression

Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
418428-001	1/2 in. EVERLOC+ x 3/8 in. Compression (Dual) Valve, Plated	1	8	150	0.33	1 box

Includes (2) compression nuts, (2) ferrules, (1) brass plug.



EVERLOC+ Washer Outlet Box					
Article No.	Description	Package Quantity Box	Unit Weight g lb		Minimum Order
418457-001	1/2 in. EVERLOC+ Washing Machine Outlet Box	12	303.91	0.67	1 box



EVERLOC+ Ice Maker Box					
Article No.	Description	Package Quantity Box	Unit Weight g lb		Minimum Order
418454-001	1/2 in. EVERLOC+ Ice Maker Outlet Box	6	151.04	.333	1 box

6. EVERLOC+ COPPER ELLS



Tub/Shower Diverter Ells					
Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
418664-001	Tub/Shower Diverter Ell, 1/2 in. EVERLOC+	75	132	0.29	1 box



Closed-end Stub Out Ells					
Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
418665-001	Stub Out Ell, 1/2 in. EVERLOC+ (8 in. Long)	40	196	0.43	1 box
418668-001	Stub Out Ell, 3/4 in. EVERLOC+ (8 in. Long)	20	361	0.79	1 box



Straight Copper Stubs					
Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
418669-001	8 in. Straight Copper Stub, 1/2 in. EVERLOC+	50	153	0.34	1 box

7. PIPE SUPPORTS AND PROTECTION



Steel Support Bends						
Article No.	Description	Package Box	Quantity Carton	Unit Weight g	Unit Weight lb	Minimum Order
258408	3/8 and 1/2 in. Steel Support Bend	10	50	50	0.10	1 box
257249	3/4 in. Steel Support Bend	10	50	150	0.32	1 box
261153	1 in. Steel Support Bend	5	50	380	0.84	1 box



Steel Support Bends With Mounting Plate					
Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
266597	1/2 in. Steel Support Bend w/ Mounting Plate	25	69	0.15	1 box



Polymer Support Bends With Screw Hole					
Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
266207	3/8 and 1/2 in. Polymer Support Bend	50	40	0.08	1 box
266227	3/4 in. Polymer Support Bend	50	70	0.16	1 box
266237	1 in. Polymer Support Bend	50	100	0.22	1 box
266727	1 1/4 in. Polymer Support Bend	50	200	0.44	1 box



PVC Bend Guides					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
266170-001	3/8 and 1/2 in. PVC Bend Guide	40	64	0.14	1 box
266175-001	5/8 and 3/4 in. PVC Bend Guide	30	142	0.31	1 box
266180	1 in. Schedule 40 PVC Bend Guide	20	378	0.83	1 box



Galvanized Support Channels							
Article No.	Description	Length		Package Quantity	Unit Weight		Minimum Order
		m	ft		kg	lb	
225527-001	3/4 in. Steel Support Channel	5.986	19.63	10 pcs/bundle	2.14	4.71	1 bundle
225537-001	1 in. Steel Support Channel	5.956	19.53	10 pcs/bundle	3.27	7.19	1 bundle
225547-001	1 1/4 in. Steel Support Channel	5.942	19.49	8 pcs/bundle	3.91	8.60	1 bundle
225557-001	1 1/2 in. Steel Support Channel	5.926	19.45	6 pcs/bundle	5.59	12.30	1 bundle
225567-001	2 in. Steel Support Channel	5.896	19.33	4 pcs/bundle	6.95	15.29	1 bundle



PE Protection Sleeves							
Article No.	Description	Hole Size		Package Quantity	Unit Weight		Minimum Order
					kg	lb	
236107	Protection Sleeve for 3/8 and 1/2 in. Pipe	1 in.		100 ft (30.4 m) coil	1.4	3.1	1 coil
236117	Protection Sleeve for 5/8 and 3/4 in. Pipe	1 1/4 in.		50 ft (15.2 m) coil	1.1	2.4	1 coil
236127	Protection Sleeve for 1 in. Pipe	1 1/2 in.		50 ft (15.2 m) coil	1.7	3.6	1 coil
236137	Protection Sleeve for 1 1/4 in. Pipe	2 in.		150 ft (45.7 m) coil	6.1	13.4	1 coil
236147*	Protection Sleeve for 1 1/2 in. Pipe	2 1/2 in.		100 ft (30.4 m) coil	7.8	17.2	1 coil
236157*	Protection Sleeve for 2 in. Pipe	3 in.		100 ft (30.4 m) coil	8.7	19.2	1 coil

+ This item is not stocked. Lead times may vary.
Most sizes are slit for easier installation.



Protection Tape					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
246869-001	Protective Tape, Red	1	284	.626	1 roll

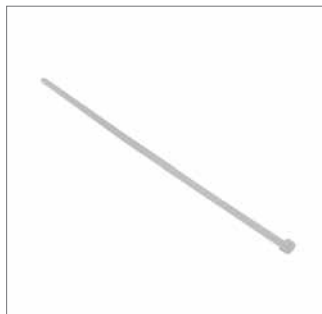
Protective tape for wrapping EVERLOC+ joints when used with polyurethane foam insulation kits.
Tape dimensions: 2 in. wide x 100 ft long (50 mm x 30 m)



Rubber Tape					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
241002	Linerless Rubber Tape, Black	1	279	.616	1 roll

Scotch® 2242 linerless, self-bonding, waterproof, Ethylene Propylene Rubber (EPR) tape for wrapping of EVERLOC+ joints.
Tape dimensions: 2 in. wide x 15 ft. long (50 mm x 4.57 m).

8. PIPE FASTENERS



Nylon Pipe Ties					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
724448	Nylon Pipe Ties	1000 pcs/bag	1.43	0.0003	1 bag

Ties are 8 in. long and rated at 50 lbs tensile strength.



Locking Clips					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
261496*	3/8 in. Locking Clips	100/bag	4	0.01	1 bag
261556*	1/2 in. Locking Clips	100/bag	5	0.01	1 bag
261516*	3/4 in. Locking Clips	100/bag	7	0.02	1 bag
261566*	1 in. Locking Clips	50/bag	12	0.03	1 bag
261576*	1 1/4 in. Locking Clips	50/bag	12	0.03	1 bag
261586*	1 1/2 in. Locking Clips	25/bag	18	0.04	1 bag
261596*	2 in. Locking Clips	25/bag	30	0.07	1 bag

* This item is not stocked. Lead times may vary. Minimum order quantities may vary.



Talon Drive Hooks					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
260866	Twin Talon Drive Hooks	100/bag	6	0.01	1 bag
260846	Low Profile 3/8 in. Talons	100/bag	4	0.01	1 bag
261766	Low Profile 1/2 in. Talons	100/bag	4	0.01	1 bag
261776	Low Profile 5/8 and 3/4 in. Talons	50/bag	6	0.01	1 bag
261806	Low Profile 1 in. Talons	50/bag	10	0.02	1 bag



Single Nail Clamps						
Article No.	Description	Package Bag	Quantity Box	Unit g	Weight lb	Minimum Order
261746	Single Nail Clamp for 3/8 and 1/2 in. Pipe	100	1500	4	0.01	1 bag
261756*	Single Nail Clamp for 3/4 in. Pipe	100	1000	5	0.01	1 bag

* This item is not stocked. Lead times may vary. Minimum order quantities may vary.



Plastic Pipe Clamps						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
282401+	1 1/4 in. Plastic Pipe Clamp	50	800	16	0.04	1 bag
282411+	1 1/2 in. Plastic Pipe Clamp	25	600	20	0.05	1 bag
282421+	2 in. Plastic Pipe Clamp	25	300	32	0.07	1 bag

+ This item is not stocked. Lead times may vary. Minimum order quantities may vary.



Isolating Suspension Clamps						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
282431+	1 1/4 in. Isolating Suspension Clamp	50	800	15	0.03	1 bag
282441+	1 1/2 in. Isolating Suspension Clamp	25	600	28	0.04	1 bag
282451+	2 in. Isolating Suspension Clamp	25	300	23	0.05	1 bag

+ This item is not stocked. Lead times may vary. Minimum order quantities may vary.

9. PIPE INSTALLATION TOOLS



RAUPEX Horizontal Uncoilers					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
286151-002	RAUPEX Horizontal Uncoiler	1	13	28	1

Uncoiler is capable of holding RAUPEX coils up to 1 in. diameter.



RAUPEX Cutters					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
137495	RAUCUTTER for up to 1 in. RAUPEX	1	0.17	0.38	1
315242-001	Ratchet Cutter for up to 1 1/2 in. RAUPEX	1	0.41	0.90	1
131558-001	Large Ratchet Cutter for up to 2 in. RAUPEX	1	1.09	2.41	1

RADIANT HEATING/COOLING, SNOW AND ICE MELTING

Product Catalog, 2018

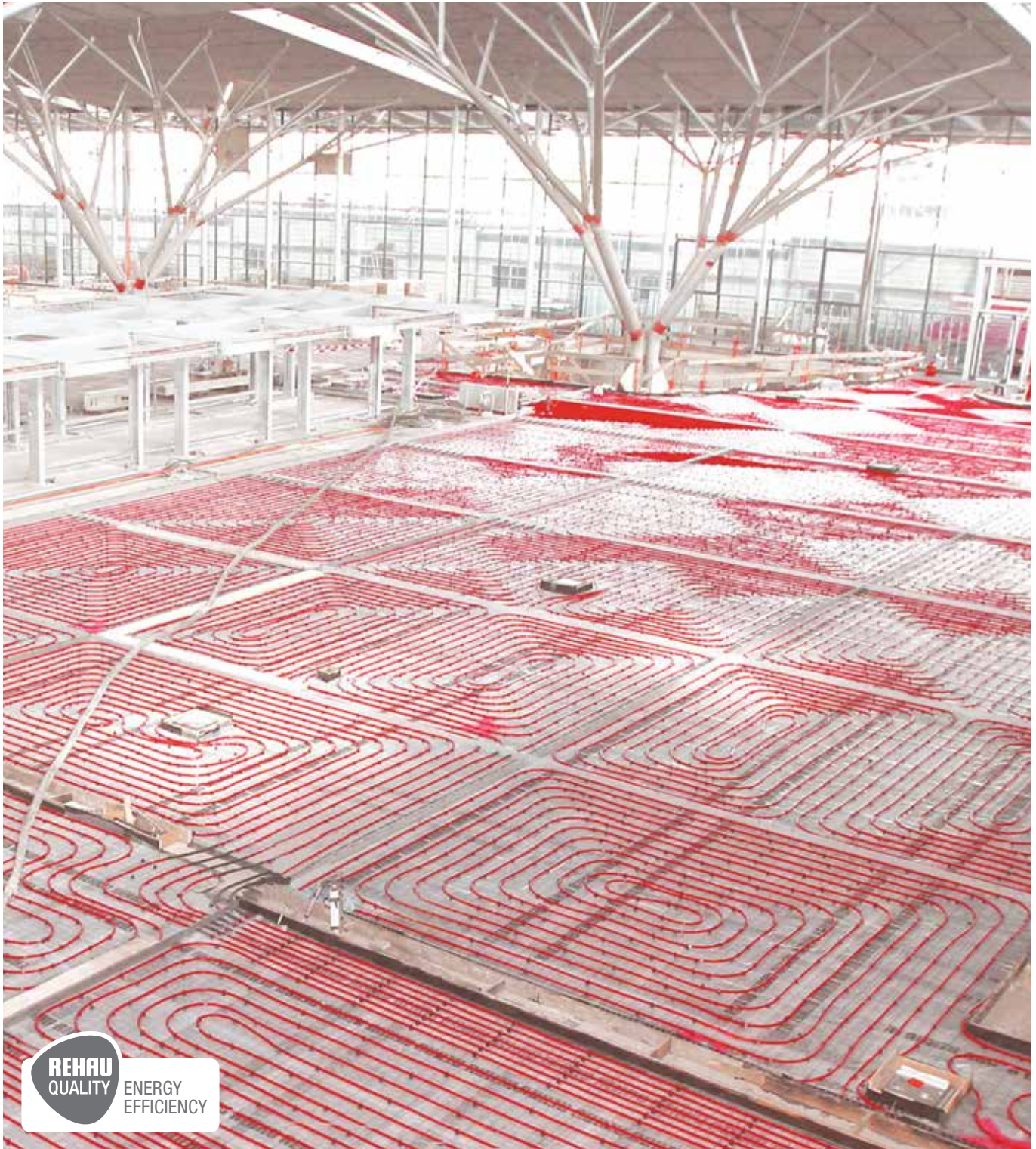


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For updates to this publication and the most current technical instructions, safety information and manufacturer's recommendations, visit na.rehau.com/resourcecenter

1. RAUPEX O₂ BARRIER PIPE

RAUPEX O₂ barrier pipe is manufactured using REHAU's high-pressure peroxide method for crosslinked polyethylene (PEXa). RAUPEX O₂ barrier pipe has a co-extruded oxygen diffusion barrier that exceeds the strict requirements of DIN 4726. All RAUPEX O₂ barrier pipe meets or exceeds the requirements of ASTM F876, CSA B137.5 and PPI TR-3. RAUPEX O₂ barrier pipe also complies with the requirements of the CSA B214 installation code for hydronic heating systems. RAUPEX O₂ barrier pipe is manufactured by REHAU in a plant using a quality management system that is certified to ISO 9001.



3/8 in. RAUPEX O₂ Barrier Pipe

Article No.	Description	Package Quantity	Unit Weight kg lb		Minimum Order
136008-500	3/8 in. RAUPEX O ₂ Barrier Pipe, 500 ft coil (152.4 m)	500 ft	10.5	23.1	1 coil
136008-000	3/8 in. RAUPEX O ₂ Barrier Pipe, 1000 ft coil (304.8 m)	1000 ft	21.0	46.2	1 coil

1/2 in. RAUPEX O₂ Barrier Pipe

Article No.	Description	Package Quantity	Unit Weight kg lb		Minimum Order
136031-300	1/2 in. RAUPEX O ₂ Barrier Pipe, 300 ft coil (91.4 m)	300 ft	7.8	17.2	1 coil
136031-500	1/2 in. RAUPEX O ₂ Barrier Pipe, 500 ft coil (152.4 m)	500 ft	13.1	28.9	1 coil
136031-000	1/2 in. RAUPEX O ₂ Barrier Pipe, 1000 ft coil (304.8 m)	1000 ft	26.3	57.9	1 coil
136031-150	1/2 in. RAUPEX O ₂ Barrier Pipe, 500 ft (152.4 m)	5 (100 ft) coils/box	13.1	28.9	1 box

5/8 in. RAUPEX O₂ Barrier Pipe

Article No.	Description	Package Quantity	Unit Weight kg lb		Minimum Order
136880-400	5/8 in. RAUPEX O ₂ Barrier Pipe, 400 ft coil (121.8 m)	400 ft	16.3	35.9	1 coil
136880-155	5/8 in. RAUPEX O ₂ Barrier Pipe, 750 ft (228.6 m)	5 (150 ft) coils/box	27.6	60.7	1 box
136880-000	5/8 in. RAUPEX O ₂ Barrier Pipe, 1000 ft coil (304.8 m)	1000 ft	35.9	79.1	1 coil

3/4 in. RAUPEX O₂ Barrier Pipe

Article No.	Description	Package Quantity	Unit Weight kg lb		Minimum Order
136051-100	3/4 in. RAUPEX O ₂ Barrier Pipe, 100 ft coil (30.5 m)	100 ft	4.9	10.9	1 coil
136051-300	3/4 in. RAUPEX O ₂ Barrier Pipe, 300 ft coil (91.4 m)	300 ft	14.7	32.4	1 coil
136051-500	3/4 in. RAUPEX O ₂ Barrier Pipe, 500 ft coil (152.4 m)	500 ft	24.6	54.3	1 coil
136051-000	3/4 in. RAUPEX O ₂ Barrier Pipe, 1000 ft coil (304.8 m)	1000 ft	49.2	108.5	1 coil

1 in. RAUPEX O ₂ Barrier Pipe					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
136011-100	1 in. RAUPEX O ₂ Barrier Pipe, 100 ft coil (30.5 m)	100 ft	7.9	17.5	1 coil
136011-500	1 in. RAUPEX O ₂ Barrier Pipe, 500 ft coil (152.4 m)	500 ft	39.7	87.5	1 coil

1 1/4 in. RAUPEX O ₂ Barrier Pipe					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
136283-100	1 1/4 in. RAUPEX O ₂ Barrier Pipe, 100 ft coil (30.5 m)	100 ft	11.4	25.0	1 coil
136283-111	1 1/4 in. RAUPEX O ₂ Barrier Pipe, 1,000 ft coil (304.8 m)	1000 ft	114.0	250.0	1 coil

1 1/2 in. RAUPEX O ₂ Barrier Pipe					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
136293-100	1 1/2 in. RAUPEX O ₂ Barrier Pipe, 100 ft coil (30.5 m)	100 ft	16.0	35.0	1 coil

2 in. RAUPEX O ₂ Barrier Pipe					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
136303-100	2 in. RAUPEX O ₂ Barrier Pipe, 100 ft coil (30.5 m)	100 ft	27.4	60.0	1 coil



RAUPEX O ₂ Barrier Pipe 20 ft Straight Lengths					
Article No.	Description	Package Quantity Bag	Unit Weight kg	Unit Weight lb	Minimum Order
136051-020	3/4 in. RAUPEX O ₂ Barrier Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.0	2.2	1 bag
136011-020	1 in. RAUPEX O ₂ Barrier Pipe, 20 ft (6.1 m)	25 pcs (500 ft)	1.6	3.5	1 bag
136283-020	1 1/4 in. RAUPEX O ₂ Barrier Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	2.3	5.0	1 bag
136293-020	1 1/2 in. RAUPEX O ₂ Barrier Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	3.2	7.0	1 bag
136303-020	2 in. RAUPEX O ₂ Barrier Pipe, 20 ft (6.1 m)	5 pcs (100 ft)	5.5	12.0	1 bag

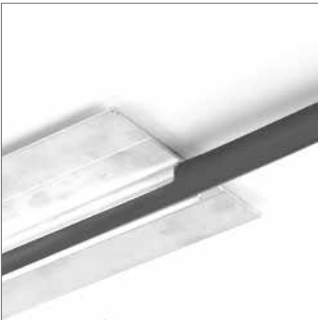
2. RADIANT HEATING PLATE SYSTEMS

Aluminum heat transfer plates are used in joist space installations to enhance heat transfer and improve efficiency. Radiant heating plate systems outperform talon-up joist space construction installations. Plate systems are suitable for both new construction and retrofit residential applications.



RAUPLATE™ Radiant Heating System							
Article No.	Description	Nominal Length		Package Quantity	Unit Weight		Minimum Order
		m	ft		kg	lb	
298926-001	RAUPLATE Heat Transfer Plate For 1.2 in. RAUPEX	1.2	4	20 pcs/box	0.70	1.50	1 box

RAUPLATE heat transfer plates are designed with two pipe channels 8 in. on-center. RAUPLATE is screwed to the underside of the subfloor in the joist space and RAUPEX pipe snaps into the plates. Plates measure 8.7 x 47 in (22 x 119 cm).



Heat Transfer Plates, Heavy Gauge					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
235962	Heat Transfer Plate, Heavy Gauge for 3/8 in. RAUPEX	20 pcs/carton	495	1.09	1 carton
235972	Heat Transfer Plate, Heavy Gauge for 1/2 in. RAUPEX	20 pcs/carton	509	1.12	1 carton

Aluminum heat transfer plates are screwed into the joist space and RAUPEX pipe to snap into the plates. Plates measure 3.5 x 48 in (8.9 x 121.9 cm) with pre-drilled 1/8 in. holes.

3. RADIANT HEATING PANEL SYSTEMS

Radiant heating panel systems are installed directly on top of the subfloor, and for some installations in walls or ceilings behind gypsum board.



Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235307	RAUPANEL (6 ft lengths)	96 ft / 16 pcs/box	1.73	3.80	1 box
235327-PLY	RAUPANEL 6 in. Plywood Return Bend (4 returns)	32 ft / 8 pcs/box	1.82	4.00	1 box
235337-PLY	RAUPANEL 8 in. Plywood Return Bend (3 returns)	32 ft / 8 pcs/box	2.05	4.50	1 box
235377-PLY	RAUPANEL 2 in. Plywood Furring Strip	136 ft / 34 pcs/box	0.45	1.00	1 box
235387	Deburring Tool	10 pcs/box	0.02	0.05	1 box

Furring strips are to be used in conjunction with 8 in. return bends to facilitate proper spacing of RAUPANEL and to provide a nailing surface for the floor covering. Reference the table below for product dimensions and square footage. Follow *RAUPANEL System Installation Guide* (855.625) for instructions on design and use of this product. RAUPANEL is 5/8 in. thick and designed for use with 3/8 in. RAUPEX O₂ barrier pipe.



Table of Dimensions

Article No.	Dimensions L x W x H	ft ² /pc	ft ² /pkg	m ² /pc	m ² /pkg
235307	72 x 6 x 5/8 in.	3.0	48.0	0.279	4.459
235327-PLY	48 x 8 x 5/8 in.	2.7	21.3	0.251	1.979
235337-PLY	48 x 9 x 5/8 in.	3.0	24.0	0.279	2.230
235377-PLY	48 x 1 15/16 x 5/8 in.	0.7	22.7	0.065	2.110

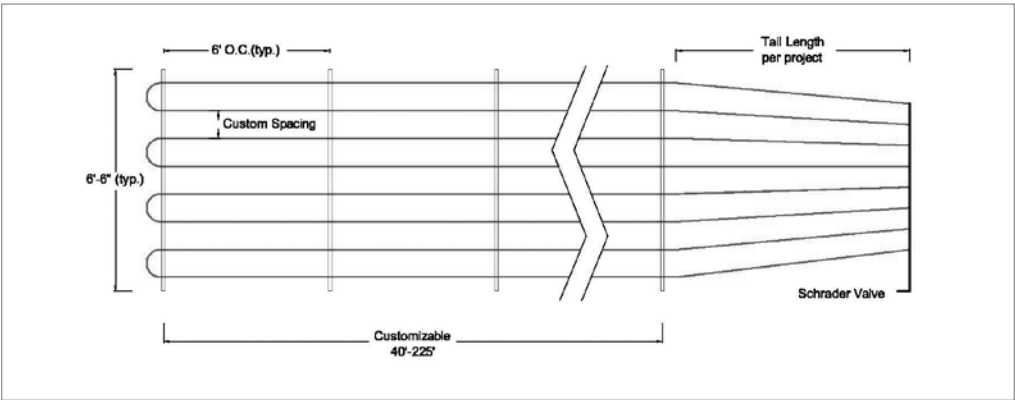


Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
298896-001	RAUBOARD Double Groove	6 pcs/bundle	2.3	5.0	1 bundle
298796-001	RAUBOARD Single Groove	6 pcs/bundle	1.1	2.5	1 bundle
298396-001	RAUBOARD Return Groove	6 pcs/bundle	1.1	2.4	1 bundle
136549-001	10.1 mm RAUPEX O ₂ Barrier Pipe, 1000 ft coil (304.8 m)	1000 ft	11.8	26.0	1 coil
136549-500	10.1 mm RAUPEX O ₂ Barrier Pipe, 500 ft coil (152.4 m)	500 ft	5.9	13.0	1 coil
200526-001	10.1 mm SDR11 Coupling	10 pcs/box	0.02	0.04	1 box
200536-001	10.1 mm SDR11 Sleeve	10 pcs/box	0.01	0.02	1 box
200546-001	10.1 mm RAUPEX x R-20 Brass Manifold Outlet	2 pcs/bag	0.06	0.14	1 bag
228950-002	10.1 mm Polymer Support Bend	100 pcs/box	0.02	0.06	1 box
228396-001	RAUTOOL K10 Tool Kit	1	2.3	5.0	1

RAUBOARD low-profile heat transfer panels are screwed to the subfloor or wall/ceiling joists, then the 10.1 mm RAUPEX pipe snaps into the groove. A small bead of silicone is applied to the groove before installing the pipe. RAUBOARD panels measure 1/2 in. thick with pipe spacing of 6 in (152 mm) on-center.

