

TECHNICAL BULLETIN TB275

R-20 Connection to PRO-BALANCE Manifolds



Product: 3/4 in. R-20 Connection to PRO-BALANCE Manifolds

Date: 11 January 2022

R-20 connections are for use with RAUPEX® crosslinked polyethylene (PEXa) pipes and PRO-BALANCE® manifolds. For a 3/4 in. R-20 connection, an R-20 x 1 in. NPS bushing is required as well as a 3/4 in. barbed insert with O-ring, split brass ring and compression nut.



NPS Bushing



Barbed insert with O-ring



Split ring



Compression nut

Follow the detailed installation instructions that are included with the manifolds and summarized here:

1. Cut RAUPEX pipe squarely using REHAU pipe cutter



2. Slide the compression nut and split ring over the end of the pipe.



3. Insert the 3/4 in. barbed insert into the pipe firmly; ensuring the fitting collar sits flush with the pipe.

4. Push the split ring up the pipe to meet the barbed insert collar.



NOTICE: Failure to position split ring firmly against barbed insert collar will not allow the compression nut to be threaded onto the bushing (step 6).

For updates to this publication, visit na.rehau.com/resourcecenter

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained therefrom. Before using, the user will determine suitability of the information for user's intended use and shall assume all risk and liability in connection therewith.

© 2022 REHAU

TECHNICAL BULLETIN TB275

R-20 Connection to PRO-BALANCE Manifolds

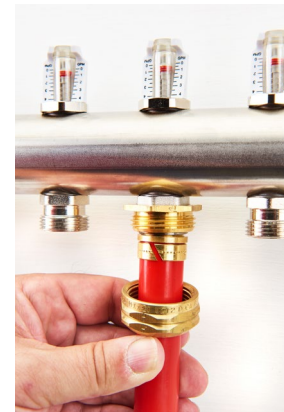


5. Thread the R-20 x 1 in. NPS bushing hand tight onto the PRO-BALANCE manifold outlet.



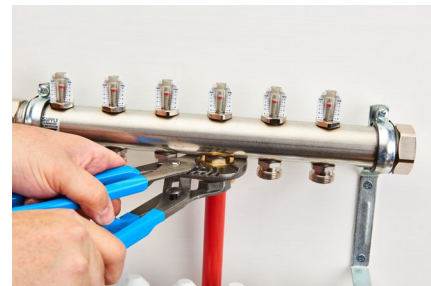
6. Insert the 3/4 in. barbed insert with installed O-ring into the bushing. Push firmly until fully inserted.
7. Slide the compression nut up the pipe and thread onto the bushing.

NOTICE: If the split ring was not positioned firmly against the barbed insert collar (step 3), the compression nut will not properly thread onto the bushing.



8. Use two wrenches to tighten. One to hold the bushing and the second to tighten the compression nut to 12 Nm or 9 lb. Ft. This is approximately 1/2 turn from hand tight.

NOTICE: Do not overtighten. Overtightening may distort the split ring or crack the manifold outlet, causing a leak.



For updates to this publication, visit na.rehau.com/resourcecenter

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained therefrom. Before using, the user will determine suitability of the information for user's intended use and shall assume all risk and liability in connection therewith.

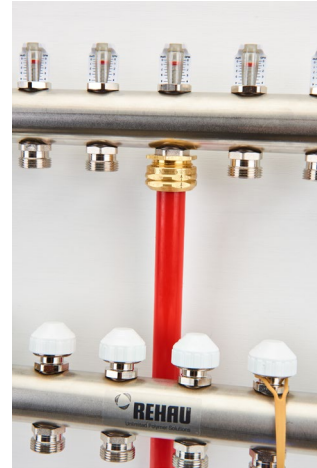
© 2022 REHAU

TECHNICAL BULLETIN TB275

R-20 Connection to PRO-BALANCE Manifolds



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



For updates to this publication, visit na.rehau.com/resourcecenter

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained therefrom. Before using, the user will determine suitability of the information for user's intended use and shall assume all risk and liability in connection therewith.

© 2022 REHAU