

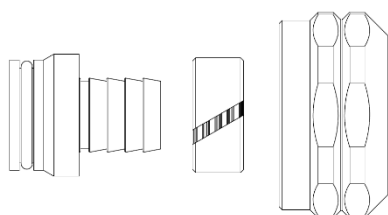
PRODUCT SUBMITTAL 361

Nickel Plated R-20 Connections for PRO-BALANCE® Manifolds

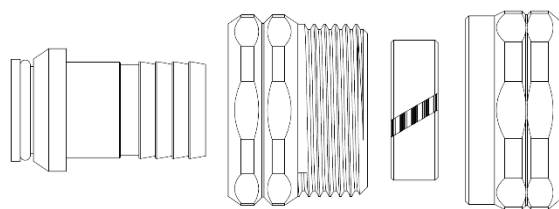


Product: Nickel Plated R-20 Connections for PRO-BALANCE® Manifolds

Date: 30 Oct 2025 (supersedes 8 Oct 2024)



(418315-002, 418317-002, 418318-002)



(418319-002)

Article No.	Nominal Connection Size
418315-002	3/8 in. RAUPEX x R-20, Nickel Plated Manifold Outlet
418317-002	1/2 in. RAUPEX x R-20, Nickel Plated Manifold Outlet
418318-002	5/8 in. RAUPEX x R-20, Nickel Plated Manifold Outlet
418319-002	3/4 in. RAUPEX x R-20, Nickel Plated Manifold Outlet

TECHNICAL DESCRIPTION

Specification	ASTM F877, CSA B137.5
Material	Forged brass, nickel plated
Certifications	ASTM F877, CSA B137.5

FUNCTIONAL DESCRIPTION

R-20 connections are for use with RAUPEX® crosslinked polyethylene (PEXa) pipes and PRO-BALANCE® manifolds, as well as with the manifold extension kit (Art. 250225-100) and flow-stop circuit valves (Art. 302047-001). These compression nut-type connections install without special tools.

- 3/8, 1/2 and 5/8 in. fittings include barbed insert with installed O-ring, split brass ring and compression nut
- 3/4 in. fittings include R-20 x G7/8 threaded bushing, 3/4 in. barbed insert with installed O-ring, split brass ring and compression nut

Follow the detailed installation instructions that are included with the manifolds and summarized here for the 3/8, 1/2, and 5/8 in. sizes:

1. After cutting the pipe square and clean, slide the compression nut then the split ring over the end of the pipe.
2. Insert the barbed insert into the pipe, being sure to insert the fitting completely.
3. Align the fitting with the manifold outlet and push the fitting into the manifold.
4. Hand-tighten the compression nut onto the manifold outlet until it stops turning.
5. While holding the hex end of the manifold outlet with an adjustable wrench, turn the compression nut no more than 1/2 turn after hand-tight. Do not overtighten, as this may destroy the O-ring or distort the split ring.

For detailed installation instructions for the 3/4 in. size scan the following QR code:



NOTICE: Do not overtighten, as this may destroy the O-ring or distort the split ring.

NOTICE: Do not use thread sealant tape or pipe dope on manifold outlets. These materials may prevent a proper seal, causing leaks.

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