4. RADIANT HEATING MAT SYSTEMS

RAUMAT™ is a pre-assembled roll of RAUPEX O₂ barrier pipe intended for radiant heating and cooling systems to be installed in large, open slab areas. RAUMAT is custom designed and built to project-specific requirements. Contact your local REHAU sales office for availability. RAUMAT is custom-made for each project, therefore article numbers, pricing, options and lead times vary.



RAUMAT Pre-assembled Radiant Mat System With 3/4 in. RAUPEX Pipe	
Options	
Length	Custom lengths 40 to 250 ft
Width	Custom width up to 6.5 ft
Spacing	Custom spacing
Pipe	RAUPEX O ₂ barrier 3/4 in.
Circuits	Up to 5 circuits per RAUMAT (equal length)
Tails	Customizable per project requirements
Supports	PEX rails every 6 ft
Pre-pressurization	Pressure tested at factory (20 psi), kept under pressure when delivered to project site

RAUMAT Pre-assembled Radiant Mat System With 5/8 in. RAUPEX Pipe	
Options	
Length	Custom lengths 40 to 250 ft
Width	Custom width up to 6.5 ft
Spacing	Custom spacing (1 in. OC increments)
Pipe	RAUPEX O ₂ barrier 5/8 in.
Circuits	Up to 5 circuits per RAUMAT (equal length)
Tails	Customizable per project requirements
Supports	PEX rails every 6 ft
Pre-pressurization	Pressure tested at factory (20 psi), kept under pressure when delivered to project site

RAUMAT is custom-made for each project, therefore article numbers, pricing, options and lead times vary. Contact your local REHAU sales office for availability.

RAUPEX® SPEED Hook-and-Loop Radiant System

RAUPEX SPEED hook-and-loop system is used in floors to efficiently and evenly distribute heat/cold from RAUPEX SPEED pipe into the room. The system can be installed in a normal concrete slab on grade, suspended slab or above suspended wood floor and encased in a thin slab overpour.



1/2 in. RAUPEX SPEED O ₂ Barrier Pipe					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
160950-300	1/2 in. RAUPEX SPEED O ₂ Barrier Pipe, 300 ft coil (91.4 m)	300 ft	7.8	17.2	1 coil
160950-001	1/2 in. RAUPEX SPEED O ₂ Barrier Pipe, 1,000 ft coil (304.8 m)	1,000 ft	26.3	57.9	1 coil

RAUPEX SPEED O₂ barrier pipe includes a hook-and-loop wrap for easy fastening to the RAUPEX SPEED mat (Art. 316110-100).



RAUPEX SPEED Mats					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
316110-100	RAUPEX SPEED Mat R, Roll	161.4 ft ² (15m ²)	11.7	25.79	1 roll

The RAUPEX SPEED hook-and-loop mat has a coating of adhesive on the bottom which allows it to be installed on different insulation materials and substrates. The loop part of the "hook-and-loop system" on the top of the mat combined with the hook tape of the RAUPEX SPEED O₂ barrier pipe ensures very fast installation times.



RAUPEX SPEED Door Spreaders					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
104027-001	RAUPEX SPEED Door Spreader With Pipe Guide	1	1.10	2.42	1

The RAUPEX SPEED door spreader with pipe guide aids in the installation of the RAUPEX SPEED hook-and-loop radiant system by guiding the pipe above the mat during the installation process.



RAUPEX Horizontal Uncoilers					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
286151-002	RAUPEX Horizontal Uncoiler	1	13	28	1

Uncoiler dispenses RAUPEX pipe horizontally and is capable of holding RAUPEX coils up to 1 in.

5. PRO-BALANCE STAINLESS STEEL MANIFOLDS



PRO-BALANCE 1 in. Stainless Steel Manifold With Gauges

Article No.	Stations	Manifold Length		Package Quantity	Unit Weight		Minimum Order
		mm	in		kg	lb	
381101-001	1	254	9.98	1	2.4	5.3	1
381102-001	2	310	12.20	1	2.8	6.2	1
381103-001	3	365	14.37	1	3.2	7.1	1
381104-001	4	420	16.54	1	3.6	8.0	1
381105-001	5	475	18.7	1	4.0	8.9	1
381106-001	6	530	20.87	1	4.4	9.8	1
381107-001	7	585	23.03	1	4.9	10.7	1
381108-001	8	640	25.20	1	5.2	11.6	1
381109-001	9	695	27.36	1	5.7	12.5	1
381110-001	10	750	29.53	1	6.0	13.3	1
381111-001	11	805	31.69	1	6.5	14.3	1
381112-001	12	860	33.86	1	6.9	15.1	1

Delivered pre-assembled and ready to install. Use with 10.1 mm and 3/8, 1/2, 5/8 and 3/4 in. RAUPEX pipe. Compatible with REHAU manifold valve actuator (Art. 260166). Order manifold-to-pipe connectors separately (see R-20 compression-style manifold connections below).

Each PRO-BALANCE 1 in. manifold comes complete with the following:

- 1 in. NPT supply and return manifold isolation valves with gaskets and mini thermometers
- Visual flow gauges/isolation valves (0 to 2 GPM) on stainless steel supply header
- Circuit balancing/isolation valves on stainless steel return header
- Air vent drain valves with gaskets
- Mounting brackets
- Vent key and holder
- Installation instructions
- Manifold circuit chart

Notes:

- Manifold lengths above include the isolation ball valve 2.44 in (62 mm) and the air vent/boiler drain valves 2.24 in (57 mm)
- Maximum flow is 2.0 GPM (0.13 l/s) per circuit; and a total manifold flow of no more than 20 GPM (1.26 l/s)
- Depth of manifold is 3.9 in (10.0 cm) with bracket, valve and mini thermometer installed
- Can be joined to other manifold sections using 1 in. BSPP unions (Art. 316258-002)



RAUPEX Connections for PRO-BALANCE Stainless Steel Manifolds

Article No.	Description	Package Quantity			Unit Weight		Minimum Order
		Bag	Box	Carton	g	lb	
418315-001	3/8 in. RAUPEX x R-20 Nickel Plated Manifold Outlet	2	40	240	76	0.17	1 bag/2 connectors
418317-001	1/2 in. RAUPEX x R-20 Nickel Plated Manifold Outlet	2	40	240	73	0.16	1 bag/2 connectors
418318-001	5/8 in. RAUPEX x R-20 Nickel Plated Manifold Outlet	2	40	240	73	0.16	1 bag/2 connectors
418319-001	3/4 in. RAUPEX x R-20 Nickel Plated Manifold Outlet	2	24	144	132	0.29	1 bag/2 connectors

For use with 1 in. PRO-BALANCE stainless steel manifold. 3/8, 1/2 and 5/8 in. fittings include insert with O-ring, split brass ring and compression nut. 3/4 in. fitting includes R-20 x 1 in. bushing, 3/4 in. insert with O-ring, split brass ring and compression nut.

**PRO-BALANCE Stainless Steel Manifold Replacement Flow Gauges**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
316252-002	PRO-BALANCE 1 in. Flow Gauge Replacement Kit, Nickel Plated	1	85	0.19	1

PRO-BALANCE flow gauge kits can be used to replace flow gauges on the supply side of the PRO-BALANCE stainless steel manifolds and connect directly with a 3/8 in. threaded connection. The replacement flow gauges have an integrated shutoff valve that is manually activated with a common vent key. Install using thread sealant.

**PRO-BALANCE Stainless Steel Manifold Circuit Balancing/Isolation Valves**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
316254-002	PRO-BALANCE Circuit Balancing/Isolation Valve, Nickel Plated	1	90	0.19	1

Replacement circuit balancing/isolation valve for the return side of the 1 in. PRO-BALANCE stainless steel manifold. Install using thread sealant.

**PRO-BALANCE Stainless Steel Manifold Flow-stop Circuit Valves**

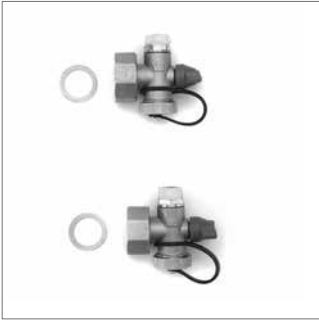
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
316255-002	PRO-BALANCE Flow-Stop Circuit Valve, Nickel Plated	5/box	0.12	0.26	1 box

This nickel plated 1/4 turn ball valve attaches to R-20 circuit outlets on the supply side of 1 in. PRO-BALANCE stainless steel manifold to allow for complete shut-off. Standard 1/4 in. vent key (supplied with each manifold) is used to operate the valve. Install flow-stop valves by hand onto R-20 outlets of the manifold. Do not use thread sealant. Thread the valve clockwise until it stops. If necessary, back the valve off to align the valve stem with the front of the manifold. may only be used with 3/8, 1/2 and 5/8 in. R-20 outlets.

**NPT Valve Set With Thermometer Housings for PRO-BALANCE 1 in. Stainless Steel Manifolds**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
316250-002	1 in. NPT Valve Set w/ Thermometer Housings, Nickel Plated	Set of 2	420	0.92	1 set

These valves have integrated thermometer housings on each side of the valve bodies. Mini thermometers (Art. 250218) can be set into these housings to give accurate readings of temperatures on both supply and return sides of any PRO-BALANCE 1 in. manifold. Includes gaskets. Mini thermometers are sold separately.



PRO-BALANCE Stainless Steel Manifold Air Vent/Boiler Drain Combination Set					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
316257-002	1 in. BSPP Air Vent/Boiler Drain Combination Set w/ Gaskets, Nickel Plated	1 set of 2	444	0.98	1 set

This set includes air vent/boiler drain combination pieces with union nuts and gaskets. Manual air vent opens with 1/4 in. vent key (supplied with each manifold). Boiler drain ball valve includes male garden hose thread (GHT). Gasketed caps included.



PRO-BALANCE Stainless Steel Manifold Union Sets					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
316258-002	1 in. BSPP Unions w/ Gaskets, Nickel Plated	1 set of 2	300	0.60	1 set

For use with 1 in. PRO-BALANCE stainless steel manifolds to connect two or more manifolds together in series. Includes union nuts and gaskets. May be used to extend an installed manifold.



PRO-BALANCE Stainless Steel Manifold End Caps					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
316248-002	1 in. Manifold End Cap w/ Gasket, Nickel Plated	1	100	0.22	1

Can be used to cap off end of any manifold header while eliminating usual end pieces. Includes gasket.

**PRO-BALANCE Stainless Steel Manifold BSPP 90° Angle Pieces**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
316249-002	1 in. BSPP 90° Angle Piece w/ Gasket, Nickel Plated	1	343	0.76	1

For 1 in. PRO-BALANCE stainless steel manifolds. Includes union nut and gasket. Can be used to install manifold isolation valves at a right angle to manifold.

**PRO-BALANCE Blind Plugs**

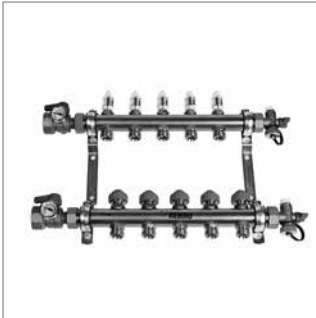
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
316264-002	Blind Plug 3/8 in. BSPP, Nickel Plated	1	17	0.04	1

PRO-BALANCE blind plugs are nickel-plated brass plugs with an EPDM O-ring and can be used in place of the PRO-BALANCE flow gauges on the supply side of the PRO-BALANCE stainless steel manifolds. Install using thread sealant.

**PRO-BALANCE Manifold Protective Caps**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
321531-100	PRO-BALANCE Protective Cap (White)	1	3.6	0.01	1

6. PRO-BALANCE BRASS MANIFOLDS



PRO-BALANCE 1 in. Brass Manifold With Gauges

Article No.	Stations	Manifold Length mm	Manifold Length in	Package Quantity	Unit Weight		Minimum Order
					kg	lb	
240021-100	2	310	12.20	1	2.8	6.2	1
240031-100	3	365	14.37	1	3.2	7.1	1
240041-100	4	420	16.54	1	3.6	8.0	1
240051-100	5	475	18.70	1	4.0	8.9	1
240061-100	6	530	20.87	1	4.4	9.8	1
240071-100	7	585	23.03	1	4.9	10.7	1
240081-100	8	640	25.20	1	5.2	11.6	1
240091-100	9	695	27.36	1	5.7	12.5	1
240101-100	10	750	29.53	1	6.0	13.3	1
240111-100	11	805	31.69	1	6.5	14.3	1
240121-100	12	860	33.86	1	6.9	15.1	1

Delivered pre-assembled and ready to install. Use with 10.1 mm and 3/8, 1/2, 5/8 and 3/4 in. RAUPEX pipe. Compatible with REHAU manifold valve actuator (Art. 20166). Order manifold-to-pipe connectors separately (see R-20 compression-style manifold connections).

Each PRO-BALANCE 1 in. manifold comes complete with the following:

- 1 in. NPT supply and return manifold isolation valves with gaskets and mini thermometers
- Visual flow gauges/isolation valves (0 to 2 GPM) on brass supply header
- Circuit balancing/isolation valves on brass return header
- Mounting brackets
- Air vent drain valves with gaskets
- Vent keys
- Four drywall screws and four sheet metal screws
- Installation instructions
- Manifold circuit chart

Notes:

- Manifold lengths above include the isolation ball valve 2.44 in (62 mm) and the air vent/boiler drain valves 2.24 in (57 mm)
- Maximum flow is 2.0 GPM (0.13 l/s) per circuit; and a total manifold flow of no more than 20 GPM (1.26 l/s)
- Depth of manifold is 3.9 in (10.0 cm) with bracket, valve and mini thermometer installed
- Can be joined to other manifold sections using 1 in. BSPP unions (Art. 260407) or 1 in. BSPF x 1 in. BSPF x 1 1/4 in. BSPM union tee (Art. 250227-001).



PRO-BALANCE 1 1/4 in. Brass Manifold With Gauges							
Article No.	Stations	Manifold Length mm	Manifold Length in	Package Quantity	Unit Weight		Minimum Order
281841-101	4	398	15.08	1	5.0	11.0	1
281851-101	5	453	17.06	1	5.4	12.0	1
281861-101	6	508	19.02	1	6.0	13.1	1
281871-101	7	563	20.99	1	6.5	14.2	1
281881-101	8	618	22.95	1	6.9	15.3	1
281891-101	9	673	24.92	1	7.5	16.4	1
281801-101	10	728	26.89	1	9.2	20.3	1

Delivered pre-assembled and ready to install. Use with 3/8, 1/2, 5/8 and 3/4 in. RAUPEX pipe. Compatible with Manifold Valve Actuator (Art. 260166). Order manifold-to-pipe connectors separately (see R-20 compression-style manifold connections)

Each manifold comes complete with:

- Installation instructions
- 1 1/4 in. NPT supply and return manifold isolation ball valves with thermometer sockets and flat gaskets
- Two 1 1/4 in. BSPP brass end caps with gaskets
- Visual flow gauges (0 to 4 GPM) on supply side
- Circuit balancing/isolation valves on return side
- Mounting brackets
- Four drywall screws
- Vent key
- Manifold circuit chart

Notes:

- Mini Thermometers (Art. 250218) sold separately
- Manifold lengths above include the isolation ball valve 3.86 in (98 mm)
- Maximum flow is 4.0 GPM (0.25 l/s) per circuit; 40 GPM (2.52 l/s) total
- Depth of manifold is 4.50 in (11.4 cm) with bracket, valve and mini thermometer installed
- Can be joined to other manifold sections using 1 1/4 in. BSPP unions (Art. 281971-001) or 1 1/4 in. BSPF x 1 1/4 in. BSPF x 1 1/4 in. BSPM Union Tee (Art. 250228-001).



RAUPEX Connections for PRO-BALANCE Brass Manifolds							
Article No.	Description	Package Quantity			Unit Weight		Minimum Order
267507-101	3/8 in. RAUPEX x R-20 Brass Manifold Outlet	2	40	240	76	0.17	1 bag/2 connectors
261007-101	1/2 in. RAUPEX x R-20 Brass Manifold Outlet	2	40	240	73	0.16	1 bag/2 connectors
267557-101	5/8 in. RAUPEX x R-20 Brass Manifold Outlet	2	40	240	73	0.16	1 bag/2 connectors
267007-101	3/4 in. RAUPEX x R-20 Brass Manifold Outlet	2	24	144	132	0.29	1 bag/2 connectors
267007-100	EPDM O-ring for RAUPEX Insert to R-20 Connection	10	500	n/a	0.91	0.002	1 bag/10 rings

For use with 1 and 1 1/4 in. PRO-BALANCE manifolds. 3/8, 1/2 and 5/8 in. fittings include insert with O-ring, split brass ring and compression nut. 3/4 in. fitting includes R-20 x 1 in. bushing, 3/4 in. insert with O-ring, split brass ring and compression nut.

**PRO-BALANCE Brass Manifold Replacement Flow Gauges**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250220-002	PRO-BALANCE 1 in. Flow Gauge Replacement Kit	1	85	0.19	1
281901-101	PRO-BALANCE 1 1/4 in. Flow Gauge Replacement Kit	1	85	0.19	1

PRO-BALANCE flow gauge kits can be used to replace PRO-BALANCE flow gauges on the supply side of the PRO-BALANCE brass manifolds and connect directly with a 3/8 in. threaded connection. The 1 in. gauge has an integrated shutoff valve that is manually activated with a common vent key. Install using thread sealant.

**PRO-BALANCE Brass Manifold Circuit Balancing/Isolation Valves**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250221	PRO-BALANCE Circuit Balancing/Isolation Valve	1	90	0.19	1

Replacement circuit balancing/isolation valve for the return side of the 1 and 1 1/4 in. PRO-BALANCE manifold. Install using thread sealant.

**PRO-BALANCE Brass Manifold Flow-Stop Circuit Valves**

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
250224	PRO-BALANCE Flow-stop Circuit Valve	5/box	0.12	0.26	1 box

This brass 1/4 turn ball valve attaches to R-20 circuit outlets on the supply side of 1 and 1 1/4 in. PRO-BALANCE manifolds to allow for complete shut-off. Standard 1/4 in. vent key (supplied with each manifold) is used to operate the valve. Install flow-stop valves by hand onto R-20 outlets of the PRO-BALANCE 1 in. manifold. Do not use thread sealant. Thread the valve clockwise until it stops. If necessary, back the valve off to align the valve stem with the front of the manifold. May only be used with 3/8, 1/2 and 5/8 in. R-20 outlets.

**NPT Valve Set With Thermometer Housings for PRO-BALANCE 1 in. Brass Manifolds**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250216	1 in. NPT Valve Set w/ Thermometer Housings	Set of 2	420	0.92	1 set

These valves have integrated thermometer housings on each side of the valve bodies. Mini Thermometers (Art. 250218) can be set into these housings to give accurate readings of temperatures on both supply and return sides of any PRO-BALANCE 1 in. manifold. Includes gaskets. Mini thermometers are sold separately.

**PRO-BALANCE 1 1/4 in. Brass Manifold NPT Isolation Ball Valve Sets**

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
281931-001	1 1/4 in. NPT Isolation Valve Set w/ Gaskets	1 set of 2	2.1	4.63	1 set

These valves have integrated thermometer housings on each side of the valve bodies. Mini thermometers (Art. 250218) can be set into these housings to give accurate readings of temperatures on both supply and return sides of any PRO-BALANCE 1 1/4 in. manifold. Includes gaskets. Mini thermometers are sold separately.



PRO-BALANCE Brass Manifold Air Vent/Boiler Drain Combination Sets

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250226	1 in. BSPP Air Vent/Boiler Drain Combination Set w/ Gaskets	1 set of 2	444	0.98	1 set

This set includes air vent/boiler drain combination pieces with union nuts and gaskets. Manual air vent opens with 1/4 in. vent key (supplied with each manifold). Boiler drain ball valve includes male garden hose thread (GHT) for convenient connections. Gasketed caps included.



PRO-BALANCE Brass Manifold Automatic Air Vents

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250212	Automatic Air Vent 3/8 in. BSPP	1	142	0.31	1

For 1 and 1 1/4 in. PRO-BALANCE manifolds. Can be used to replace manual air vent on air vent/boiler drain pieces (Art. 250226) to allow automatic elimination of entrained air in a hydronic system.



PRO-BALANCE Brass Manifold Union Sets

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
260407	1 in. BSPP Unions w/ Gaskets	1 set of 2	300	0.60	1 set
281971-001	1 1/4 in. BSPP Unions w/ Gaskets	1 set of 2	220	0.49	1 set

For use with 1 and 1 1/4 in. PRO-BALANCE manifolds to connect two or more manifolds together in series. Includes union nuts and gaskets. May be used to extend an installed manifold.



PRO-BALANCE 1 1/4 in. Brass Manifold Adapter Fittings

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
298986-001	1 1/4 in. BSPF x 1 in. BSPM Adapter	1 set of 2	129	0.28	1 set

For use with PRO-BALANCE 1 1/4 in. brass manifolds to transition 1 1/4 in. BSPF x 1 in. BSPM in order to use air vent/boiler drain combination set (Art. 250226).



PRO-BALANCE Brass Manifold End Caps

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250213	1 in. Manifold End Cap w/ Gasket	1	100	0.22	1
281951-001	1 1/4 in. Manifold End Cap w/ Gasket	1	100	0.22	1

Can be used to cap off end of any manifold header while eliminating usual end pieces. Includes gasket.



