

MUNICIPEX[®] TO WATER METER

INSTRUCTIONS FOR CONNECTION USING ASTM F2080 COMPRESSION-SLEEVE FITTING TO WATER METER FOR 3/4 to 1 1/4 in. MUNICIPEX

Following are the suggested steps for connecting 3/4 to 1 1/4 in. MUNICIPEX pipe to the water meter using an ASTM F2080 compression-sleeve fitting.



1. Use an approved plastic pipe cutter to cut the MUNICIPEX to the desired length. A clean, square cut is required. Do not cut pipe with a saw blade or pocket knife as the rough edges will interfere with fitting connections.



2. Install the appropriate F2080 male adapter into the valve body using standard techniques for NPT tapered thread connections, including use of a thread sealant. Do not overtighten.



3. Thread the appropriate expander head clockwise onto the expander tool until it seats. The tool handles must be open to align the head.



4. Slide the F2080 compression sleeve over the pipe with the tapered end of the sleeve toward the end of the pipe as shown. Hold the sleeve at least 1 1/2 in (3.8 cm) from the end of the pipe during expansion.
5. Open the expander tool handles and fully insert the expander head into the pipe end. Expand the pipe fully and hold for 5 seconds, then release. Rotate the pipe or tool 15° and expand the pipe again for an additional 5 seconds to make it round.

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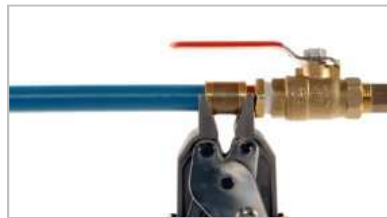
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6. Remove the expander tool and insert the F2080 fitting into the expanded pipe end. The pipe will stop above the last fitting rib.



7. Using the ratcheting compression tool, fully open and lock the jaws of the tool behind the fitting collar and the back of the sleeve. Ensure the parts are aligned to the tool.



8. Ratchet the tool handles to compress the sleeve onto the F2080 fitting until the sleeve is tight against the fitting collar. Stop when the sleeve is fully compressed against the fitting.

Typically a maximum gap of up to 0.030 in (0.75 mm) or the thickness of a credit card is acceptable.



9. Connect assembly to the water meter.



10. Two options are typically recommended by the fitting manufacturer for protecting buried fittings with MUNICIPEX pipe:

- Wrapping the buried fitting with waterproof non-adhesive tape, such as outdoor silicone tape.
- Sleeving the fitting in a heat shrink material without adhesive liner and with a low shrink temperature that shrinks without causing pipe damage.

Note: If the ASTM F2080 fittings manufacturer recommends wrapping for corrosion protection, do not use adhesive tapes on MUNICIPEX pipe. Certain adhesives may cause the pipe to fail prematurely, resulting in property damage and loss of water pressure.

The ASTM F2080 compression-sleeve fitting system, when used with MUNICIPEX pipe, is one of the most secure and tamper-resistant connections available on the market. When installed correctly, it provides municipalities and homeowners with a safe and reliable connection. ASTM F2080 fittings are also available in 1 1/2 and 2 in. sizes, assembled using different tools.

REHAU does not continually monitor or track product changes by third-party manufacturers. Any changes may affect product performance and compatibility with REHAU products. It is ultimately the responsibility of the product specifier and installer to confirm that these products are appropriately applied, installed and tested according to the fitting manufacturer's current installation instructions.