PRO-BALANCE Brass Manifold BSPP 90° Angle Pieces					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250214	1 in. BSPP 90° Angle Piece w/ Gasket	1	343	0.76	1
281981-001	1 1/4 in. BSPP 90° Angle Piece w/ Gasket	1	418	0.92	1

For 1 and 1 1/4 in. PRO-BALANCE manifolds. Includes union nut and gasket. Can be used to install manifold isolation valves at a right angle to manifold.



PRO-BALANCE Blind Plugs					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
298186-001	Blind Plug 3/8 in. BSPP	1	17	0.04	1

PRO-BALANCE blind plugs are nickel-plated brass plugs with an EPDM O-ring and can be used in place of the PRO-BALANCE 1 and 1 1/4 in. flow gauges on the supply side of the PRO-BALANCE brass manifolds. Install using thread sealant.



PRO-BALANCE Manifold Protective Caps					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
298996-100	PRO-BALANCE Protective Cap (Blue)	1	3.6	0.01	1

7. PRO-BALANCE MANIFOLD ACCESSORIES



PRO-BALANCE Manifold Extension Kits

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
250225-100	Extension Kit for PRO-BALANCE Manifolds	1	1.0	2.2	1

Used to add a circuit to an existing PRO-BALANCE 1 in. manifold. The extension kit includes a supply section with a visual flow gauge, a return section with a circuit balancing/isolation valve and two gaskets.



PRO-BALANCE Pressure Differential Bypass Modules

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
281541-001	PRO-BALANCE Pressure Differential Bypass Module	1	1.3	2.8	1

This modular accessory connects directly to PRO-BALANCE manifold. Normally, a constant speed circulator is sized assuming that all circuits in a zone valve system may be open. The pressure differential bypass module provides a means to control the excess flow (velocity) that would otherwise occur when actuators close. Installation of this module onto the 1 in. PRO-BALANCE manifolds creates an automatically regulated flow path such that operating zone circuits do not see unnecessarily high flow.



PRO-BALANCE Manifold Flow Setter Valves

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
244807-001	1/2 to 4 GPM PRO-BALANCE Flow Setter Valve	1	760	1.67	1

PRO-BALANCE flow setter valves are used to set flow to PRO-BALANCE 1 in. manifolds and can be installed in-line into any pipe feeding a manifold. This is ideal when multiple manifolds are fed from a single circulator and flow needs to be set correctly to each. PRO-BALANCE flow setter valves are also used in variable speed injection pump mixing systems to set the flow through the injection loop.

PRO-BALANCE flow setter valves are supplied with two gaskets and adapters converting to 1 in. MPT.



PRO-BALANCE Mixing Modules

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
281501-001	PRO-BALANCE Mixing Module	1	4.10	9	1

Intended for small radiant heating applications using a fixed "set point" temperature supply. Designed to fit directly to the left or right of the PRO-BALANCE manifold. The supply temperature to the manifold may be adjusted between 68 and 158°F (20 and 70°C), by means of temperature controlled injection valve. The injection valve has features that can limit the manual adjustment of the valve to prevent tampering and/or over-heating. The module pump would be typically energized by a room thermostat via a relay. The relay could be energized by a thermostat or via the end of the actuator of one of the REHAU electronic boxes.

Specifications:

- Max. acceptable working temperature/pressure:
- Pump:

176°F (80°C) / 87 psi (6 bar)

Grundfos UP 15-58-130 mm 1 in. BSPM connections; 3-speed cast iron "SUPERBRUTE"; Integral check valve; 115 VAC, 2 pole, single phase; Flow range: 0 to 17.5 US GPM; Head range: 0 to 19 ft



PRO-BALANCE Manifold Circuit Outlet Caps

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250209-C	R-20 Circuit Outlet Cap w/ Gasket	1	28	0.07	1

Circuit outlet cap is used to cap off unused outlets on any 1 and 1 1/4 in. PRO-BALANCE manifold. Includes gasket.



PRO-BALANCE Manifold Union Tee Sets

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
250227-001	1 in. BSPP Manifold Union Tee w/ Gaskets	1 set of 2	0.60	1.32	1 set
250228-001	1 1/4 in. BSPP Manifold Union Tee w/ Gaskets	1 set of 2	1.50	3.30	1 set

Male thread connections for Manifold Union Tee Sets are 1 1/4 in. BSPM. Sets are supplied with gaskets.



PRO-BALANCE Manifold Mini Thermometers

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250218	Mini Thermometer	1	24	0.05	1

Mini thermometers can be set into the housings on 1 1/4 or 1 in. NPT valves with thermometer housings to give accurate readings of temperatures on both supply and return sides of any PRO-BALANCE manifold (for use only with these valves). Thermometers read from 40 to 200°F and 0 to 100°C. Valves sold separately.



PRO-BALANCE Manifold Gaskets

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
250203-G	Gasket for 1 in. Manifold Valve	1	0.91	0.002	1
281811-001	Gasket for 1 1/4 in. Manifold Valve	1	2.30	0.005	1



PRO-BALANCE Manifold Brackets

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
261386	1 1/4 in. Steel Manifold Brackets	Set of 2	0.45	1.0	1 set
261396	1 1/2 in. Steel Manifold Brackets	Set of 2	0.50	1.1	1 set

Steel manifold brackets are for use with PRO-BALANCE 1 in. and 1 1/4 in. manifolds



PRO-BALANCE White Surface Mount Manifold Cabinets						
Article No.	Description	Typical Station Configuration	Package Quantity	Unit Weight kg lb		Minimum Order
347400-512	White Surface Mount Manifold Cabinet 16W	Up to 3	1	12.5	27.6	1
347410-512	White Surface Mount Manifold Cabinet 20W	Up To 5	1	16.1	35.5	1
347420-512	White Surface Mount Manifold Cabinet 28W	Up to 8	1	19.1	42.1	1
347430-512	White Surface Mount Manifold Cabinet 36W	Up to 11	1	22.7	50.0	1
347440-512	White Surface Mount Manifold Cabinet 44W	Up to 12	1	23.9	52.7	1
347450-512	White Surface Mount Manifold Cabinet 50W	Up to 12	1	26.8	59.1	1

PRO-BALANCE manifold cabinets for surface installations. The cabinets are made from galvanized steel with basic white powder coat finish (RAL 9016 / Pantone 705). Internal brackets allow for mounting of PRO-BALANCE 1 and 1/4 in. manifolds. Removable coverplate below door extends cabinet opening to the floor (27 in / 69 cm). Cabinet steel door includes lock.

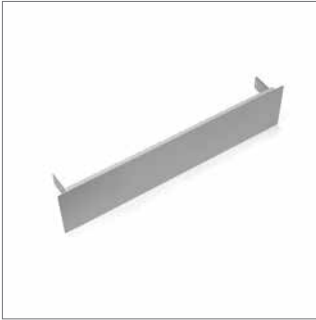
PRO-BALANCE Stainless Steel Surface Mount Manifold Cabinets						
Article No.	Description	Typical Station Configuration	Package Quantity	Unit Weight kg lb		Minimum Order
316853-512	Stainless Surface Mount Manifold Cabinet 16W	Up to 3	1	12.5	27.6	1
316854-512	Stainless Surface Mount Manifold Cabinet 20W	Up To 5	1	16.1	35.5	1
316855-512	Stainless Surface Mount Manifold Cabinet 28W	Up to 8	1	19.1	42.1	1
316856-512	Stainless Surface Mount Manifold Cabinet 36W	Up to 11	1	22.7	50.0	1
316857-512	Stainless Surface Mount Manifold Cabinet 44W	Up to 12	1	23.9	52.7	1
316858-512	Stainless Surface Mount Manifold Cabinet 50W	Up to 12	1	26.8	59.1	1

PRO-BALANCE manifold cabinets for surface installations. The cabinets are made from 304 stainless. Internal brackets allow for mounting of PRO-BALANCE 1 and 1/4 in. manifolds. Removable coverplate below door extends cabinet opening to the floor (27 in / 69 cm). Cabinet steel door includes lock.



PRO-BALANCE White Flush Mount Manifold Cabinets						
Article No.	Description	Typical Station Configuration	Package Quantity	Unit Weight kg lb		Minimum Order
345400-512	White Flush Mount Manifold Cabinet 16W	Up to 3	1	13.7	30.2	1
345410-512	White Flush Mount Manifold Cabinet 20W	Up to 5	1	17.4	38.4	1
345420-512	White Flush Mount Manifold Cabinet 28W	Up to 8	1	20.3	44.8	1
345430-512	White Flush Mount Manifold Cabinet 36W	Up to 11	1	23.2	51.1	1
345440-512	White Flush Mount Manifold Cabinet 44W	Up to 12	1	26.6	58.6	1
345450-512	White Flush Mount Manifold Cabinet 50W	Up to 12	1	30.1	66.4	1

PRO-BALANCE manifold cabinets for flush installation. The cabinets are made from galvanized steel and the frame/door assembly is basic white powder coat finish (RAL 9016 / Pantone 705). Internal brackets allow for mounting of PRO-BALANCE manifolds. Pipe knockouts on both sides allow for pipe connections to the manifold. Cabinet has adjustable legs (0 - 5.7 in / 0 - 15 cm) and screed coverplate (sold separately) to stand the cabinet on the floor with an existing opening. Legs may be removed and the enclosure can be mounted in the wall cavity. The frame/door assembly is adjustable to account for the thickness of the gypsum or other wall coverings (0 - 1.5 in / 0 - 4 cm). Cabinet steel door includes lock.



PRO-BALANCE White Flush Mount Manifold Cabinet Screed Plates					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
217637-001	Screed Coverplate for White Flush Cabinet 16W	1	0.7	1.5	1
217642-001	Screed Coverplate for White Flush Cabinet 20W	1	0.8	1.8	1
217647-001	Screed Coverplate for White Flush Cabinet 28W	1	1.1	2.4	1
217652-001	Screed Coverplate for White Flush Cabinet 36W	1	1.4	3.0	1
217657-001	Screed Coverplate for White Flush Cabinet 44W	1	1.6	3.6	1
217662-001	Screed Coverplate for White Flush Cabinet 50W	1	1.8	4.1	1

Manifold cabinet screed coverplate used to finish opening for flush mounted cabinets when installed standing on the floor.



PRO-BALANCE Manifold Cabinet Locks					
Article No.	Description	Mounting Hole	Unit Weight		Minimum Order
			g	lb	
217688-001	Keyed Lock for 34XXXX Manifold Cabinets	19 mm square	41	0.09	1 set
298606-001	Keyed Lock for 24XXXX Manifold Cabinets	15 x 18 mm double-D	41	0.09	1 set

Manifold cabinet lock with two keys can be used to replace the pre-installed clip-locks on all manifold cabinets.

8. REHAU SMART CONTROLS



REHAU Smart Controls (RSC) is an intelligent climate control technology, scaleable from small residential heating systems to complex, high-end residential and light commercial applications. The system incorporates real-time weather data for enhanced efficiency and effectiveness, a statistical database to track system performance and established rules that create a customizable indoor climate. The REHAU Smart Controls system will enable real-time on-site or remote management and optimization of HVAC system functioning from any web-enabled device.

REHAU Smart Controls Packages are custom-made for each project, therefore article numbers, pricing, options and lead times vary. Contact your REHAU sales office for a custom quote.

REHAU Smart Controls Packages	
Description	Total Outputs + Zones
RSC Bronze Package	20
RSC Silver Package	30
RSC Gold Package	40
RSC Platinum Package	90
RSC Platinum+ Package	150

Software Option	Description
Weather Forecast	Interfaces with the National Weather Service and Canadian Weather Service and provides access to current and forecasted temperatures, humidity, rain and snow.
Macros	Commands that can be set up to make dynamic changes to the operation of any system under control of ENV (e.g., thermostat setpoints and modes, domestic hot water).
Data Charts & Monitor	Store data fields in a database on a continuous basis (e.g., temperatures, on/off). Monitors look at data fields in real time.
Automatic Back-ups	Nightly backup database to a hard drive, external drive or to the cloud.
Heartbeat Alerts	Alerts for operational or system problems sent as text or email messages.
Visualizer	Graphical package used to view system diagrams (e.g., mechanical room, schematics, floor plans).
Customer Care	3-year agreement that provides access to all new major product releases and two hours of telephone support.
Building Automation Interface	Provides an XML interface to any external system to gain access to most database fields (e.g., setpoints, temperatures).
Snow & Ice Melt Interface	Handles an unlimited number of zones. Uses weather forecasts to start an idle cycle well ahead of the advent of a snow event and based on a confidence calculation. Requires basic software packages (e.g., Bronze, Silver)

Software Options									
Package	Weather Forecast	Macros	Data Charts & Monitor	Auto. Back-ups	Heartbeat Alerts	Dynamic Weather Adjustments	Visualizer	Customer Care	Building Automation Interface
Bronze	X	X							
Silver	X	X							
Gold	X	X	X	X	X	X			
Platinum	X	X	X	X	X	X	X	X	
Platinum+	X	X	X	X	X	X	X	X	X

9. ZONE CONTROLS AND THERMOSTATS



Manifold Actuator Controls— Wiring Junction Box with Transformers

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
298276-001	4 Manifold Actuator Control	1	2.45	5.45	1
298286-001	6 Manifold Actuator Control	1	2.68	5.87	1

The REHAU manifold actuator controls are designed to simplify the wiring process. Easy to follow PC board and secure screw terminal layout eliminates problems caused by incorrect wiring. External indicator lights confirm operation sequence and diagnostic feedback. The unit includes two built-in 40 VA transformers. Extra fuses provided.



Zone Pump Relay Controls— Wiring Junction Box with Transformer and Priority

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
298726-001	3 Zone Pump Relay Control	1	1.49	3.28	1
298756-001	4 Zone Pump Relay Control	1	1.52	3.35	1
298766-001	6 Zone Pump Relay Control	1	1.64	3.62	1

The REHAU zone pump relay controls are designed to simplify the wiring process. Easy to follow PC board and secure screw terminal layout eliminates problems caused by incorrect wiring. External indicator lights confirm operation sequence and diagnostic feedback. Each unit includes a 15 VA transformer ready to power thermostats. Relays are individually fuse protected. Two spare fuses built-in.



Zone Control Modules

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
243047-001	Zone Control, 4 Zone Module	1	0.45	1.0	1
243077-001 ⁺	Zone Control, 6 Zone Module	1	0.56	1.2	1

⁺ This item is not stocked. Lead times may vary.

The zone control module provides a convenient low-voltage wiring panel for thermostats and manifold valve actuators. The zone control module is for use with REHAU thermostats (Art. 236477-001, 236487-001, 398022-001 and 398023-001) and manifold valve actuators (Art. 260166, 260167).

The zone control module may control up to four zones (thermostats), with up to eight actuators (maximum two per zone). Each zone has a terminal for end-switch wires, provided on REHAU manifold valve actuators, to operate circulator pumps, boiler, etc. (through a separate low-voltage relay). For more than four zones (thermostats), additional modules can be connected using standard wire.



Dual Sensing Dial Thermostats					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
236477-001	Dual Sensing Dial Thermostat	1	84	0.185	1

The display on this 3-wire thermostat is a simple easy-to-use dial with a red LED that is lit when there is a call for heat. With the optional floor sensor, this thermostat can regulate either the floor or the room temperature or both, in which case the floor sensor is used as a temperature limiter, either high or low limit. This thermostat also comes with both °F and °C dials.

This thermostat has a 4x DIP switch which allows for limited programming and system configuration. This includes setting high and low floor temperature limits and allowing the thermostat to operate as a simple on/off switch or with PWM anticipation logic.

This thermostat can directly control up to four manifold valve actuators (Art. 260166), either independently or when used with REHAU electronic controls. The thermostat may also be used to control relays and other low voltage controls. This thermostat uses silent operation electronic triac output. 18 AWG or similar wire is recommended for all 24 VAC wiring.

Notes:

- Floor/slab sensor requires two additional wires—from slab sensor to thermostat
- Daily programming is not offered on this thermostat
- Requires 24 VAC power source
- For optional floor sensor use Art. 236497-001



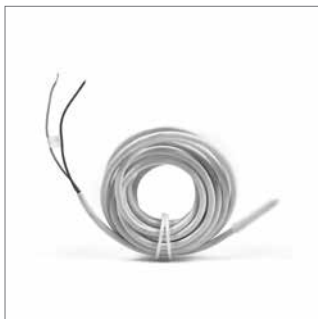
Dual Sensing Digital Thermostats					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
236487-002	Dual Sensing Digital Thermostat	1	96	0.21	1

This 3-wire thermostat offers system set-up capabilities with simple, easy-to-use menus. There is a reduced operating mode which may be used for nighttime and vacation periods. With the optional floor sensor this thermostat can regulate either the floor or the room temperature or both. In that case the floor sensor is used as a temperature limiter, either high or low limit. Additional features include pump exercise, °F or °C capabilities and air/floor priority.

This thermostat can directly control up to four manifold valve actuators (Art. 260166), either independently or when used with REHAU electronic controls. Thermostat may also be used to control relays and other low voltage controls. This thermostat uses silent operation electronic triac output. 18 AWG or similar wire is recommended for all 24 VAC wiring.

Notes:

- Floor/slab sensor requires two additional wires—from slab sensor to thermostat
- Requires 24 VAC power source
- For optional floor sensor use Art. 236497-001



10K Floor Sensors					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
236497-001	10K Floor Sensor (9.8 ft / 3 m)	1	62	0.14	1

Optional floor sensor for dual sensing thermostats. To be used only with Dual Sensing Dial Thermostat (Art. 236477-001) or Dual Sensing Digital Thermostat (Art. 236487-001).



Single-Stage Non-programmable Radiant Heating Thermostats With Floor Sensor

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
398022-001*	Single-stage Non-programmable RFH Thermostat (519)	1	0.27	0.60	1

* This item is not stocked. Lead times may vary.

Single-stage non-programmable radiant heating thermostat with floor sensor is designed specifically to control hydronic radiant heating zones using pulse width modulation (PWM) technology. Simple up and down buttons and a display with large type make this thermostat easy to read and use. Included slab sensor measures radiant floor temperature to protect the floor from overheating and to enhance comfort.

The thermostat requires 24 VAC power supply and can be used to directly control up to seven REHAU manifold actuators (Art. 260166, 260167). This thermostat can also be used with REHAU zone controls. 4-conductor 18 AWG or similar wire is recommended for all 24 VAC wiring.



Two-stage Programmable Radiant Heating Thermostats with Floor Sensor

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
398023-001	Two-stage Programmable RFH Thermostat (521)	1	0.27	0.60	1

Two-stage programmable radiant heating thermostat offers three modes of operation: one stage of heating, one stage of heating and one stage of cooling with fan, or two stages of heating with fan. Included slab sensor measures radiant floor temperature to protect the floor from overheating and to enhance comfort. The programmable schedule supports either a 7-day or 24-hour schedule with 2 or 4 events per day. A permanent temperature hold button overrides the programmable schedule.

The thermostat requires 24 VAC power supply and can be used to directly control up to seven REHAU manifold actuators (Art. 260166, 260167). This thermostat can also be used with REHAU zone controls. 4-conductor 18 AWG or similar wire is recommended for all 24 VAC wiring.



Accessories for Digital Thermostats

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
236397	Floor Sensor for Digital Thermostat	1	26	0.06	1
315837-001	Adapter Plate for Thermostats (519)(521)	1	50	0.10	1

The floor sensor (Art. 236397) can be used for floor warming applications and/or to help limit (maximum and/or minimum) floor temperatures. Sensor is completely encased in a protective jacket and can be encased in concrete (it is recommended to slide sensor through a short protective conduit where the wires enter/exit the concrete or gypsum cement). Sensor comes with 10 ft (3 m) of 2-conductor wire.

The Adaptor Plate (Art. 315837-001) covers the paint ring left behind when replacing other thermostats, so that no patching or painting the wall is required. The plate also allows the thermostat to be installed onto a single-gang electrical box and includes screws for mounting the adaptor plate and the device that attaches to it. This adaptor is compatible with thermostats Art. 398022-001 and Art. 398023-001.



Flush Mount Indoor Sensors

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
315838-001	Flush Mount Indoor Sensor	1	50	0.1	1

The flush mount indoor sensor mounts flush or nearly flush to the wall. Sensor material is corrosion resistant, allowing drywall installers to mud over the sensor, or the sensor can be painted to match the existing wall color. The sensor can only be connected to thermostats Art. 398022-001 or Art. 398023-001 for remote temperature sensing.

**4-wire Manifold Valve Actuator for PRO-BALANCE Manifolds**

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
260166	4-wire Manifold Valve Actuator	1	131	0.29	1

The 4-wire manifold valve actuator is used to open and close circuit valves on the 1 and 1 1/4 in. PRO-BALANCE manifolds. Use REHAU thermostats to control actuators directly, or connect through REHAU electronic controls.

Features and specifications:

- Gray position indicator provides visual verification of the actuator's position. When the actuator is off and closed, the gray indicator is flush with the top of the actuator. When the actuator is on and open, the gray indicator will rise out of the top of the actuator and be visible from the side.
- Red pull-out tab is provided to allow easy installation onto the manifold. After installation, remove red tab.
- A dry-contact end switch is built into the actuator. This end switch can be used to operate 24 VAC (2 amps max.) relays for pumps and other devices and can be wired so that pumps turn on only when actuator is fully open.
- If required, connect the green end switch wires to a suitable 24 VAC-powered relay to activate a device to be operated by the actuator's end switch or connect these wires directly into an appropriate zone control module.
- 24 VAC "thermal motor" heating element melts a wax cartridge, allowing the actuator to open when there is a call for heat (power on). When the power is off, the wax cools and closes the valve (normally closed). Operation takes 3-4 minutes.
- 4 wires: blue/brown – apply 24 VAC power; green (2) – end switch. Length – 40 in (100 cm).
- Ambient operating temperature range of 32 to 140°F (0 to 60°C).
- Low power draw: approximately 2 VA in operation. Maximum 4.5 VA when first powered. Ensure transformer has sufficient power (VA) to operate all actuators.

**RA Two-way Zone Valves**

Article No.	Description	Cv	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
260027	3/4 in. FPT x 3/4 in. MPT RA Valve	2.7	1	0.44	0.97	1
260037	1 in. FPT x 1 in. MPT RA Valve	2.8	1	0.67	1.48	1

Build your own balancing manifold with these attachments for copper manifolds. Can be combined with the manifold valve actuator for RA valve (Art. 260167) for electric thermostat control (not the standard manifold valve actuator Art. 260166). 3/4 and 1 in. RA valve connections are as noted.

**Manifold Valve Actuator for RA Valves**

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
260167	Manifold Valve Actuator for RA Valve	1	0.14	0.30	1

The 4-wire manifold valve actuator is a special version for use with RA valves. This includes balancing valves for 3/4 and 1 in. (Art. 260027 and 260037).

10. F2080 COMPRESSION-SLEEVE SYSTEM

F2080 compression-sleeve fittings are intended for heating, snow and ice melting and hydronic distribution, when used with RAUPEXPEXa pipes. F2080 compression-sleeve joints create reliable connections that can be walled in or embedded directly in a thermal mass (when wrapped in waterproof, rubber tape or RAUCROSS™ heat shrink tubing for corrosion protection – check local codes for compliance).

Installation is performed with REHAU F2080 compression-sleeve tools. Follow all published installation instructions. F2080 compression-sleeve fittings are not certified for potable water applications.



Compression Sleeves						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
243507-101	3/8 in. F2080 Sleeve	150	900	20	0.05	1 box
260077-101	1/2 in. F2080 Sleeve	150	900	23	0.05	1 box
243607-101	5/8 in. F2080 Sleeve	40	240	56	0.12	1 box
260577-101	3/4 in. F2080 Sleeve	80	480	37	0.08	1 box
260877-101	1 in. F2080 Sleeve	40	240	73	0.16	1 box

Compression sleeves are unplated brass. Tapered end installs toward fitting.



Couplings						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
243517-101	3/8 x 3/8 in. F2080 Coupling	70	420	36	0.08	1 box
260227-101	1/2 x 1/2 in. F2080 Coupling	60	360	54	0.12	1 box
243627-101	5/8 x 5/8 in. F2080 Coupling	40	240	76	0.17	1 box
260317-101	3/4 x 3/4 in. F2080 Coupling	35	210	82	0.18	1 box
260427-101	1 x 1 in. F2080 Coupling	20	120	136	0.30	1 box



Reducer Couplings						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
260247-101	3/4 x 1/2 in. F2080 Coupling	45	270	68	0.15	1 box
260447-101	1 x 3/4 in. F2080 Coupling	25	150	114	0.25	1 box



Plugs						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
260087-101	1/2 in. F2080 Plug	100	600	32	0.07	1 box
260397-101	3/4 in. F2080 Plug	60	360	54	0.12	1 box
260497-101	1 in. F2080 Plug	30	180	91	0.20	1 box



Adapters						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
260017-101	1/2 in. F2080 x 3/8 in. C Female (Sweat) or 1/2 in. C Male (Street) Adapter	65	390	41	0.09	1 box
260047-101	1/2 in. F2080 x 1/2 in. C Female (Sweat) Adapter	65	390	45	0.10	1 box
243637-101	5/8 in. F2080 x 1 in. C Male (Street) or 3/4 in. C Female (Sweat) Adapter	30	180	115	0.25	1 box
260807-101	3/4 in. F2080 x 1 in. C Female (Sweat) Adapter	25	150	114	0.25	1 box
260827-101	3/4 in. F2080 x 3/4 in. C Male (Street) or 1/2 in. C Female (Sweat) Adapter	35	210	82	0.18	1 box
260837-101	3/4 in. F2080 x 1 in. C Male (Street) or 3/4 in. C Female (Sweat) Adapter	25	150	118	0.26	1 box
260417-101	1 in. F2080 x 1 in. C Male (Street) or 3/4 in. C Female (Sweat) Adapter	25	150	136	0.30	1 box

Copper adapters connect RAUPEX pipe to copper pipe in sizes indicated. Many of these copper adapters can be used as male (street) or female (sweat) fittings. Make solder connection before connecting to RAUPEX pipe.



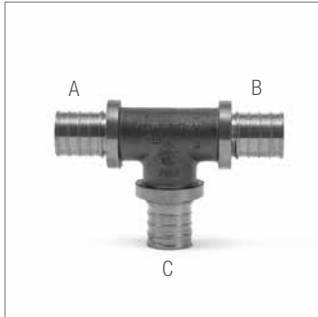
Dual MPT Adapters						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
243537-101	3/8 in. F2080 x 1/2 in. MPT or 1/2 in. C Female (Sweat) Adapter	50	300	59	0.13	1 box
260237-101	1/2 in. F2080 x 1/2 in. MPT or 1/2 in. C Female (Sweat) Adapter	45	210	68	0.15	1 box
243647-101	5/8 in. F2080 x 1/2 in. MPT or 1/2 in. C Female (Sweat) Adapter	35	210	91	0.20	1 box
260327-101	3/4 in. F2080 x 3/4 in. MPT or 1/2 in. C Female (Sweat) Adapter	25	150	122	0.27	1 box
260597-101	3/4 in. F2080 x 1 in. MPT or 3/4 in. C Female (Sweat) Adapter	20	120	146	0.32	1 box
260437-101	1 in. F2080 x 1 in. MPT or 3/4 in. C Female (Sweat) Adapter	15	90	195	0.43	1 box

Dual adapters connect RAUPEX pipe to either female threaded fittings (first size) or copper pipe (second size) in sizes indicated. Make threaded or solder connections before connecting to RAUPEX pipe.

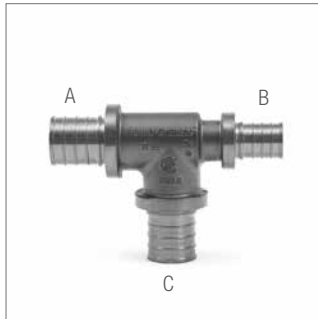


FPT Adapters						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
260287-101	1/2 in. F2080 x 1/2 in. FPT Adapter	35	210	0.07	0.16	1 box
260387-101	3/4 in. F2080 x 3/4 in. FPT Adapter	25	150	0.13	0.28	1 box
260487-101	1 in. F2080 x 1 in. FPT Adapter	10	60	0.23	0.51	1 box

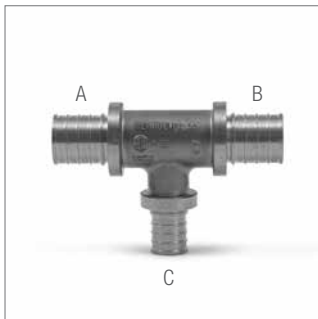
FPT adapters connect RAUPEX pipe to male threaded fittings in sizes indicated. Make threaded connections before connecting to RAUPEX.



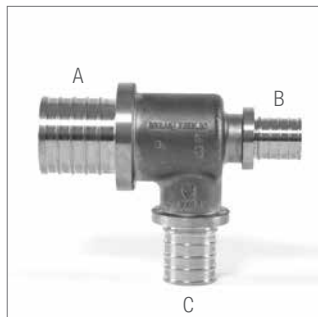
Straight Tees						
Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
260607-101	1/2 x 1/2 x 1/2 in. F2080 Tee	25	150	114	0.25	1 box
260617-101	3/4 x 3/4 x 3/4 in. F2080 Tee	15	90	191	0.42	1 box
260977-101	1 x 1 x 1 in. F2080 Tee	8	48	349	0.77	1 box



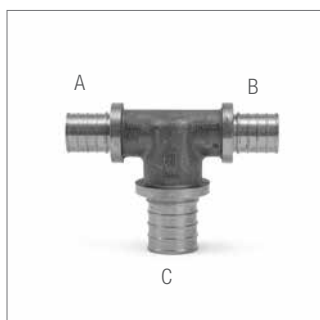
Run Reducing Tees						
Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
260647-101	3/4 x 1/2 x 3/4 in. F2080 Tee	15	90	172	0.38	1 box
260687-101	1 x 3/4 x 1 in. F2080 Tee	10	60	322	0.71	1 box



Branch Reducing Tees						
Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
260627-101	3/4 x 3/4 x 1/2 in. F2080 Tee	20	120	159	0.35	1 box
260707-101	1 x 1 x 3/4 in. F2080 Tee	10	60	295	0.65	1 box
260727-101	1 x 1 x 1/2 in. F2080 Tee	10	60	254	0.56	1 box



Branch and Run Reducing Tees						
Article No.	Description (A x B x C)	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	g	lb	
260637-101	3/4 x 1/2 x 1/2 in. F2080 Tee	20	120	141	0.31	1 box
260697-101	1 x 3/4 x 3/4 in. F2080 Tee	10	60	254	0.56	1 box



Bullhead Tees						
Article No.	Description (A x B x C)	Package Box	Quantity Carton	Unit Weight g	Unit Weight lb	Minimum Order
260857-101	1/2 x 1/2 x 3/4 in. F2080 Tee	20	120	145	0.32	1 box
260897-101	3/4 x 3/4 x 1 in. F2080 Tee	10	60	240	0.53	1 box



90° Elbows, PEX to PEX						
Article No.	Description	Package Box	Quantity Carton	Unit Weight g	Unit Weight lb	Minimum Order
260657-101	1/2 x 1/2 in. F2080 Elbow	40	240	77	0.17	1 box
260677-101	3/4 x 3/4 in. F2080 Elbow	25	150	132	0.29	1 box
260717-101	1 x 1 in. F2080 Elbow	10	60	254	0.56	1 box



90° Elbows, PEX to MPT/Copper						
Article No.	Description	Package Box	Quantity Carton	Unit Weight g	Unit Weight lb	Minimum Order
260737-101	1/2 in. F2080 x 1/2 in. MPT or 1/2 in. C Female (Sweat) Drop Ear Elbow	25	150	118	0.26	1 box
260747-101	3/4 in. F2080 x 3/4 in. MPT or 1/2 in. C Female (Sweat) Elbow	15	90	172	0.38	1 box

Dual adapters connect RAUPEX pipe to either female threaded fittings (first size) or copper pipe (second size) in the sizes indicated. Art. 260737-101 has three drop ears with 0.275 in. diameter holes for increased stability. Art. 260747-101 does not have drop ears. Make threaded or solder connection before connecting to RAUPEX pipe.



90° Elbows, PEX to Copper						
Article No.	Description	Package Box	Quantity Carton	Unit Weight g	Unit Weight lb	Minimum Order
260537-101	1/2 in. F2080 x 1/2 in. C Male (Street) or 3/8 in. C Female (Sweat) Elbow	50	300	59	0.13	1 box
260557-101	1/2 in. F2080 x 3/4 in. C Female (Sweat) Elbow	35	210	86	0.19	1 box
260757-101	1/2 in. F2080 x 3/4 in. C Male (Street) or 1/2 in. C Female (Sweat) Elbow	25	150	104	0.23	1 box
243687-101	5/8 in. F2080 x 1 in. C Male (Street) or 3/4 in. C Female (Sweat) Elbow	20	120	150	0.34	1 box
243697-101	5/8 in. F2080 x 3/4 in. C Male (Street) or 1/2 in. C Female (Sweat) Elbow	20	120	114	0.25	1 box
260767-101	3/4 in. F2080 x 1 in. C Male (Street) or 3/4 in. C Female (Sweat) Elbow	20	120	163	0.36	1 box
260817-101	3/4 in. F2080 x 3/4 in. C Male (Street) or 1/2 in. C Female (Sweat) Elbow	25	150	127	0.28	1 box

Copper adapters connect RAUPEX pipe to copper pipe in sizes indicated. Make solder connection before connecting to RAUPEX pipe.

11. RAUPEX COMPRESSION NUT FITTINGS

RAUPEX split-ring compression nut brass fittings are machined from solid brass stock. Integral fitting/insert design provides positive clamping and sealing action with split compression ring.



RAUPEX MPT Adapters							
Article No.	Description	Package Quantity			Unit Weight		Minimum Order
		Bag	Box	Carton	g	lb	
267517	3/8 in. RAUPEX x 1/2 in. MPT or 1/2 in. C Female (Sweat)	5	35	210	130	0.29	1 bag
260987	1/2 in. RAUPEX x 1/2 in. MPT or 1/2 in. C Female (Sweat)	5	25	150	136	0.30	1 bag
267567	5/8 in. RAUPEX x 1/2 in. MPT or 1/2 in. C Female (Sweat)	5	25	150	135	0.30	1 bag
260357	3/4 in. RAUPEX x 3/4 in. MPT or 1/2 in. C Female (Sweat)	1	15	90	229	0.50	1 bag
260477	1 in. RAUPEX x 1 in. MPT or 3/4 in. C Female (Sweat)	1	10	60	305	0.67	1 box

Dual adapter fittings connect RAUPEX pipe to threaded fitting (first size) or copper pipe (second size) in sizes indicated. Make solder or threaded connection before connecting to RAUPEX pipe.



RAUPEX Copper Adapters							
Article No.	Description	Package Quantity			Unit Weight		Minimum Order
		Bag	Box	Carton	g	lb	
260997	1/2 in. RAUPEX x 1/2 in. C Female (Sweat)	5	30	180	108	0.24	1 bag
260347	3/4 in. RAUPEX x 3/4 in. C Female (Sweat)	1	20	120	166	0.37	1 bag
260467	1 in. RAUPEX x 1 in. C Female (Sweat)	1	10	60	274	0.60	1 bag

Copper adapter fittings connect RAUPEX pipe to copper pipe in sizes indicated. Make solder connection before connecting to RAUPEX pipe.

12. F2080 COMPRESSION-SLEEVE BALL VALVES



Straight Ball Valves, PEX to Copper							
Article No.	Description	Cv	Package Box	Quantity Carton	Unit Weight g	Unit Weight lb	Minimum Order
261946-101	1/2 in. F2080 x 1/2 in. C Female (Sweat) Valve	3.0	24	144	150	0.33	1
243667-101	5/8 in. F2080 x 3/4 in. C Female (Sweat) Valve	6.2	18	108	243	0.54	1
261376-101	3/4 in. F2080 x 3/4 in. C Female (Sweat) Valve	6.2	12	72	223	0.49	1

Make solder connection before connecting to RAUPEX pipe. Solder valves in open position.



Straight Ball Valves, PEX to PEX							
Article No.	Description	Cv	Package Box	Quantity Carton	Unit Weight g	Unit Weight lb	Minimum Order
261906-101	1/2 x 1/2 in. F2080 Valve	3.0	18	108	190	0.42	1
261956-101	3/4 x 3/4 in. F2080 Valve	6.2	12	72	230	0.51	1



Balancing Ball Valves, PEX to Copper							
Article No.	Description	Cv	Package Box	Quantity Carton	Unit Weight g	Unit Weight lb	Minimum Order
260797-101	1/2 in. F2080 x 1/2 in. C Female (Sweat) Balancing Valve	0 to 3.0	12	72	270	0.60	1
266447-101	3/4 in. F2080 x 3/4 in. C Female (Sweat) Balancing Valve	0 to 6.2	6	36	350	0.78	1

Balancing ball valves combine a balancing screw with a ball valve in one unit. Make solder connection before connecting to RAUPEX pipe..

13. COMPRESSION NUT BALL VALVES



Straight Ball Valves, Compression Nut to Copper							
Article No.	Description	Cv	Package Quantity		Unit Weight		Minimum Order
			Box	Carton	g	lb	
267527	3/8 in. RAUPEX x 1/2 in. C Female (Sweat) Valve	3.0	12	72	230	0.51	1 each
260277	1/2 in. RAUPEX x 1/2 in. C Female (Sweat) Valve	3.0	12	72	177	0.39	1 each
267587	5/8 in. RAUPEX x 1/2 in. C Female (Sweat) Valve	3.0	12	72	279	0.62	1 each
260367	3/4 in. RAUPEX x 3/4 in. C Female (Sweat) Valve	6.2	6	36	340	0.75	1 each

Solder valves in open position. Make solder connection before connecting to RAUPEX pipe.



Balancing Ball Valves, Compression Nut to Copper							
Article No.	Description	Cv	Package Quantity		Unit Weight		Minimum Order
			Box	Carton	g	lb	
260847	1/2 in. RAUPEX x 1/2 in. C Female (Sweat) Balancing Valve	0 to 3.0	12	72	350	0.78	1 each
267597	5/8 in. RAUPEX x 1/2 in. C Female (Sweat) Balancing Valve	0 to 3.0	6	36	420	0.93	1 each

Balancing ball valves combine a balancing screw with a ball valve in one unit. Make solder connection before connecting to RAUPEX pipe.

14. COPPER MANIFOLDS



Pre-cut Copper Manifolds					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
261326	1 in. Copper Manifold, 1/2 in. Outlets 2x	1	0.19	0.43	1
261336	1 in. Copper Manifold, 1/2 in. Outlets 3x	1	0.26	0.58	1
261346	1 in. Copper Manifold, 1/2 in. Outlets 4x	1	0.34	0.75	1

Manifolds are type L copper with open ends in sizes indicated. One end is copper male while the opposite end is flared to copper female (sweat). Manifold pieces may be combined to make longer manifolds. Copper outlets are high-temperature brazed (lead-free) into headers at 2 in. on-center so manifolds cannot be cut to length. 1/2 in. copper outlets are 2 in. long. Use with REHAU fittings and valves to assemble complete manifolds for heating applications.



Manifold Header Stock								
Article No.	Description	Max GPM	Header Size	Outlet Size	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
250810	1 x 1/2 in. Copper Manifold	20	1 in.	1/2 in.	5	2.3	5.1	1
250817	1 x 3/4 in. Copper Manifold	20	1 in.	3/4 in.	4	2.6	5.8	1
250820	1 1/4 x 1/2 in. Copper Manifold	32	1 1/4 in.	1/2 in.	4	3.0	6.5	1
250827	1 1/4 x 3/4 in. Copper Manifold	32	1 1/4 in.	3/4 in.	4	3.2	7.2	1
250829	1 1/2 x 1/2 in. Copper Manifold	44	1 1/2 in.	1/2 in.	3	3.7	8.1	1
250830	1 1/2 x 3/4 in. Copper Manifold	44	1 1/2 in.	3/4 in.	3	4.0	8.7	1
250839	2 x 1/2 in. Copper Manifold	75	2 in.	1/2 in.	2	5.3	11.8	1
250840	2 x 3/4 in. Copper Manifold	75	2 in.	3/4 in.	2	5.1	11.2	1
250850	2 x 1 in. Copper Manifold	75	2 in.	1 in.	2	6.8	15.0	1

Manifolds are type L copper with open ends in sizes indicated. Copper outlets are high-temperature brazed (lead-free) into headers. Each manifold is 72 in (180 cm) long with 24 outlets at 3 in. on-center, except the 2 x 1 in. copper manifold (Art. 250850) which has 18 outlets at 4 in. on-center. Manifolds can easily be cut to length. Do not exceed maximum flow rates listed above. Use with REHAU fittings and valves to assemble complete manifolds for heating applications.



Plastic Manifold Brackets					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
261266	Plastic Manifold Brackets	1 Set of 2	0.18	0.40	1 set

Brackets are made of reinforced nylon. A 1.57 in (40 mm) offset allows supply/return manifold clearance. These brackets are used with 1 in. and 1 1/4 in. diameter copper manifolds using supplied flexible spacers.



End Cap Vent Drains					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
250810-ECVD	1 in. End Cap Vent Drain	1	0.16	0.35	1
250820-ECVD	1 1/4 in. End Cap Vent Drain	1	0.23	0.50	1
250830-ECVD	1 1/2 in. End Cap Vent Drain	1	0.28	0.61	1
250840-ECVD	2 in. End Cap Vent Drain	1	0.42	0.93	1

End cap vent drain pieces are for use with copper manifolds for radiant and SIM applications. They allow connection of an automatic air vent (1/8 in. NPT) and a drain valve (1/2 in. NPT) to the end of the copper manifold. Use standard 1/8 in. NPT air vent.

Note: The REHAU automatic air vent (Art. 250212) does not work with the end cap vent drains due to different thread sizes. The REHAU automatic air vent is only for use on PRO-BALANCE brass manifolds.

15. INSTALLATION ACCESSORIES



Steel Support Bends						
Article No.	Description	Package Box	Quantity Carton	Unit Weight g	Unit Weight lb	Minimum Order
258408	3/8 and 1/2 in. Steel Support Bend	10	50	50	0.10	1 box
258798	5/8 in. Steel Support Bend	10	50	90	0.19	1 box
257249	3/4 in. Steel Support Bend	10	50	150	0.32	1 box
261153	1 in. Steel Support Bend	5	50	380	0.84	1 box

3/8, 1/2, 5/8 and 3/4 in. steel support bends snap over RAUPEX pipe. 1 in. steel support bends (not shown) slide onto pipe.



Polymer Support Bends with Screw Hole					
Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
266207	3/8 and 1/2 in. Polymer Support Bend	50	40	0.08	1 box
266217*	5/8 in. Polymer Support Bend	50	70	0.16	1 box
266227	3/4 in. Polymer Support Bend	50	70	0.16	1 box
266237	1 in. Polymer Support Bend	50	100	0.22	1 box
266727	1 1/4 in. Polymer Support Bend	50	200	0.44	1 box

* This item is not stocked. Lead times may vary.



PVC Bend Guides					
Article No.	Description	Box Quantity	Unit Weight g	Unit Weight lb	Minimum Order
266170-001	3/8 and 1/2 in. PVC Bend Guide	40	64	0.14	1 box
266175-001	5/8 and 3/4 in. PVC Bend Guide	30	142	0.31	1 box
266180	1 in. Schedule 40 PVC Bend Guide	20	378	0.83	1 box



PE Protection Sleeves						
Article No.	Description	Hole Size*	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
236107	Protection Sleeve for 3/8 and 1/2 in. Pipe	1 in.	100 ft (30.4 m) coil	1.4	3.1	1 coil
236117	Protection Sleeve for 5/8 and 3/4 in. Pipe	1 1/4 in.	50 ft (15.2 m) coil	1.1	2.4	1 coil
236127	Protection Sleeve for 1 in. Pipe	1 1/2 in.	50 ft (15.2 m) coil	1.7	3.6	1 coil
236137	Protection Sleeve for 1 1/4 in. Pipe	2 in.	150 ft (45.7 m) coil	6.1	13.4	1 coil
236147*	Protection Sleeve for 1 1/2 in. Pipe	2 1/2 in.	100 ft (30.4 m) coil	7.8	17.2	1 coil
236157*	Protection Sleeve for 2 in. Pipe	3 in.	100 ft (30.4 m) coil	8.7	19.2	1 coil

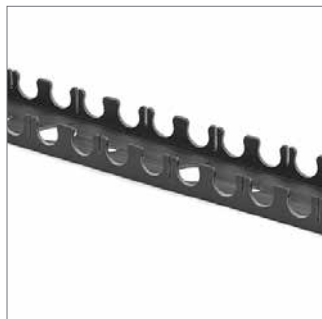
* This item is not stocked. Lead times may vary.

*Recommended hole size to be drilled for proper installation.



RAUCROSS™ Heat Shrink Tubing					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
253615	3/8, 1/2, 5/8 and 3/4 in. Heat Shrink - 3.3 ft (1 m)	40 pcs/bag	82	0.18	1 meter
253625	3/4 and 1 in. Heat Shrink - 3.3 ft (1 m)	35 pcs/bag	122	0.27	1 meter
082351-100	1 1/2 and 1 1/4 in. Heat Shrink - 3.3 ft (1 m)	50 m	304	0.67	1 meter

RAUCROSS heat shrink tubing is for sealing around F2080/SDR11 compression-sleeve joints installed in corrosive environments or buried in soil or in a thermal mass.



RAILFIX™ Fixing Rails						
Article No.	Description	Slot Spacing in.	Package Quantity	Unit Weight g lb		Minimum Order
259238-2M	1/2 in. RAILFIX Fixing Rail - 6.5 ft (2 m)	1	16 pcs/bundle	480	1.06	1 bundle
266247-002	5/8 in. RAILFIX Fixing Rail - 6.5 ft (2 m)	1	16 pcs/bundle	510	1.12	1 bundle
266257	3/4 in. RAILFIX Fixing Rail - 6.5 ft (2 m)	2	16 pcs/bundle	620	1.36	1 bundle

For installation of RAUPEX pipe in a thermal mass or in a sand bed. Polymer material is pre-drilled for fastening.



Universal Fixing Rails 3/8 to 3/4 in.					
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
266407	Universal Fixing Rail for 3/8, 1/2, 5/8 and 3/4 in. RAUPEX - 3.3 ft (1 m)	10 pcs/bundle	205	0.45	1 bundle

Universal fixing rail is molded with alternating small/large tabs to hold pipe in place. The small tabs hold 3/8 and 1/2 in. RAUPEX pipes, while the large tabs hold 5/8 and 3/4 in. RAUPEX pipes. Alternating tabs are spaced at 4 in (10 cm). Flat bottom and pre-drilled holes for mounting. Clips at the end allow pieces to be snapped together to make longer lengths.



Plastic Holding Pins						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
259268	Plastic Holding Pin	500	5000	1.46	0.003	1 bag

Plastic holding pins are used to secure RAILFIX fixing rail and universal fixing rail (Art. 266407) to rigid insulation.



Galvanized Support Channels							
Article No.	Description	Length m	ft	Package Quantity	Unit Weight kg	lb	Minimum Order
225527-001	3/4 in. Steel Support Channel	5.986	19.63	10 pcs/bundle	2.14	4.71	1 bundle
225537-001	1 in. Steel Support Channel	5.956	19.53	10 pcs/bundle	3.27	7.19	1 bundle
225547-001	1 1/4 in. Steel Support Channel	5.942	19.49	8 pcs/bundle	3.91	8.60	1 bundle
225557-001	1 1/2 in. Steel Support Channel	5.926	19.45	6 pcs/bundle	5.59	12.30	1 bundle
225567-001	2 in. Steel Support Channel	5.896	19.33	4 pcs/bundle	6.95	15.29	1 bundle



Locking Clips					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
261496+	3/8 in. Locking Clips	100/bag	4	0.01	1 bag
261556+	1/2 in. Locking Clips	100/bag	5	0.01	1 bag
261506+	5/8 in. Locking Clips	100/bag	6	0.01	1 bag
261516+	3/4 in. Locking Clips	50/bag	7	0.02	1 bag
261566+	1 in. Locking Clips	50/bag	12	0.03	1 bag
261576+	1 1/4 in. Locking Clips	50/bag	12	0.03	1 bag
261586+	1 1/2 in. Locking Clips	25/bag	18	0.04	1 bag
261596+	2 in. Locking Clips	25/bag	30	0.07	1 bag

+ This item is not stocked. Lead times may vary.



Talon Drive Hooks and Low Profile Talons					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
260866	Twin Talon Drive Hooks	100/bag	6	0.01	1 bag
260846	Low Profile 3/8 in. Talons	100/bag	4	0.01	1 bag
261766	Low Profile 1/2 in. Talons	100/bag	4	0.01	1 bag
261776	Low Profile 5/8 in. and 3/4 in. Talons	50/bag	6	0.01	1 bag
261806	Low Profile 1 in. Talons	50/bag	10	0.02	1 bag



Single Nail Clamps						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
261746	Single Nail Clamp for 3/8 and 1/2 in. Pipe	100	1500	4	0.01	1 bag
261756+	Single Nail Clamp for 3/4 in. Pipe	100	1000	5	0.01	1 bag

+ This item is not stocked. Lead times may vary.
Completely encircles pipe. Pre-installed barbed nail prevents breakout.



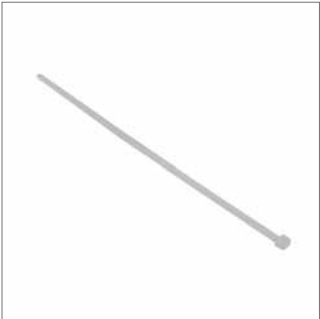
Plastic Pipe Clamps						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
282401+	1 1/4 in. Plastic Pipe Clamp	50	800	16	0.04	1 bag
282411+	1 1/2 in. Plastic Pipe Clamp	25	600	20	0.05	1 bag
282421+	2 in. Plastic Pipe Clamp	25	300	32	0.07	1 bag

+ This item is not stocked. Lead times may vary.



Isolating Suspension Clamps						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Bag	Box	g	lb	
282431+	1 1/4 in. Isolating Suspension Clamp	50	800	15	0.03	1 bag
282441+	1 1/2 in. Isolating Suspension Clamp	25	600	28	0.04	1 bag
282451+	2 in. Isolating Suspension Clamp	25	300	23	0.05	1 bag

+ This item is not stocked. Lead times may vary.
Secures RAUPEX pipe to both wood and metal framework.



Nylon Pipe Ties					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			g	lb	
724448	Nylon Pipe Ties	1000/bag	1.43	0.003	1 bag

Non-abrasive nylon pipe ties safely secure pipe directly to slab reinforcing bars or wire mesh. Ties are 8 in. long and rated at 50 lbs tensile strength.

16. RAUTOOL PEX PIPE INSTALLATION TOOLS



F2080 Standard Tool Kits

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
261216	F2080 Standard Tool Kit	1	7.6	16.7	1

The F2080 standard tool kit is for assembling 1/2 in and 3/4 in. F2080 compression-sleeve joints.

F2080 standard tool kit comes complete with the following:

- Pipe expander RO (Art. 139592)
- F2080 expander heads RO: 1/2 in (Art. 261866), 3/4 in (Art. 261886)
- COMBOLOC® F2080 expansion/compression tool (Art. 243107)
- VERSALOC F2080 compression tool (Art. 243737)
- 4-in-1 VERSALOC F2080 jaw set (Art. 243767)
- RAUCUTTER (Art. 137495)
- Tool box (Art. 261206)
- Grease and brush pack for expander maintenance



F2080 Deluxe Tool Kits

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
261256	F2080 Deluxe Tool Kit	1	10.4	22.9	1

The F2080 deluxe tool kit is for assembling 1/2, 3/4 and 1 in. F2080 compression-sleeve joints.

F2080 deluxe tool kit comes complete with the following:

- Pipe expander RO (Art. 139592)
- F2080 expander heads RO: 1/2 in (Art. 261866), 3/4 in (Art. 261886), 1 in (Art. 261896)
- COMBOLOC F2080 expansion/compression tool (Art. 243107)
- VERSALOC F2080 compression tool (Art. 243737)
- 4-in-1 VERSALOC F2080 jaws (set) and 1 in. VERSALOC F2080 jaws (Art. 243767 and 243787)
- RAUCUTTER (Art. 137495)
- Ratchet cutter for 1 1/2 in. RAUPEX (Art. 315242-001)
- Tool box (Art. 261206)
- Grease and brush pack for expander maintenance



VERSALOC Compression Tools

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
243737	VERSALOC F2080 Compression Tool	1	1.45	3.2	1

The VERSALOC compression tool compresses F2080 compression sleeves onto F2080 fittings up to 1 in. The VERSALOC compression tool is used with interchangeable VERSALOC jaws (jaws sold separately).



VERSALOC Compression Jaws					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
243767	4-in-1 VERSALOC F2080 Compression Jaws (Set)	1 set of 2	0.37	0.8	1 set
243787	1 in. VERSALOC F2080 Compression Jaws (Set)	1 set of 2	0.68	1.5	1 set

4-in-1 VERSALOC compression jaws are used with the VERSALOC compression tool to compress F2080 compression-sleeve joints in sizes 3/8, 1/2, 5/8 and 3/4 in. The lower cavity works with 3/8 and 1/2 in. while the upper cavity works with 5/8 and 3/4 in.



RAUPEX Pipe Expanders					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
139592	RAUPEX Pipe Expander RO	1	0.88	1.9	1

Expands RAUPEX pipe to assemble F2080 fittings. Includes grease and brush pack for expander tool maintenance. Expander heads sold separately.



COMBOLOC Combination Expansion/Compression Tools					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
243107	COMBOLOC F2080 Expansion/Compression Tool	1	1.09	2.4	1

The COMBOLOC tool combines both expansion and compression capabilities for 3/8 and 1/2 in. F2080 compression-sleeve fittings. Expander heads sold separately.



RAUPEX Pipe Expander Heads					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
261856	F2080 Expander Head RO, 3/8 in.	1	0.17	0.37	1
261866	F2080 Expander Head RO, 1/2 in.	1	0.15	0.32	1
261876	F2080 Expander Head RO, 5/8 in.	1	0.16	0.35	1
261886	F2080 Expander Head RO, 3/4 in.	1	0.16	0.35	1
261896	F2080 Expander Head RO, 1 in.	1	0.18	0.39	1

For use with RAUPEX Pipe Expander RO (Art. 139592) and COMBOLOC (Art. 243107).



RAUPEX Cutters					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
137495	RAUCUTTER for up to 1 in. RAUPEX	1	0.17	0.38	1
315242-001	Ratchet Cutter for up to 1 1/2 in. RAUPEX	1	0.41	0.90	1
131558-001	Large Ratchet Cutter for up to 2 in. RAUPEX	1	1.09	2.41	1

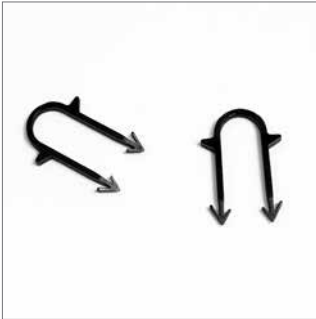


RAUTACKER 3D Stapler Tools					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
298956-001	RAUTACKER 3D Stapler Tool	1	2.78	6.12	1
298966-001	RAUTACKER 3D 1 3/8 in. Foam Staple	400/box	0.0018	0.004	1 box
340603-001	RAUTACKER 3D 2 in. Foam Staple	400/box	0.0020	0.005	1 box
298196-001	RAUTACKER 3D 2 3/8 in. Foam Staple	400/box	0.0022	0.006	1 box

RAUTACKER 3D foam staples are used when installing RAUPEX pipe on rigid foam board insulation in radiant heating and snow and ice melting applications. Extruded polystyrene foam board is recommended.



RAUTACKER 3D 1 3/8 in. staples work with 3/8, 1/2 and 5/8 in. pipe and with minimum 1 in. (25 mm) thick insulation. RAUTACKER 3D 2 3/8 in. staples are required for 3/4 in. pipe and minimum 1 1/2 in. (38 mm) thick insulation, but also work with 3/8, 1/2 and 5/8 in. pipe. Typically, one staple is required every 3 ft (90 cm) on straight runs of pipe with an additional staple in the middle of bends. Staples are supplied in magazines of 25.



RAUTACK Foam Staples					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
266187	RAUTACK 1 1/2 in. Foam Staple	300/box	0.002	0.005	1 box
266197	RAUTACK 2 1/4 in. Foam Staple	300/box	0.002	0.005	1 box

For use with RAUPEX pipe to install on rigid foam board insulation (extruded polystyrene is recommended). RAUTACK foam staples work with 3/8, 1/2, 5/8 and 3/4 in. RAUPEX pipes installed in radiant and SIM applications. The 1 1/2 in. staple is for use with minimum 1 in (25 mm) thick insulation. The 2 1/4 in. staple is for use with minimum 1 1/2 in (38 mm) thick insulation. Typically only one staple is required every 3 ft (90 cm) on straight runs of pipe, with one staple in the middle of bends.

Note: For use with previous version of RAUTACKER stapler tool (Art. 266177). Not compatible with RAUTACKER 3D stapler tool (Art. 298956-001).



Screw Clip Ratchet Tools					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
260886	Screw Clip Ratchet Tool	1	0.7	1.6	1
260836	Insulation Screw Clips	1000/bag		0.02	1 bag

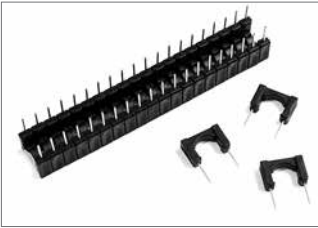
The screw clip ratchet tool installs insulation screw clips (Art. 260836) to secure RAUPEX pipe to rigid insulation such as extruded polystyrene or polyurethane. Not recommended for use with expanded polystyrene foam insulation. Can be used with 1/2, 5/8 and 3/4 in. RAUPEX pipe.





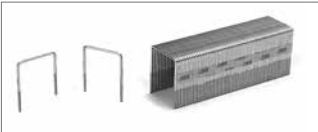
Hand Power (HP) Stapler Tools					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
266287	Hand Power (HP) Stapler Tool	1	2.5	5.5	1
266297	Hand Power (HP) 1 1/2 in. Plastic Staple	500/box	0.004	0.009	1 box

For use with RAUPEX pipe to install on wooden subfloor systems. The HP stapler tool installs plastic staples with integral steel nail (Art. 266297) without the use of air power or electricity. HP staples work with 3/8, 1/2 and 5/8 in. RAUPEX pipe installed in radiant applications.



Pneumatic Staplers					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
261016	Pneumatic Stapler	1	5.0	11.0	1
261016-STP	1 1/4 in. Staples for Use With Pneumatic Stapler	10,000/box	3.2	7.0	1 box

Pneumatic Stapler fastens RAUPEX pipe to a wooden subfloor. For use with 3/8 and 1/2 in. RAUPEX pipe, tool comes complete with pogo stick extension arm so it can be used from a standing position. Use only the Senco staples (Art. 261016-STP, P15BAB) listed above or equal; 1 in. crown, 1 1/4 in. leg, 16 gauge chisel point.



Staple Clip Guns					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
266117	Staple Clip Gun	1	0.58	1.30	1
266127	3/8 in. Flush Mount Staple Clips	100/bag	0.03	0.06	1 bag
266137	1/2 in. Flush Mount Staple Clips	100/bag	0.03	0.06	1 bag
266147*	5/8 in. Flush Mount Staple Clips	100/bag	0.03	0.06	1 bag
266157	3/4 in. Flush Mount Staple Clips	100/bag	0.03	0.06	1 bag

* This item is not stocked. Lead times may vary.
For installation of RAUPEX pipe onto a wood surface. Hand-powered staple clip gun shoots plastic clips with steel staple inserts. Clips hold the pipe away from the surface. All sizes of clips are installed with the same gun.





Pressure Testers

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
257334	Air Pressure Tester	1	0.3	0.8	1

Air pressure tester threads into the 1 in. isolation valve on a PRO-BALANCE manifold and connects to an air hose (Schrader valve included). Tester includes a pressure gauge that reads from 0 to 200 psi.



Infrared Thermometers

Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
261696-001	IR Thermometer	1	240	0.53	1

Non-contact infrared thermometer can be used to measure temperatures of heated or unheated floors, indoor building surfaces, heating system components (including pipes and manifolds). Includes 2 AAA batteries and provides up to 130 hours of continuous use.



RAUPEX Universal Uncoilers

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
282191	RAUPEX Universal Uncoiler	1	40.8	90.0	1

Uncoiler dispenses RAUPEX pipe vertically or horizontally. Capable of handling up to 1,000 ft of 3/4 in. PEX. Uncoiler is 30 in. wide, has removable spool and pneumatic tires.



RAUPEX Horizontal Uncoilers

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
286151-002	RAUPEX Horizontal Uncoiler	1	13	28	1

Folding uncoiler is capable of holding RAUPEX coils up to 1 in.

17. ELECTRONIC CONTROLS



Radiant Floor Heating (RFH) Controls

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
236317-001*	Floating Action Mixing Control (360)	1	1.4	3.1	1
236327-001*	Variable Speed Mixing Control (361)	1	1.4	3.0	1

* Item not stocked. Lead times may vary.

The Floating Action Mixing Control (Art. 236317-001) is an outdoor reset control designed to control the mixed supply water temperature to a radiant system. The floating action mixing control operates a 24 VAC floating action 3 or 4-way mixing valve actuator (Art. 260526, Art. 260566) to regulate the supply water temperature while still protecting a non-condensing boiler against flue gas condensation. This control also provides for boiler operation, primary pump operation and secondary pump operation.

The Variable Speed Mixing Control (Art. 236327-001) is an outdoor reset control designed to control the mixed supply water temperature to a radiant system. The variable speed mixing control operates a variable speed injection pump to regulate the supply water temperature while still protecting the boiler against flue gas condensation. This control also provides for boiler operation, primary pump operation, and secondary pump operation.



Single-zone SIM Controls Low Voltage

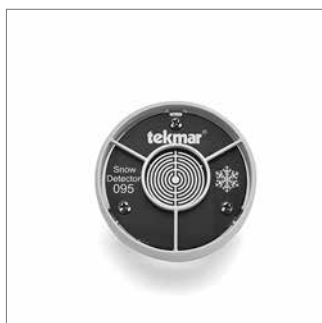
Article No.	Description	Package Quantity	Unit Weight g	Unit Weight lb	Minimum Order
315839-001*	Single-zone SIM Control Low Voltage (654)	1	590	1.3	1
315836-001*	Aerial Snow Sensor (095)	1	180	0.4	1

* Item not stocked. Lead times may vary.

The Single-zone SIM control (654) operates hydronic equipment to melt snow or ice from any surface including driveways, walkways, patios, business entrances, parking ramps, loading docks, hospital entrances, helipads or car wash bays. The surface temperature for snow melting is controlled automatically to reduce operating energy costs.

The control has an automatic start and stop function when used with the snow/ice sensor (090) (Art. 236357-001). Automatic start with a timed stop is available when used with the aerial snow sensor (095) (Art. 315836-001). The control can operate a dedicated hydronic boiler or a mixing device. Isolation relays are required to operate line voltage pumps.

The aerial snow sensor (095) is an aerial mounted sensor that detects falling snow and allows the Single-zone SIM control (654) (Art. 315839-001) to automatically start the snow melting equipment. System stop is provided by the control's timer or by manual disable. The sensor mounts to a nominal 1/2 in. (16 mm) metal or PVC conduit or pole. The sensor is well suited to adding automatic start to an existing snow melt system. This sensor can only be used with the Single-zone SIM control (654) (Art. 315839-001).





Snow and Ice Melt (SIM) Controls

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
236337-001*	Single-zone Variable Speed Injection SIM Control (667)	1	1.4	3.1	1
298736-001*	Two-zone Two Stage Boiler SIM Control (664)	1	1.6	3.5	1
298746-001*	Single-zone SIM Controller w/ Pulse Width Modulation (665)	1	1.4	3.1	1

* Item not stocked. Lead times may vary.

The automatic SIM mixing control is a microprocessor-based control designed to maximize the safety and efficiency provided by a hydronic snow and ice melt (SIM) system.

The automatic SIM mixing control is capable of providing snow and ice melting operation based on a remote start/stop module or an external melt demand signal. When the snow-ice sensor (Art. 236375-001) is used, the control can be run automatically, heating the SIM area when moisture is detected during freezing conditions. In typical use, melting operation continues until the sensor no longer detects moisture on its surface.

When the control is not in melting mode, the system can either be automatically shut down or can operate in an idle mode, maintaining the SIM area at a set idle temperature for faster response and improved safety. This saves energy when compared with SIM systems that are always kept at melting temperature.

The automatic SIM mixing control provides slab protection by limiting the maximum fluid temperature that is sent to the SIM area and by limiting the delta T between supply and return fluid temperatures. Both settings are adjustable by the installer. The control also provides boiler protection to help prevent condensation of flue gases (for non-condensing boilers), by controlling the minimum return fluid temperature.



Electronic Accessories

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
236207-001*	070 Outdoor Sensor	1	0.16	0.35	1
236227-001	072 Slab Sensor (20 ft / 6 m cable)	1	0.17	0.37	1
236237-001	073 Slab Sensor (40 ft / 12 m cable)	1	0.39	0.86	1
236297-001	R003P 24VAC Relay	1	0.13	0.29	1
236357-001	090 Snow/Ice Sensor (65 ft / 19.8 m Jacketed Cable)	1	2.00	4.40	1
236367-001	091 Snow/Ice Sensor Socket	1	0.82	1.80	1

* This item is not stocked. Lead times may vary.

Electronic accessories can be used with specific mixing controls and/or digital thermostats as replacements and/or additional connections. Refer to mixing control and/or thermostat for compatibility.

18. MIXING VALVES



Variable Speed Injection Mixing Modules

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
281731-001*	Variable Speed Mixing Module	1	8.4	18.5	1

* This item is not stocked. Lead times may vary.

Used to supply design temperature water to the PRO-BALANCE or HLV manifolds. Capability up to 120,000 Btu/hr. Single compact unit Includes an electronic variable speed injection mixing control, variable speed pump and system circulator with air elimination valve. Extremely versatile, the variable speed mixing module is equipped to be set up as an outdoor reset control, a set point control or a delta T limiting control.



Modulating Mixing Valves

Article No.	Description	Cv	Package Quantity	Unit Weight		Minimum Order
				kg	lb	
298016-001*	3/4 in. 3-way Modulating Mixing Valve	4.5	1	0.60	1.32	1
298776-001	1 in. 3-way Modulating Mixing Valve	4.5	1	0.68	1.50	1
298026-001*	1 1/4 in. 4-way Modulating Mixing Valve	17.5	1	1.43	3.15	1

* This item is not stocked. Lead times may vary.

REHAU modulating mixing valves are a powerful cost effective alternative for zone mixing with such features as outdoor reset, boiler return temperature protection and warm weather shut down (WWSD).

- Maximum operating pressure: 300 psi (2,100 kPa)
- Fluid temperature range: 20 to 240°F (-7 to 115°C) @ 135°F (57°C) ambient
- Adjustable setpoint dial 80 to 180°F (27 to 82°C)
- Selectable 15°F (-9°C) setback
- Optional boiler protection set at 135°F (57°C)



Thermostatic 3-Way Mixing Valves

Article No.	Size	Cv	Connection	Temperature Range	Package Quantity	Unit Weight		Minimum Order
						kg	lb	
234037	3/4 in.	1.9	NPT	85 to 160°F (19 to 71°C)	1	0.54	1.2	1
234047*	3/4 in.	1.8	Compression	95 to 140°F (35 to 60°C)	1	0.60	1.3	1
260068-001	1 in.	4.1	NPT	95 to 140°F (35 to 60°C)	1	0.91	2.0	1

* This item is not stocked. Lead times may vary.

Thermostatic mixing valves control supply water temperature for small-sized radiant systems. Sensing element is a wax/copper compound mounted within the valve body. Provides rapid stabilization of supply water temperature. Temperature is adjusted with the knob located at the top of the valve body. For feedback on temperature adjustments place a thermometer (Art. 260957, 260967) downstream of the valve. Compression-type fitting for copper distribution piping or NPT type for threaded pipe. Size valve based on Cv rating (GPM @ 1 psi pressure loss, 2.3 feet headloss).

Specifications:

- Maximum input temperature: 195°F (90°C)
- Regulated output temperature range: as listed
- Maximum working pressure: 145 psi (10 bar; 1 MPa)
- Regulation accuracy: +/- 3.6°F (2°C) at a minimum flow of 0.5 GPM (2 l/m)
- Material: brass body

**Control Motor for Mixing Valves up to 2 in.**

Article No.	Description	Motor Speed	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
260526-001	600 Series Motor With End Switch for Valves up to 2 in.	96 sec	1	0.5	1.2	1

Use with mixing valves 2 in. and smaller for motor operated control. The motor is controlled by REHAU outdoor reset/mixing controls. Operates on 24 Volt AC input provided through these controls. No additional installation kit is required. Built-in end switch is included. Manual override of mixing valve is possible by pulling out and turning the knob. Be sure to adjust the motor speed setting on electronic mixing controls to 96 seconds.

Specifications:

- Ambient temperature range: 22 to 130°F (-5 to 55°C)
- Torque: 53.10 in. lbs
- Protection type: NEMA 1 (IP 40)
- Supply voltage: 24 VAC, 50 - 60 Hz
- Power consumption: 2 VA (watts) when operating

Brass Mixing Valves

Compact 3- or 4-way brass mixing valves are ideal for reliable control of radiant or SIM supply water temperature. Suitable for motor controlled radiant or SIM applications with 600 series control motor (Art. 260526-001). When choosing a 3- or 4-way mixing valve, size according to flow (Cv) and not pipe size, for more accurate mixing. This often means using a valve that is one size smaller than supply/return pipes.

**3-Way Brass Mixing Valves**

Article No.	Description	Cv	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
260106-001	3/4 in. FPT 3-way Brass Mixing Valve	7.3	1	0.5	1.0	1
260116-001	1 in. FPT 3-way Brass Mixing Valve	11.7	1	0.7	1.5	1
260136-001	1 1/4 in. FPT 3-way Brass Mixing Valve	18.7	1	1.0	2.3	1
260146-001*	1 1/2 in. FPT 3-way Brass Mixing Valve	29.3	1	1.68	3.7	1

* This item is not stocked. Lead times may vary.

Specifications:

- Maximum operating pressure: 145 psi (10 bar)
- Maximum operating temperature: 230°F (110°C)
- Minimum operating temperature: -15°F (-10°C)
- Maximum mixing differential pressure: 14.5 psi (1 bar)
- Maximum diverting differential pressure: 20 psi (2 bar)
- Maximum torque: 45 lbf-in (5 Nm)

**4-Way Brass Mixing Valves**

Article No.	Description	Cv	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
260236-001	3/4 in. FPT 4-way Brass Mixing Valve	7.3	1	0.5	1.1	1
260246-001	1 in. FPT 4-way Brass Mixing Valve	11.7	1	0.8	1.7	1
260266-001	1 1/4 in. FPT 4-way Brass Mixing Valve	18.7	1	1.2	2.6	1

Specifications:

- Maximum operating pressure: 145 psi (10 bar)
- Maximum operating temperature: 230°F (110°C)
- Minimum operating temperature: -15°F (-10°C)
- Maximum differential pressure: 14.5 psi (1 bar)
- Maximum torque: 45 lbf-in (5 Nm)

19. HYDRONIC ACCESSORIES



Pressure Differential Bypass Valves

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
260517	1/2 in. C Female (Sweat) Pressure Bypass Valve	1	0.68	1.5	1
260527	3/4 in. C Female (Sweat) Pressure Bypass Valve	1	0.91	2.0	1
267987*	1 in. MPT Pressure Bypass Valve	1	1.40	3.0	1

* This item is not stocked. Lead times may vary.

Pressure differential bypass valves divert excess flow when one circulator pump is used with multiple zones, reducing wear on the pump, avoiding noise problems in the control valves and allowing more stable temperature control. Valves are pressure-adjustable. Connections (union ends) are to copper pipe for 1/2 and 3/4 in. valves. The 1 in. valve is supplied with 1 in. MPT union ends.



Thermometers

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
260957	Thermometer with 1/2 in. MPT Well Fitting	1	0.12	0.26	1
260967	Thermometer with 3/4 in. Solder Well Fitting	1	0.13	0.29	1

Thermometers are recommended in radiant/SIM supply and return pipes to monitor fluid temperatures. REHAU immersion well thermometers have a 2 1/2 in. dial, reading from 50 to 250°F (10 to 120°C).



Combination Temperature/Pressure Gauges

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
266417	Combination Temperature/Pressure Gauge	1	0.14	0.30	1

The combination temperature/pressure gauge has a 2 1/2 in. dial reading from 0 to 100 psi and 30 to 240°F (-1 to 115°C). 1/4 in. NPT back-mounted connection for installation in a pipe tee/fitting. The immersion gauge contacts the water directly to give the highest degree of temperature and pressure accuracy. For use in radiant and SIM applications.



Heat Exchangers

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
266477	Heat Exchanger, 3/4 in. MPT Connections (100,000 Btu load)	1	2.0	4.4	1
266487-001	Heat Exchanger, 3/4 in. MPT Connections (150,000 Btu load)	1	2.4	5.3	1

Compact stainless steel heat exchanger for use in radiant and SIM projects. Applications include: radiant systems using a domestic hot water tank as the heat source to separate heating water from drinking water (check local codes), SIM systems using concentration of glycol (antifreeze) different than the rest of the hydronic system. CSA and UL approved. Can provide more than 100,000 Btu/hr, depending on temperatures and flow rates. Has 1/4 - 20 studs for mounting.

INSULPEX® PRE-INSULATED PEXa PIPING SYSTEM

Product Catalog, 2018

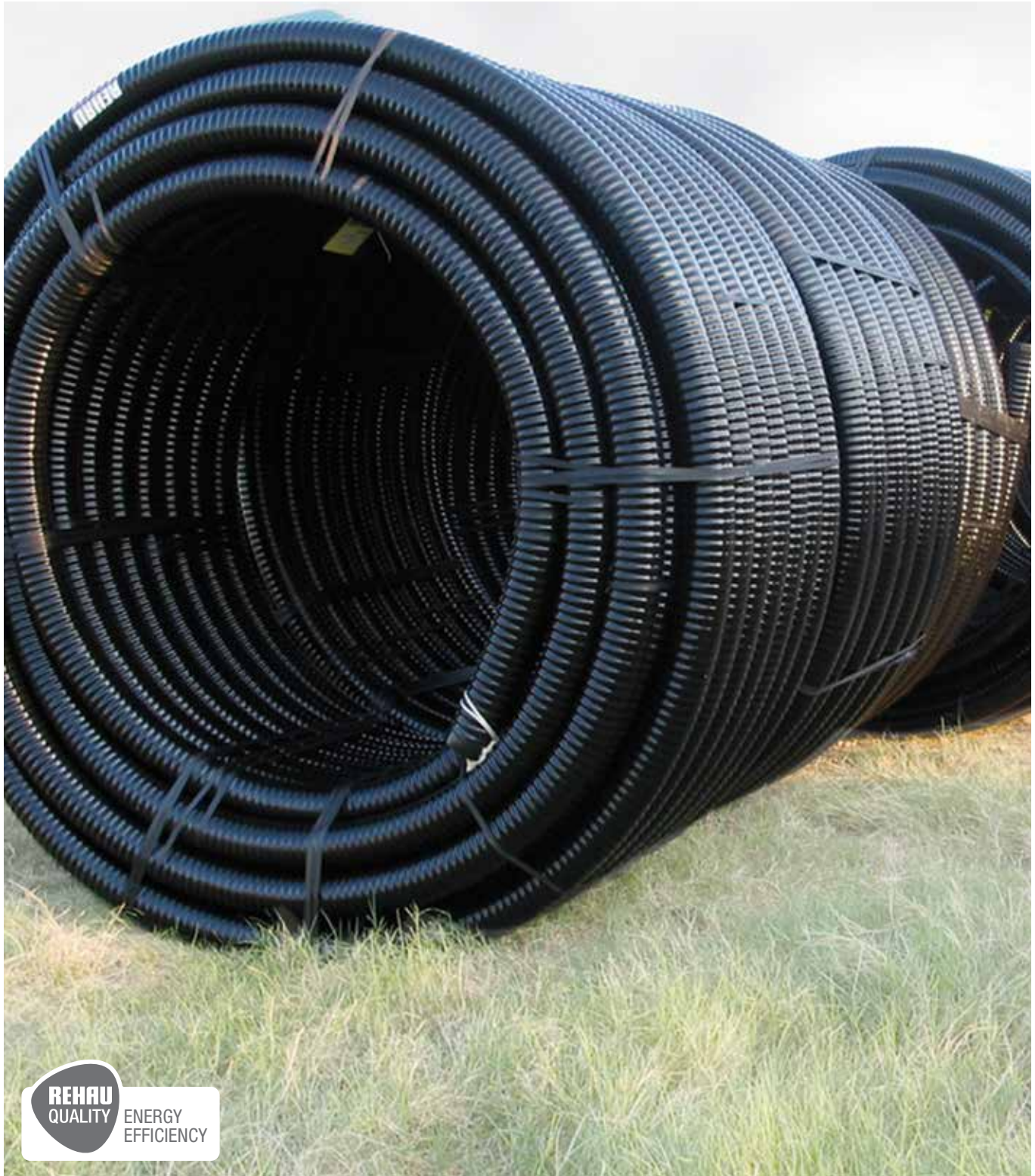


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For updates to this publication and the most current technical instructions, safety information and manufacturer's recommendations, visit na.rehau.com/resourcecenter

1. INSULPEX PIPE

INSULPEX pipe consists of O₂ Barrier PEXa pipe encased in closed-cell polyurethane (PUR) foam insulation, with a protective low-density polyethylene (PE) outer casing. O₂ Barrier pipe is made of high-quality crosslinked polyethylene, manufactured using the high-pressure peroxide method (PEXa). O₂ Barrier pipe has a co-extruded oxygen diffusion layer that complies with the requirements of DIN 4726. O₂ Barrier pipe is manufactured by REHAU in a plant using a quality management system that is certified to ISO 9001.

INSULPEX pipe meets the requirements of DIN 16892 and 16893. The size listed in the description is the nominal diameter in millimeters, according to DIN 16893. Metric pipes are SDR11. Refer to *INSULPEX Technical Manual* (Art. 855.630) for pipe dimension details, capacities and temperature/pressure ratings.



One-pipe System – Coils						
Article No.	Description	Maximum Coil Size		Unit Weight		Minimum Order
		ft	m	kg/m	lb/ft	
423418-001	25 mm INSULPEX O ₂ Barrier Pipe (91)	1640	500	1.2	0.80	35 ft
423419-001	32 mm INSULPEX O ₂ Barrier Pipe (91)	1640	500	1.4	0.93	35 ft
241082-001	40 mm INSULPEX O ₂ Barrier Pipe (91)	1640	500	1.5	1.0	35 ft
241092-001	50 mm INSULPEX O ₂ Barrier Pipe (111)	985	300	2.2	1.5	35 ft
221317	63 mm INSULPEX O ₂ Barrier Pipe (126)	820	250	2.9	1.9	35 ft
221327	75 mm INSULPEX O ₂ Barrier Pipe (142)	605	185	3.4	2.3	35 ft
221337	90 mm INSULPEX O ₂ Barrier Pipe (162)	285	88	4.6	3.1	35 ft
221347	110 mm INSULPEX O ₂ Barrier Pipe (162)	285	88	5.1	3.4	35 ft
222677-001	125 mm INSULPEX O ₂ Barrier Pipe (182)	130	40	6.4	4.3	35 ft
315265-001*	140 mm INSULPEX O ₂ Barrier Pipe (202)	115	36	7.6	4.0	35 ft

* This item is not stocked. Lead times may vary.

One carrier pipe in the size listed, within PUR insulation and a corrugated PE outer casing.

One-pipe System – Straight Lengths					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg/pce	lb/pce	
221317-005	63 mm INSULPEX O ₂ Barrier Pipe 16.4 ft (5 m) Straight Length	1	13.0	28.7	1
221327-005	75 mm INSULPEX O ₂ Barrier Pipe 16.4 ft (5 m) Straight Length	1	17.0	37.4	1
221337-005	90 mm INSULPEX O ₂ Barrier Pipe 16.4 ft (5 m) Straight Length	1	22.8	50.3	1
221347-005	110 mm INSULPEX O ₂ Barrier Pipe 16.4 ft (5 m) Straight Length	1	28.5	62.7	1
222677-005	125 mm INSULPEX O ₂ Barrier Pipe 16.4 ft (5 m) Straight Length	1	36.1	79.6	1
315265-005*	140 mm INSULPEX O ₂ Barrier Pipe 16.4 ft (5 m) Straight Length	1	44.0	96.8	1

* This item is not stocked. Lead times may vary.

One carrier pipe in the size listed, within PUR insulation and a corrugated PE outer casing.



Two-pipe System – Coils						
Article No.	Description	Maximum Coil Size		Unit Weight		Minimum Order
		ft	m	kg/m	lb/ft	
423421-001	25 + 25 mm INSULPEX O ₂ Barrier Pipe (111)	985	300	1.9	1.2	35 ft
241032-001	32 + 32 mm INSULPEX O ₂ Barrier Pipe (111)	985	300	2.1	1.4	35 ft
241042-001	40 + 40 mm INSULPEX O ₂ Barrier Pipe (126)	820	250	2.7	1.8	35 ft
241052-001	50 + 50 mm INSULPEX O ₂ Barrier Pipe (162)	285	88	4.3	2.9	35 ft
221427	63 + 63 mm INSULPEX O ₂ Barrier Pipe (182)	130	40	5.3	3.6	35 ft

Two carrier pipes in the size listed, within PUR insulation and a corrugated PE outer casing.

Table of Pipe Diameters					
Article No.	Description	Casing		RAUPEX	
		Outer Diameter	in mm	Inside Diameter	in mm
423418	25 mm INSULPEX O ₂ Barrier Pipe	3.6	91	0.76	20.6
423419	32 mm INSULPEX O ₂ Barrier Pipe	3.6	91	1.0	26.4
241082	40 mm INSULPEX O ₂ Barrier Pipe	3.6	91	1.29	32.8
241092	50 mm INSULPEX O ₂ Barrier Pipe	4.4	111	1.62	41.1
221317	63 mm INSULPEX O ₂ Barrier Pipe	5.0	126	2.04	51.7
221327	75 mm INSULPEX O ₂ Barrier Pipe	5.6	142	2.43	61.8
221337	90 mm INSULPEX O ₂ Barrier Pipe	6.4	162	2.92	74.1
221347	110 mm INSULPEX O ₂ Barrier Pipe	6.4	162	3.56	90.5
222677	125 mm INSULPEX O ₂ Barrier Pipe	7.2	182	4.05	102.8
315265	140 mm INSULPEX O ₂ Barrier Pipe	8.0	202	4.51	114.6
423421	25 + 25 mm INSULPEX O ₂ Barrier Pipe	4.4	111	0.76	20.6
241032	32 + 32 mm INSULPEX O ₂ Barrier Pipe	4.4	111	1.04	26.4
241042	40 + 40 mm INSULPEX O ₂ Barrier Pipe	5.0	126	1.29	32.8
241052	50 + 50 mm INSULPEX O ₂ Barrier Pipe	6.4	162	1.62	41.1
221427	63 + 63 mm INSULPEX O ₂ Barrier Pipe	7.2	182	2.04	51.7

Casing OD is the average outside diameter between the higher and the lower rib profiles.

2. INSULPEX END CAPS

Heat shrink end caps provide a seal around the end of INSULPEX, sealing onto RAUPEX pipe and the PE casing to protect against water infiltration in buried applications. Follow installation instructions in the *INSULPEX Installation Guide* (855.631).



Heat Shrink End Caps, One-pipe System

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
209961-001	25/32/40/50 mm INSULPEX Heat Shrink End Cap	1	0.12	0.26	1
209962-001	63/75mm INSULPEX Heat Shrink End Cap	1	0.12	0.26	1
209963-001	90/110/125/140 mm INSULPEX Heat Shrink End Cap	1	0.25	0.54	1



Heat Shrink End Caps, Two-pipe System

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
209964-001	25 + 25 mm INSULPEX Heat Shrink End Cap	1	0.11	0.24	1
209966-001	32 + 32/40 + 40 mm INSULPEX Heat Shrink End Cap	1	0.15	0.34	1
209967-001	50 + 50 mm INSULPEX Heat Shrink End Cap	1	0.15	0.34	1
209968-001	63 + 63 mm INSULPEX Heat Shrink End Cap	1	0.21	0.45	1



Slip-on End Caps, One-pipe System

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
242544-001	25 mm INSULPEX Slip-on End Cap	1	0.11	0.24	1
246989-001	32 mm INSULPEX Slip-on End Cap	1	0.08	0.18	1
242584-001	40 mm INSULPEX Slip-on End Cap	1	0.05	0.11	1
242604-001	50 mm INSULPEX Slip-on End Cap	1	0.11	0.24	1
242624	63 mm INSULPEX Slip-on End Cap	1	0.12	0.26	1
242644	75 mm INSULPEX Slip-on End Cap	1	0.04	0.09	1
242664	90 mm INSULPEX Slip-on End Cap	1	0.05	0.11	1
242674	110 mm INSULPEX Slip-on End Cap	1	0.05	0.10	1
288374-001	125 mm INSULPEX Slip-on End Cap	1	0.50	1.10	1



Slip-on End Caps, Two-pipe System					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
240313-001	25 + 25 mm INSULPEX Slip-on End Cap	1	0.05	0.11	1
242724-001	32 + 32 mm INSULPEX Slip-on End Cap	1	0.04	0.09	1
242754-001	40 + 40 mm INSULPEX Slip-on End Cap	1	0.05	0.11	1
242784-001	50 + 50 mm INSULPEX Slip-on End Cap	1	0.05	0.11	1
239091	63 + 63 mm INSULPEX Slip-on End Cap	1	0.07	0.15	1

Slip-on end caps improve cosmetic appearance at ends of INSULPEX pipes inside a building or chamber. Slip-on end caps are not watertight, and are not certified for underground burial.



Wall Sealing Rings					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
240363	91 mm ID Wall Sealing Ring (5.25 in. OD)	1	0.45	1.00	1
240373-001	111 mm ID Wall Sealing Ring (6.00 in. OD)	1	0.30	0.70	1
240383-001	126 mm ID Wall Sealing Ring (6.60 in. OD)	1	0.50	1.10	1
240393-001	142 mm ID Wall Sealing Ring (7.20 in. OD)	1	0.60	1.32	1
240403-001	162 mm ID Wall Sealing Ring (8.00 in. OD)	1	0.69	1.54	1
239101-001	182 mm ID Wall Sealing Ring (8.60 in. OD)	1	0.50	1.10	1
353278-001	202 mm ID Wall Sealing Ring (9.20 in. OD)	1	0.90	1.98	1

Neoprene wall sealing rings fit tightly over the INSULPEX casing, and are meant to be located at wall penetrations. Barbed design prevents pull out. Use the sizing chart in the *INSULPEX Technical Manual* (855.630) or from the pipe diameters chart located on page 3.4, to determine the correct wall sealing ring.

3. INSULPEX INSULATION KITS

Universal tee insulation kits are for use with various pipe diameters. Insulation is NOT included with these kits. Follow directions included with kit.



Universal Coupling Shroud + Heat Shrink Kits					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
354527-002	Small Coupling Shroud Insulation Kit, for up to 142 mm INSULPEX casing OD	1	1.6	3.5	1
352507-002	Large Coupling Shroud Insulation Kit, for up to 202 mm INSULPEX casing OD	1	4.1	9.0	1

Kits include heat shrink sleeves for sealing around INSULPEX pipes.



Universal Elbow Shroud + Heat Shrink Kits					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
303928-001	Small Elbow Shroud Insulation Kit, for up to 142 mm INSULPEX casing OD	1	2.5	5.5	1
303927-001	Large Elbow Shroud Insulation Kit, for up to 202 mm INSULPEX casing OD	1	6.0	13.2	1

Kits include heat shrink sleeves for sealing around INSULPEX pipes.



Universal Tee Shroud + Heat Shrink Kits					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
354526-002	Small Tee Shroud Insulation Kit, for up to 142 mm INSULPEX casing OD	1	2.8	6.2	1
352508-002	Large Tee Shroud Insulation Kit, for up to 202 mm INSULPEX casing OD	1	5.6	12.3	1

Kits include heat shrink sleeves for sealing around INSULPEX pipes.



Universal Coupling Shell Assembly Kits					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
330056-001 ⁺	Small Coupling Shell Kit, for up to 126 mm INSULPEX casing OD	1	2.2	4.9	1
352038-001 ⁺	Large Coupling Shell Kit, for up to 182 mm INSULPEX casing OD	1	5.2	11.5	1

⁺ This item is not stocked. Lead times may vary.
Order sealing rings separately per the outer diameter of the INSULPEX pipe



Universal Elbow Shell Assembly Kits					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
330057-001 ⁺	Small Elbow Shell Kit, for up to 126 mm INSULPEX casing OD	1	2.1	4.6	1
352039-001 ⁺	Large Elbow Shell Kit, for up to 182 mm INSULPEX casing OD	1	4.4	9.7	1

⁺ This item is not stocked. Lead times may vary.
Order sealing rings separately per the outer diameter of the INSULPEX pipe



Universal Tee Shell Assembly Kits					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
330055-001 ⁺	Small Tee Shell Kit, for up to 126 mm INSULPEX casing OD	1	2.8	6.2	1
351054-001 ⁺	Large Tee Shell Kit, for up to 182 mm INSULPEX casing OD	1	3.6	7.9	1

⁺ This item is not stocked. Lead times may vary.
Order sealing rings separately per the outer diameter of the INSULPEX pipe



INSULPEX Sealing Rings and Plugs					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
330017-001 ⁺	91 mm Small Shell Kit Sealing Ring	1	0.33	0.73	1
330018-001 ⁺	111 mm Small Shell Kit Sealing Ring	1	0.21	0.46	1
176282-050 ⁺	Small Tee Shell Kit Plug (111 mm SR)	1	0.10	0.2	1
330019-001 ⁺	126 mm Small Shell Kit Sealing Ring	1	0.10	0.19	1
351056-001 ⁺	91 mm Large Insulation Kit Sealing Ring	1	1.08	2.38	1
351057-001 ⁺	111 mm Large Insulation Kit Sealing Ring	1	1.03	2.26	1
351058-001 ⁺	126 mm Large Insulation Kit Sealing Ring	1	0.95	2.09	1
351059-001 ⁺	142 mm Large Insulation Kit Sealing Ring	1	0.90	1.98	1
351061-001 ⁺	162 mm Large Insulation Kit Sealing Ring	1	0.85	1.88	1
176302-050 ⁺	Large Tee Shell Kit Plug (162 mm SR)	1	0.27	0.6	1
351062-001 ⁺	182 mm Large Insulation Kit Sealing Ring	1	0.68	1.49	1

⁺ This item is not stocked. Lead times may vary.
Order sealing rings separately per the outer diameter of the INSULPEX pipe.

4. SDR11 COMPRESSION-SLEEVE FITTINGS

SDR11 compression-sleeve fittings and sleeves are designed specifically for use with REHAU PEXa pipe. Installation is performed with RAUTOOL PEX pipe installation tools. Follow all published REHAU *Technical Guidelines*. SDR11 compression-sleeve fittings are not certified for potable water applications.



Compression Sleeves						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
139572-001	25 mm SDR11 Compression Sleeve	50	50	0.04	0.09	1 box
139492-001	32 mm SDR11 Compression Sleeve	50	50	0.08	0.18	1 box
138683-001	40 mm SDR11 Compression Sleeve	25	25	0.13	0.29	1 box
138693-001	50 mm SDR11 Compression Sleeve	25	25	0.26	0.57	1 box
138703-001	63 mm SDR11 Compression Sleeve	1	1	0.39	0.85	1 box
267671-	75 mm SDR11 Compression Sleeve	1	1	0.50	1.10	1 box
267681-	90 mm SDR11 Compression Sleeve	1	1	0.52	1.15	1 box
267691-	110 mm SDR11 Compression Sleeve	1	1	1.09	2.40	1 box
235229-001	125 mm SDR11 Compression Sleeve	1	1	1.60	3.53	1 box
206256-001	140 mm SDR11 Compression Sleeve	1	1	1.86	4.10	1 box

Tapered end installs toward fitting. Sizes up to 63 mm are brass. Sizes 75 to 140 mm are bronze. Not certified for potable water.



Couplings						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
169010-001	25 x 25 mm SDR11 Coupling	10	50	0.09	0.20	1 box
169013-001	32 x 32 mm SDR11 Coupling	3	30	0.18	0.40	1 box
169015-001	40 x 40 mm SDR11 Coupling	5	25	0.38	0.84	1 box
169144-001	50 x 50 mm SDR11 Coupling	1	1	0.57	1.26	1 box
169142-001	63 x 63 mm SDR11 Coupling	1	1	1.00	2.21	1 box
267611	75 x 75 mm SDR11 Coupling	1	1	1.68	3.70	1 box
267621	90 x 90 mm SDR11 Coupling	1	1	2.46	5.42	1 box
267631	110 x 110 mm SDR11 Coupling	1	1	3.12	6.88	1 box
235219-001	125 x 125 mm SDR11 Coupling	1	1	4.50	9.92	1 box
206257-001	140 x 140 mm SDR11 Coupling	1	1	4.99	11.0	1 box

Couplings connect to RAUPEX pipe using RAUTOOL PEX pipe installation tools. Sizes up to 63 mm are brass. Sizes 75 to 140 mm are bronze. Order sleeves separately. Not certified for potable water.



Reducer Couplings						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
169014-001*	32 x 25 mm SDR11 Coupling	3	30	0.14	0.31	1 box
169017-001*	40 x 32 mm SDR11 Coupling	5	25	0.28	0.62	1 box
169170-001*	50 x 32 mm SDR11 Coupling	1	1	0.41	0.90	1 box
169147-001*	50 x 40 mm SDR11 Coupling	1	1	0.48	1.06	1 box
169148-001*	63 x 50 mm SDR11 Coupling	1	1	0.76	1.67	1 box
267641*	75 x 63 mm SDR11 Coupling	1	1	1.40	3.10	1 box
267651*	90 x 75 mm SDR11 Coupling	1	1	2.70	4.56	1 box
267661*	110 x 90 mm SDR11 Coupling	1	1	3.10	6.80	1 box

* This item is not stocked. Lead times may vary.

Couplings connect to RAUPEX pipe using RAUTOOL PEX pipe installation tools. Sizes up to 63 mm are brass. Sizes 75 to 110 mm are bronze. Order compression sleeves separately. Not certified for potable water.



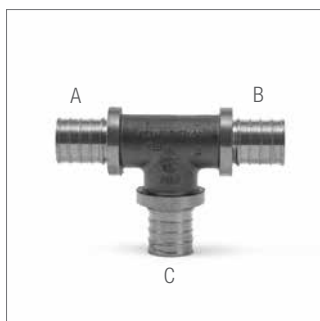
MPT Adapters						
Article No.	Description	Package Quantity		Unit Weight		Minimum Order
		Box	Carton	kg	lb	
298246-001	25 mm SDR11 x 1 in. MPT or 3/4 in. C Female Adapter	5	30	0.18	0.40	1 box
235117-001	32 mm SDR11 x 1 1/4 in. MPT or 1 in. C Female Adapter	5	30	0.34	0.75	1 box
235127-001	40 mm SDR11 x 1 1/2 in. MPT or 1 1/4 C Female Adapter	1	1	0.50	1.10	1 box
235137-001	50 mm SDR11 x 2 in. MPT or 1 1/2 C Female Adapter	1	1	0.84	1.85	1 box
235157	63 mm SDR11 x 2 1/2 in. MPT or 2 in. C Female Adapter	1	1	1.51	3.33	1 box
235147	63 mm SDR11 x 2 in. MPT Adapter	1	1	1.50	3.30	1 box
235167	75 mm SDR11 x 3 in. MPT Adapter	1	1	2.33	5.14	1 box
235177	90 mm SDR11 x 3 in. MPT Adapter	1	1	2.10	4.62	1 box
235187	110 mm SDR11 x 4 in. MPT Adapter	1	1	3.69	8.14	1 box

Make threaded or solder connections before connecting to RAUPEX pipe. Order compression sleeves separately. Sizes up to 63 mm are brass. Sizes 75 to 110 mm are bronze. Make threaded connection before connecting to RAUPEX pipe. Fittings are installed using RAUTOOL PEX pipe installation tools. Not certified for potable water.



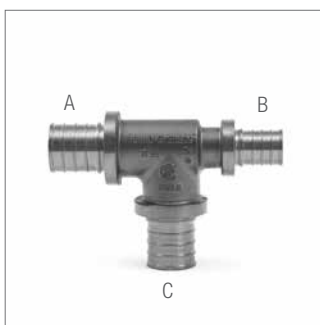
90° Elbows						
Article No.	Description	Package Box	Quantity Carton	Unit Weight kg	Unit Weight lb	Minimum Order
169126-001	25 x 25 mm SDR11 Elbow	10	50	0.16	0.35	1 box
169128-001	32 x 32 mm SDR11 Elbow	3	30	0.29	0.64	1 box
169130-001	40 x 40 mm SDR11 Elbow	1	1	0.52	1.15	1 box
169145-001	50 x 50 mm SDR11 Elbow	1	1	0.82	1.81	1 box
169146-001	63 x 63 mm SDR11 Elbow	1	1	1.67	3.69	1 box
267751	75 x 75 mm SDR11 Elbow	1	1	2.44	5.38	1 box
267761	90 x 90 mm SDR11 Elbow	1	1	3.30	7.28	1 box
267771	110 x 110 mm SDR11 Elbow	1	1	5.32	11.7	1 box

Elbows connect to RAUPEX pipe using RAUTOOL PEX pipe installation tools. Sizes up to 63 mm are brass. Sizes 75 to 110 mm are bronze. Order compression sleeves separately. Not certified for potable water.



Straight Tees						
Article No.	Description (A x B x C)	Package Box	Quantity Carton	Unit Weight kg	Unit Weight lb	Minimum Order
169056-001	25 x 25 x 25 mm SDR11 Tee	10	50	0.20	0.44	1 box
169063-001	32 x 32 x 32 mm SDR11 Tee	3	30	0.40	0.88	1 box
169072-001	40 x 40 x 40 mm SDR11 Tee	1	1	0.77	1.70	1 box
169156-001	50 x 50 x 50 mm SDR11 Tee	1	1	0.87	1.92	1 box
169167-001	63 x 63 x 63 mm SDR11 Tee	1	1	2.14	4.72	1 box
221946-001	75 x 75 x 75 mm SDR11 Tee	1	1	3.47	7.65	1 box
221948-001	90 x 90 x 90 mm SDR11 Tee	1	1	4.00	8.00	1 box
221953-001	110 x 110 x 110 mm SDR11 Tee	1	1	7.09	15.6	1 box

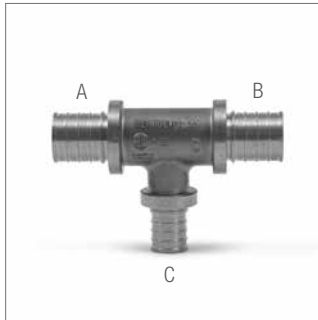
Tees connect to RAUPEX pipe using RAUTOOL PEX pipe installation tools. Order compression sleeves separately. Not certified for potable water.



Run Reducing Tees						
Article No.	Description (A x B x C)	Package Box	Quantity Carton	Unit Weight kg	Unit Weight lb	Minimum Order
169062-001+	32 x 25 x 32 mm SDR11 Tee	3	30	0.35	0.77	1 box

+ This item is not stocked. Lead times may vary.

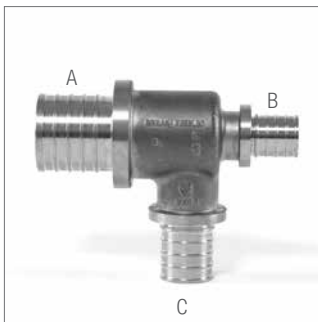
Tees connect to RAUPEX pipe using RAUTOOL PEX pipe installation tools. Order compression sleeves separately. Not certified for potable water.



Branch Reducing Tees						
Article No.	Description (A x B x C)	Package Box	Quantity Carton	Unit Weight kg	Unit Weight lb	Minimum Order
169061-001 ⁺	32 x 32 x 25 mm SDR11 Tee	3	30	0.33	0.73	1 box
169069-001 ⁺	40 x 40 x 25 mm SDR11 Tee	1	1	0.67	1.48	1 box
169071-001 ⁺	40 x 40 x 32 mm SDR11 Tee	1	1	0.70	1.54	1 box
169152-001 ⁺	50 x 50 x 25 mm SDR11 Tee	1	1	0.83	1.83	1 box
169154-001 ⁺	50 x 50 x 32 mm SDR11 Tee	1	1	0.82	1.81	1 box
169155-001 ⁺	50 x 50 x 40 mm SDR11 Tee	1	1	0.90	1.98	1 box
169159-001 ⁺	63 x 63 x 25 mm SDR11 Tee	1	1	1.20	2.65	1 box
169161-001 ⁺	63 x 63 x 32 mm SDR11 Tee	1	1	1.20	2.65	1 box
169164-001 ⁺	63 x 63 x 40 mm SDR11 Tee	1	1	1.70	3.75	1 box
169166-001 ⁺	63 x 63 x 50 mm SDR11 Tee	1	1	1.90	4.19	1 box
267781-001 ⁺	63 x 63 x 75 mm SDR11 Tee	1	1	2.70	5.60	1 box
221934-001 ⁺	75 x 75 x 25 mm SDR11 Tee	1	1	2.10	4.63	1 box
267791-001 ⁺	75 x 75 x 32 mm SDR11 Tee	1	1	2.10	4.63	1 box
221936-001 ⁺	75 x 75 x 40 mm SDR11 Tee	1	1	2.25	4.96	1 box
231326-001 ⁺	75 x 75 x 50 mm SDR11 Tee	1	1	2.50	5.51	1 box
221944-001 ⁺	75 x 75 x 63 mm SDR11 Tee	1	1	2.93	6.47	1 box
231336-001 ⁺	90 x 90 x 32 mm SDR11 Tee	1	1	3.00	6.61	1 box
221945-001 ⁺	90 x 90 x 40 mm SDR11 Tee	1	1	3.20	7.05	1 box
231346 ⁺	90 x 90 x 63 mm SDR11 Tee	1	1	3.61	7.96	1 box
231356-001 ⁺	110 x 110 x 32 mm SDR11 Tee	1	1	4.30	9.48	1 box
221950-001 ⁺	110 x 110 x 50 mm SDR11 Tee	1	1	5.30	11.68	1 box
231366 ⁺	110 x 110 x 63 mm SDR11 Tee	1	1	5.40	11.9	1 box

⁺ This item is not stocked. Lead times may vary.

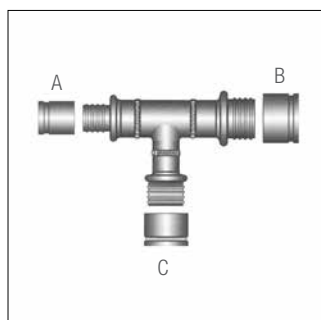
Tees connect to RAUPEX pipe using RAUTOOL PEX pipe installation tools. Order compression sleeves separately. Not certified for potable water.



Branch and Run Reducing Tees						
Article No.	Description (A x B x C)	Package Box	Quantity Carton	Unit Weight kg	Unit Weight lb	Minimum Order
169060-001 ⁺	32 x 25 x 25 mm SDR11 Tee	3	30	0.28	0.62	1 box
169070-001 ⁺	40 x 32 x 32 mm SDR11 Tee	1	1	0.58	1.28	1 box
169151-001 ⁺	50 x 40 x 25 mm SDR11 Tee	1	1	0.82	1.81	1 box
169153-001 ⁺	50 x 40 x 32 mm SDR11 Tee	1	1	0.72	1.59	1 box
169162-001 ⁺	63 x 40 x 40 mm SDR11 Tee	1	1	1.50	3.31	1 box
169160-001 ⁺	63 x 50 x 32 mm SDR11 Tee	1	1	1.20	2.65	1 box
169163-001 ⁺	63 x 50 x 40 mm SDR11 Tee	1	1	1.60	3.53	1 box
169165-001 ⁺	63 x 50 x 50 mm SDR11 Tee	1	1	1.60	3.53	1 box
221935-001 ⁺	75 x 63 x 32 mm SDR11 Tee	1	1	2.10	4.63	1 box
221938-001 ⁺	75 x 63 x 50 mm SDR11 Tee	1	1	2.40	5.29	1 box
221943-001 ⁺	75 x 63 x 63 mm SDR11 Tee	1	1	2.65	5.84	1 box

⁺ This item is not stocked. Lead times may vary.

Tees connect to RAUPEX pipe using RAUTOOL PEX pipe installation tools. Order compression sleeves separately. Not certified for potable water.



Carbon Steel Tees					
Article No.	Description (A x B x C)	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
222684-001 ⁺	40 x 32 x 25 mm SDR11 Tee	1	1.50	3.30	1
222704-001 ⁺	50 x 40 x 40 mm SDR 11 Tee	1	2.00	4.40	1
222714-001 ⁺	63 x 50 x 25 mm SDR11 Tee	1	2.50	5.50	1
241194-001 ⁺	75 x 63 x 25 mm SDR11 Tee	1	2.53	5.58	1
241214 ⁺	75 x 63 x 40 mm SDR11 Tee	1	2.82	6.22	1
241304-001 ⁺	90 x 75 x 25 mm SDR11 Tee	1	3.84	8.47	1
241314-001 ⁺	90 x 75 x 32 mm SDR11 Tee	1	4.05	8.93	1
241324-001 ⁺	90 x 75 x 40 mm SDR11 Tee	1	4.23	9.32	1
241334 ⁺	90 x 75 x 50 mm SDR11 Tee	1	4.58	10.10	1
241344 ⁺	90 x 75 x 63 mm SDR11 Tee	1	5.09	11.22	1
241354- ⁺	90 x 75 x 75 mm SDR11 Tee	1	4.47	9.86	1
241364-001 ⁺	90 x 90 x 25 mm SDR11 Tee	1	4.55	10.03	1
241394 ⁺	90 x 90 x 50 mm SDR11 Tee	1	5.28	11.64	1
241414-001 ⁺	90 x 90 x 75 mm SDR11 Tee	1	6.51	14.35	1
241434-001 ⁺	110 x 90 x 25 mm SDR11 Tee	1	5.00	11.02	1
241444-001 ⁺	110 x 90 x 32 mm SDR11 Tee	1	5.25	11.57	1
241454-001 ⁺	110 x 90 x 40 mm SDR11 Tee	1	5.43	11.97	1
241464-001 ⁺	110 x 90 x 50 mm SDR11 Tee	1	5.77	12.72	1
241474-001 ⁺	110 x 90 x 63 mm SDR11 Tee	1	5.77	12.72	1
241484-001 ⁺	110 x 90 x 75 mm SDR11 Tee	1	6.29	13.87	1
241494-001 ⁺	110 x 90 x 90 mm SDR11 Tee	1	7.00	15.43	1
241504-001 ⁺	110 x 110 x 25 mm SDR11 Tee	1	5.53	12.19	1
241524-001 ⁺	110 x 110 x 40 mm SDR11 Tee	1	6.26	13.80	1
241554-001 ⁺	110 x 110 x 75 mm SDR11 Tee	1	6.78	14.95	1
241564-001 ⁺	110 x 110 x 90 mm SDR11 Tee	1	7.49	16.51	1
310318-001 ⁺	125 x 110 x 25 mm SDR11 Tee	1	9.00	19.80	1
310317-001 ⁺	125 x 110 x 32 mm SDR11 Tee	1	9.00	19.80	1
310316-001 ⁺	125 x 110 x 40 mm SDR11 Tee	1	9.50	20.90	1
310308-001 ⁺	125 x 110 x 50 mm SDR11 Tee	1	9.50	20.90	1
310307-001 ⁺	125 x 110 x 63 mm SDR11 Tee	1	10.00	22.00	1
310306-001 ⁺	125 x 110 x 75 mm SDR11 Tee	1	10.00	22.05	1
301889-001 ⁺	125 x 110 x 90 mm SDR11 Tee	1	10.50	23.15	1
301888-001 ⁺	125 x 110 x 110 mm SDR11 Tee	1	11.50	25.35	1
301897-001 ⁺	125 x 110 x 125 mm SDR11 Tee	1	13.00	28.66	1
301906-001 ⁺	125 x 125 x 25 mm SDR11 Tee	1	10.00	22.00	1
301905-001 ⁺	125 x 125 x 32 mm SDR11 Tee	1	10.10	22.22	1
304004-001 ⁺	125 x 125 x 40 mm SDR11 Tee	1	10.50	23.10	1
301896-001 ⁺	125 x 125 x 50 mm SDR11 Tee	1	10.00	22.00	1
301895-001 ⁺	125 x 125 x 63 mm SDR11 Tee	1	11.00	24.25	1
352896-001 ⁺	125 x 125 x 75 mm SDR11 Tee	1	11.10	24.47	1
352897-001 ⁺	125 x 125 x 90 mm SDR11 Tee	1	11.50	25.36	1
352899-001 ⁺	125 x 125 x 110 mm SDR11 Tee	1	12.50	27.56	1
352898-001 ⁺	125 x 125 x 125 mm SDR11 Tee	1	14.00	30.87	1

⁺ This item is not stocked. Lead times may vary.

Welded carbon steel fitting includes three SDR11 brass sleeves (25 to 63 mm) or gunmetal (75 to 125 mm).

These fittings connect to RAUTOOL PEX pipe installation tools. Not certified for potable water.



Carbon Steel Welding Ends					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
221807	63 mm SDR11 x NPS 2 in. Schedule 40 Carbon Steel Welding End	1	0.73	1.6	1
221817	75 mm SDR11 x NPS 2 1/2 in. Schedule 40 Carbon Steel Welding End	1	1.13	2.5	1
221827	90 mm SDR11 x NPS 3 in. Schedule 40 Carbon Steel Welding End	1	1.50	3.3	1
221837-001	110 mm SDR11 x NPS 4 in. Schedule 40 Carbon Steel Welding End	1	2.20	4.9	1
298256-001	125 mm SDR11 x NPS 4 in. Schedule 40 Carbon Steel Welding End	1	2.50	5.5	1
206253-001	140 mm SDR11 x 139.7 x 3.6 mm Carbon Steel Welding End	1	4.58	10.1	1

Carbon steel welding ends can be used with standard steel welding tees to create custom tees. Used for custom tee fabrication on closed systems with air removal devices and with RAUPEX O₂ barrier pipe. Order sleeves separately. Not certified for potable water.

5. RAUTOOL PEX PIPE INSTALLATION TOOLS



RAUTOOL M1 Manual Tool Kits					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
298296-001	M1 25 to 40 mm	1	10.1	22.2	1 kit

The M1 manually operated tool is used for the assembling SDR11 compression-sleeve fittings in sizes 25, 32 and 40 mm.

Each M1 tool kit comes complete with the following:

- M1 basic tool
- Pipe expander RO
- Ratchet pipe cutter
- SDR11 expansion head RO 25 mm
- SDR11 expansion head RO 32 mm
- SDR11 expansion head assembly M1 40 mm (Art. 137314-001)
- Set of SDR11 clamping jaws M1 25/32 mm (Art. 137364-001)
- Set of SDR11 clamping jaws M1 40 mm (Art. 201798-001)
- Grease and brush pack
- Rugged plastic transport case
- Operating instructions



RAUTOOL G2 Battery Hydraulic Tool Kits					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
212734-001	G2 50 to 63 mm	1	15.0	33.0	1 kit

The G2 tool uses a battery hydraulic pump, a 10-ft (3 m) hydraulic hose with quick-release fittings and an actuating head that is used for both expansion and compression steps.

Each G2 tool kit comes complete with the following:

- Battery pump AP-3 (Art. 212734-920)
- Li-ion battery 18 V/3 Ah
- Battery charger 120 V US/CA
- Hydraulic cylinder (Art. 137904-001) with hydraulic hose G2 (Art. 212734-900)
- Head assembly with 2 short + 2 long locking pins (Art. 137914-001)
- Pipe cutter for up to 63 mm (Art. 131558-001)
- Deburring tool (Art. 138990-001)
- Basic transport case (Art. 137724-001)
- Operating instructions
- SDR11 expansion head G 50 mm (Art. 137424)
- SDR11 expansion head G 63 mm (Art. 137434)
- Set of SDR11 clamping jaws G 50 mm (Art. 137624)
- Set of SDR11 clamping jaws G 63 mm (Art. 137634)

Accessory items sold separately:

- Set of 2 short + 2 long locking pins (Art. 137745-001)
- AP3 adapter to G1 hose (Art. 212734-910)
- SDR11 expansion head G 40 mm (Art. 138463)
- Set of SDR11 compression jaws G 40 mm (1 1/2 in.) (Art. 137964-002)
- G1/G2 Expansion kit 75 to 110 mm RAUTOOL G (Art. 137825-001)

**G1/G2 Expansion Kits**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
137825-001	G1/G2 75 to 110 mm Expansion Kit	1	30.5	67.0	1 kit

Use with the G1 or G2 tool (purchased separately) for assembling SDR11 compression-sleeve fittings in sizes 75 to 110 mm.

This expansion kit comes complete with the following:

- Pipe cutter for 50 to 125 mm (Art. 137394-001)
- Transport case extension (Art. 244561-001)
- SDR11 expansion head G 75 mm (Art. 137584)
- SDR11 expansion head G 90 mm (Art. 137604)
- SDR11 expansion head G 110 mm (Art. 137614)
- Set of SDR11 compression jaws G 75 mm (Art. 137644)
- Set of SDR11 compression jaws G 90 mm (Art. 137654)
- Set of SDR11 compression jaws G 110 mm (Art. 137664)

**RAUTOOL G2 125 to 160 mm Battery Hydraulic Tool Kits**

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
212744-001	G2 125 to 160 mm	1	52.7	116.0	1 kit
206259-001*	G1/G2 Expansion Kit 140 mm	1	23.6	52.0	1 kit

* This item is not stocked. Lead times may vary.

For assembling SDR11 compression-sleeve fittings in sizes 125 to 160 mm.

The G2 125 to 160 mm tool kit comes complete with the following:

- Battery pump AP-4 (Art. 212744-920)
- Li-ion battery 18 V/3 Ah
- Battery charger 120 VAC US/CA
- 2 hydraulic cylinders (Art. 137904-001) with hydraulic hose G2 125 to 160 mm (Art. 212744-900)
- Head assembly with 2 short locking pins (Art. 137914-001)
- 2 long locking pins (2X Art. 137745-001)
- Y-distributor with quick couplings G2 125 to 160 mm (Art. 212744-910)
- Pipe cutter for 110 to 160 mm (Art. 221016-001)
- Deburring tool (Art. 138990-001)
- Basic transport case (Art. 137724-001)
- Transport case extension (Art. 138015-001)
- Operating instructions
- SDR11 expansion head G 125 mm (Art. 138006-001)
- SDR11 expansion head G 160 mm
- Set of SDR11 compression jaws G 160 mm
- Set of reducers G 160/125 mm

Accessory item sold separately:

- Pipe lubricant (Art. 128953-003)
- G1/G2 140 mm Expansion Kit (Art. 206259-001)



Ratchet Cutters					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
315242-001	Ratchet Cutter for up to 40 mm RAUPEX	1	0.41	0.90	1
131558-001	Large Ratchet Cutter for up to 63 mm RAUPEX	1	1.09	2.41	1



Enclosed Feed Cutters					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
221016-001*	Pipe Cutter for 110 to 160 mm RAUPEX	1	0.91	2.0	1
137394-001*	Pipe Cutter for 50 to 125 mm RAUPEX	1	0.46	1.0	1

* This item is not stocked. Lead times may vary.



Sleeve Lubricants					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
128953-003	Compression Sleeve Lubricant	1	0.49	1.1	1 tube



INSULPEX Repair Tapes					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
241002	Linerless Rubber Tape, Black	1	0.26	0.6	1 roll

Waterproof, synthetic rubber adhesive tape can be used to repair the PE casing of INSULPEX pipe if it is damaged. Tape dimensions: 2 in. wide x 15 ft. long (50 mm x 4.57 m).

RAUGEO™ GROUND LOOP HEAT EXCHANGE

Product Catalog, 2018



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For updates to this publication and the most current technical instructions, safety information and manufacturer's recommendations, visit na.rehau.com/resourcecenter

1. RAUGEO GROUND LOOPS

RAUGEO PEXa pipes and compression-sleeve fittings are recognized by the International Ground Source Heat Pump Association's (IGSHPA) *Design and Installation Standards* guide as an accepted piping system for ground loop heat exchangers.

RAUGEO PEXa pipes are manufactured using REHAU's high-pressure peroxide method for crosslinked polyethylene (PEXa). RAUGEO PEXa pipe has a co-extruded grey PE UV shield that protects the pipe against ultraviolet light (sunlight) for an extended time. All RAUGEO PEXa pipe meets or exceeds the requirements of ASTM F876, F877, CSA B137.5 and PPI TR-3. RAUGEO PEXa pipe is manufactured by REHAU in a plant using a quality management system that is certified to ISO 9001.

RAUGEO ground loops are certified to CSA C448 and are recognized by the International Ground Source Heat Pump Association's (IGSHPA) *Design and Installation Standards* guide as an accepted piping system for ground loop heat exchangers.

RAUGEO PEXa pipe is compatible with RAUPEX compression nut fittings and fittings certified to ASTM F2080 and CSA B137.5.

See applicable REHAU technical documents for detailed temperature and pressure ratings.

1 in. RAUGEO U-bends

Each RAUGEO single U-bend comprises RAUGEO PEXa UV shield pipe with reinforced resin U-bend tip. Custom coil lengths are available upon request and with an extended lead time.



RAUGEO 1 in. Double U-bends

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
630366-224	RAUGEO Double U-bend PEXa 1 in. CTS 210 ft Coil (840 ft)	1	71.6	157.8	1
630366-924	RAUGEO Double U-bend PEXa 1 in. CTS 260 ft Coil (1,040 ft)	1	87.4	192.7	1
630366-324	RAUGEO Double U-bend PEXa 1 in. CTS 310 ft Coil (1,240 ft)	1	103.3	227.7	1
630366-374	RAUGEO Double U-bend PEXa 1 in. CTS 360 ft Coil (1,440 ft)	1	119.1	262.6	1

One RAUGEO double U-bend coil comes packaged as two single U-bend coils with attachment hardware.



RAUGEO 1 in. Single U-bends

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
630376-224*	RAUGEO Single U-bend PEXa 1 in. CTS 210 ft Coil (420 ft)	1	35.8	78.9	1
630376-924	RAUGEO Single U-bend PEXa 1 in. CTS 260 ft Coil (520 ft)	1	43.7	96.4	1
630376-324	RAUGEO Single U-bend PEXa 1 in. CTS 310 ft.Coil (620 ft)	1	51.6	113.8	1
630376-374	RAUGEO Single U-bend PEXa 1 in. CTS 360 ft.Coil (720 ft)	1	59.6	131.3	1

*This item is not stocked. Lead times may vary.

1 1/4 in. RAUGEO U-bends

Each 1 1/4 in. RAUGEO U-bend comprises RAUGEO PEXa UV shield pipe with a probe tip that is constructed of corrosion-resistant stainless steel tube and stainless steel ASTM F2080 fittings. The tip assembly is covered in a rubber dip coating to further protect it from corrosion. A heat shrink sleeve is also applied over the joint between the RAUGEO pipe and the tip.

Custom coils lengths are available upon request and with an extended lead time.



RAUGEO 1 1/4 in. Double U-bends					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
630386-364+	RAUGEO Double U-bend PEXa 1 1/4 in. CTS 360 ft Coil (1,440 ft)	1	159.9	352	1
630386-424+	RAUGEO Double U-bend PEXa 1 1/4 in. CTS 410 ft Coil (1,640 ft)	1	181.9	401	1
630386-464+	RAUGEO Double U-bend PEXa 1 1/4 in. CTS 460 ft.Coil (1,840 ft)	1	203.7	449	1
630386-524+	RAUGEO Double U-bend PEXa 1 1/4 in. CTS 510 ft.Coil (2,040 ft)	1	225.4	497	1
630386-624+	RAUGEO Double U-bend PEXa 1 1/4 in. CTS 610 ft Coil (2,440 ft)	1	284.8	628	1

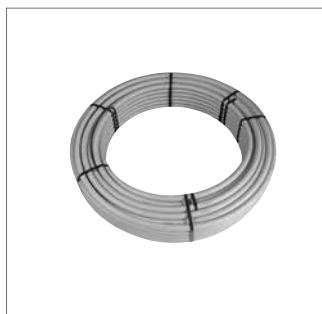
*This item is not stocked. Lead times may vary.

One RAUGEO double U-bend comes packaged as two single U-bend coils. The double U-bend is made by joining two (2) single U-bends with the provided 1/4 - 20 x 1 in. bolts and nuts through the joining bars.



RAUGEO 1 1/4 in. Single U-bends					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
630396-364+	RAUGEO Single U-bend PEXa 1 1/4 in. CTS 360 ft Coil (720 ft)	1	79.9	176	1
630396-424+	RAUGEO Single U-bend PEXa 1 1/4 in. CTS 410 ft Coil (820 ft)	1	95.3	210	1
630396-464+	RAUGEO Single U-bend PEXa 1 1/4 in. CTS 460 ft.Coil (920 ft)	1	101.6	224	1
630396-524+	RAUGEO Single U-bend PEXa 1 1/4 in. CTS 510 ft.Coil (1,020 ft)	1	112.5	248	1

*This item is not stocked. Lead times may vary.



RAUGEO Collect Pipe					
Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
235381-324	RAUGEO Collect 1 in. CTS (300 ft)	300 ft	23.7	52.2	1 coil
235381-524	RAUGEO Collect 1 in. CTS (500 ft)	500 ft	39.5	87.0	1 coil
235381-824	RAUGEO Collect 1 in. CTS (800 ft)	800 ft	63.2	139.2	1 coil
235391-524	RAUGEO Collect 1 1/4 in. CTS (500 ft)	500 ft	56.9	125.5	1 coil
235391-824	RAUGEO Collect 1 1/4 in. CTS (800 ft)	800 ft	87.8	193.69	1 coil

RAUGEO Collect is RAUGEO PEXa UV shield pipe for horizontal ground loops and system distribution piping.



RAUGEO U-bend Vertical Ground Loop Accessories

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
222858-001	RAUGEO U-bend 1 in. CTS Pipe Spacer	200	0.04	0.10	1 box
222859-001	RAUGEO U-bend 1 1/4 in. CTS Pipe Spacer	200	0.05	0.11	1 box



RAUGEO Collect Horizontal Ground Loop Accessories

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
236127	PE Protection Sleeve for 1 in. Pipe	50 ft/coil	1.70	3.60	1 coil
236137	PE Protection Sleeve for 1 1/4 in. Pipe	150 ft/coil	6.10	13.4	1 coil
266237	1 in. Polymer Support Bend	50 pcs/box	0.10	0.22	1 box
266727	1 1/4 in. Polymer Support Bend	50 pcs/box	0.20	0.44	1 box
253625	3/4 and 1 in. Heat Shrink – 3.3 ft (1 m)	35 pcs/bag	0.12	0.27	1 meter



RAUGEO Installation Accessories

Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
285561-001	Bulk Head Seal ID 0.75 to 1.1 in.	1	0.60	1.32	1
285571-001*	Bulk Head Seal ID 1.25 to 1.56 in.	1	0.59	1.29	1

* This item is not stocked. Lead times may vary.

Bulkhead seal provides a water resistant seal for pipe penetrations through foundation walls.

2. PRO-BALANCE 1 1/4 IN. MANIFOLDS



PRO-BALANCE 1 1/4 in. Brass Manifold With Gauges

Article No.	Stations	Manifold Length		Package Quantity	Unit Weight		Minimum Order
		mm	in		kg	lb	
281841-101	4	398	15.08	1	5.0	11.0	1
281851-101	5	453	17.06	1	5.4	12.0	1
281861-101	6	508	19.02	1	6.0	13.1	1
281871-101	7	563	20.99	1	6.5	14.2	1
281881-101	8	618	22.95	1	6.9	15.3	1

Delivered pre-assembled and ready to install. Use with 3/4 and 1 in. RAUPEX pipe. Order manifold-to-pipe connectors separately. For 3/4 in. pipe use R-20 fitting (Art. 267007-101). For 1 in. pipe use manifold adapter assembly (Art. 212104-001).

Each manifold comes complete with:

- Installation instructions
- 1 1/4 in. NPT supply and return manifold isolation ball valves with thermometer sockets and flat gaskets
- Two 1 1/4 in. BSPP brass end caps with gaskets
- Visual flow gauges (0 to 4 GPM) on supply side
- Circuit balancing/isolation valves on return side
- Mounting brackets
- Four drywall screws
- Vent key
- Manifold circuit chart

Notes:

- Mini thermometers (Art. 250218) sold separately
- Manifold lengths above include the isolation ball valve 3.86 in (98 mm)
- Maximum flow is 4.0 GPM (0.25 l/s) per circuit; 40 GPM (2.52 l/s) total
- Manifold not compatible with alcohol-based antifreezes
- Depth of manifold is 4.50 in (11.4 cm) with bracket, valve and mini thermometer installed
- Can be joined to other manifold sections using 1 1/4 in. BSPP unions (Art. 281971-001) or 1 1/4 in. BSPF x 1 1/4 in. BSPF x 1 1/4 in. BSPM union tee (Art. 250228-001)

Note: Not for use with alcohol-based glycols.

3. HKV 1 1/4 IN. MANIFOLDS



HKV 1 1/4 in. Brass Manifolds

Article No.	Stations	Manifold Length		Package Quantity	Unit Weight		Minimum Order
		mm	in		kg	lb	
215528-001	4	30.0	11.81	1	5.0	11.0	1
215529-001	6	41.0	16.14	1	5.4	13.1	1

HKV 1 1/4 in. manifolds are for use in distributing and regulating the volume of flow in geothermal applications. HKV manifolds may be used with a variety of system fluids including propylene glycol, ethylene-based glycols and alcohol-based glycols. Manifolds are equipped with supply/shutoff valves and circuit balancing isolation valves which allow individual complete circuit isolation.

Pre-assembled and factory pressure-tested, these manifolds are for use with 1 and 1 1/4 in. RAUGEO PEXa UV shield pipe using REHAU manifold connections (sold separately).

Each HKV 1 1/4 in. manifold comes complete with the following:

- Installation instructions
- 1 1/4 in. NPT supply and return manifold isolation ball valves with thermometer sockets and flat gaskets
- Two 1 1/4 in. BSPP brass end caps with gaskets
- Isolation valves on supply side
- Circuit balancing/isolation valves on return side
- Mounting brackets
- Four drywall screws
- Vent key
- Manifold circuit chart

Compatible with manifold valve actuator (Art. 260166). May be mounted in any orientation (e.g., inverted, horizontal). Mini thermometers (Art. 250218) are sold separately.

4. F2080 COMPRESSION-SLEEVE FITTINGS

F2080 compression-sleeve fittings and sleeves are designed specifically for use with RAUGEO PEXa pipe. Installation is performed with RAUTOOL PEX pipe installation tools. Follow all published REHAU *Technical Guidelines*. F2080 compression-sleeve fittings are not certified for potable water applications.



Compression Sleeves						
Article No.	Description	Package Box	Quantity Carton	Unit Weight		Minimum Order
				kg	lb	
260577-101	3/4 in. F2080 Sleeve	80	480	0.03	0.08	1 box
260877-101	1 in. F2080 Sleeve	40	240	0.07	0.16	1 box
235507-101	1 1/4 in. F2080 Sleeve	25	150	0.11	0.26	1 box

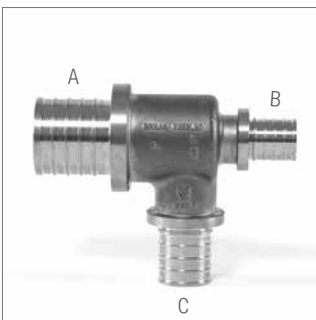
Sleeves are unplated brass. Tapered end installs toward fitting.



Couplings						
Article No.	Description	Package Box	Quantity Carton	Unit Weight		Minimum Order
				kg	lb	
260447-101	1 x 3/4 in. F2080 Reducer Coupling	25	150	0.11	0.25	1 box
260427-101	1 x 1 in. F2080 Coupling	20	120	0.14	0.30	1 box
235517-101	1 1/4 x 1 in. F2080 Reducer Coupling	10	60	0.20	0.43	1 box
235527-101	1 1/4 x 1 1/4 in. F2080 Coupling	5	30	0.23	0.50	1 box



Plugs						
Article No.	Description	Package Box	Quantity Carton	Unit Weight		Minimum Order
				kg	lb	
260497-101	1 in. F2080 Plug	30	180	0.09	0.20	1 box



F2080 Tees						
Article No.	Description (A x B x C)	Package Box	Quantity Carton	Unit Weight		Minimum Order
				kg	lb	
260977-101	1 x 1 x 1 in. F2080 Tee	8	48	0.35	0.77	1 box
235657-101	1 1/4 x 1 x 1 in. F2080 Tee	5	30	0.42	0.93	1 box
235607-101	1 1/4 x 1 1/4 x 1 1/4 in. F2080 Tee	5	30	0.51	1.12	1 box



Dual MPT Adapters						
Article No.	Description	Package Box	Quantity Carton	Unit Weight kg	Unit Weight lb	Minimum Order
260437-101	1 in. F2080 x 1 in. MPT or 3/4 in. C Female (Sweat)	15	90	0.19	0.43	1 box
730053-001	1 1/4 in. F2080 X 1 in. MPT or 3/4 in. C Female (Sweat)	5	30	0.19	0.41	1 box
235557-101	1 1/4 in. F2080 x 1 1/4 in. MPT or 1 in. C Female (Sweat)	5	30	0.33	0.73	1 box

Dual adapters connect RAUGEO PEXa pipe to either female threaded fittings or copper pipe. Make threaded or solder connections before connecting to RAUGEO PEXa pipe.



FPT Adapters						
Article No.	Description	Package Box	Quantity Carton	Unit Weight kg	Unit Weight lb	Minimum Order
260487-101	1 in. F2080 x 1 in. FPT Adapter	10	60	0.23	0.51	1 box

FPT adapters connect RAUGEO PEXa pipe to male threaded fittings. Make threaded connections before connecting to RAUGEO PEXa pipe.



Elbows						
Article No.	Description	Package Box	Quantity Carton	Unit Weight kg	Unit Weight lb	Minimum Order
260717-101	1 x 1 in. F2080 Elbow	10	60	0.25	0.56	1 box
235597-101	1 1/4 x 1 1/4 in. F2080 Elbow	8	48	0.37	0.82	1 box



RAUGEO Manifold Adapter Assemblies					
Article No.	Description	Package Quantity	Unit Weight kg	Unit Weight lb	Minimum Order
212104-001	1 in. x R-20 Manifold Adapter Assembly RAUGEO (Set)	1 set	0.36	0.80	1 set

The 1 in. x R-20 manifold adapter assembly will allow installers to connect 1 in. RAUGEO PEXa pipes to the PRO-BALANCE 1 1/4 in. manifold. Each assembly comes complete with the following articles, and will be partially pre-assembled with the 3/4 in. F2080 compression-sleeve joint already made:

- 2 x 267007-101: 3/4 in. R-20 adapter
- 2 x 260577-101: 3/4 in. F2080 compression sleeve
- 2 x 260877-101: 1 in. F2080 compression sleeve
- 2 x 260447-101: 1 x 3/4 in. F2080 reducer coupling
- 5 in. piece 3/4 in. RAUPEX white UV shield pipe

5. RAUTOOL PEX PIPE INSTALLATION TOOLS



F2080 Tool Kits 3/4 to 1 1/4 in.

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
281391-001*	F2080 Tool Kit 3/4 to 1 1/4 in.	1	7.8	17.2	1

* This item is not stocked. Lead times may vary.

The F2080 3/4 to 1 1/4 in. tool kit is designed for assembling 3/4 to 1 1/4 in. F2080 compression-sleeve fittings, covering all geothermal applications supported by the REHAU program.

The tool kit comes complete with the following:

- RAUPEX pipe expander RO (Art. 139592)
- F2080 expander heads RO: 3/4 in (Art. 261866), 1 in (Art. 261896) and 1 1/4 in. (Art. 235417)
- Grease and brush pack for expander maintenance
- VERSALOC® F2080 compression tool (Art. 243737)
- 4-in-1 VERSALOC F2080 jaws (set), 1 and 1 1/4 in. VERSALOC F2080 jaws (Art. 243767, 243787 and 243797)
- RAUCUTTER (Art. 137495)
- Ratchet cutter for up to 1 1/2 in. RAUPEX (Art. 315242-001)
- Tool box (Art. 261206)



VERSALOC Compression Tool

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
243737	VERSALOC F2080 Compression Tool	1	1.1	2.4	1

The VERSALOC compression tool compresses F2080 compression sleeves onto F2080 fittings up to 1 1/4 in. The VERSALOC compression tool is used with interchangeable VERSALOC jaws (jaws sold separately).



VERSALOC Compression Jaws

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
243767	4-in-1 VERSALOC F2080 Compression Jaws (Set)	1 set of 2	0.37	0.8	1 set
243787	1 in. VERSALOC F2080 Compression Jaws (Set)	1 set of 2	0.68	1.5	1 set
243797	1 1/4 in. VERSALOC F2080 Compression Jaws (Set)	1 set of 2	0.77	1.6	1 set

4-in-1 VERSALOC compression jaws are used with the VERSALOC compression tool to assemble F2080 joints in sizes 3/8, 1/2, 5/8 and 3/4 in. The lower groove works with 3/8 and 1/2 in., while the upper groove works with 5/8 and 3/4 in. The 4-in-1 jaws reduce switching of jaws for common fitting sizes.

Jaws are sold in sets; one set includes two jaws.



RAUPEX Pipe Expanders

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
139592	RAUPEX Pipe Expander RO	1	1.4	3.2	1

Expands RAUGEO PEXa pipe to assemble F2080 fittings. Includes grease and brush pack for expander tool maintenance. Expander heads sold separately.



Pipe Expander Heads

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
261886	F2080 Expander Head RO 3/4 in.	1	0.16	0.35	1
261896	F2080 Expander Head RO 1 in.	1	0.18	0.39	1
235417	F2080 Expander Head RO 1 1/4 in.	1	0.20	0.45	1

For use with RAUPEX pipe expander RO (Art. 139592).



RAUPEX Pipe Cutters

Article No.	Description	Package Quantity	Unit Weight		Minimum Order
			kg	lb	
137495	RAUCUTTER (for up to 1 in. RAUPEX)	1	0.17	0.38	1
315242-001	Ratchet Cutter (for up to 1 1/2 in. RAUPEX)	1	0.41	0.90	1

Sales Offices (Toll-free)

Canada Maritimes (800) 565-7342 · Québec (800) 361-0830 · Ontario (800) 561-9609 · Western Canada (800) 944-1011

United States Eastern US (800) 297-6371 · Western US (800) 944-1011

Mexico Northern Mexico (818) 121-0130 · Central and Southern Mexico (800) 917-3428

Central America Panama (507) 830-5257

Warranty

REHAU stands behind our products with a 25-year limited warranty on PEXa pipe and fittings. www.na.rehau.com/warranties

Return Policy

Each return will be reviewed individually. No material may be returned without our written permission and return authorization number. Only catalogued and resalable items may be returned. The minimum return value will be \$100. Product and packaging has to be in resalable condition, all products returned to the distribution center are subject to quality inspection. Materials have to be in original clean and closed packaging (where applicable), boxes must have original labels, customer label must be removed prior to return. Any material which is authorized to be returned will be subject to a minimum twenty-five (25) percent restocking fee.

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