2. Measure 8" from end of the pipe, and using a sharp razor knife, slice through the jacket around the circumference and remove. It may be necessary to continue by cutting the jacket from the circumference to the rough end of the pipe as shown in **Figure 4-30.**

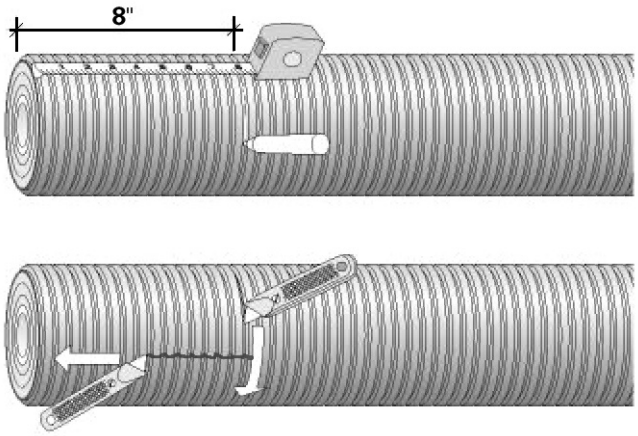

Figure 4-30: Measure and cut outer jacket

3. Pull jacket apart and remove to expose the insulation layers.

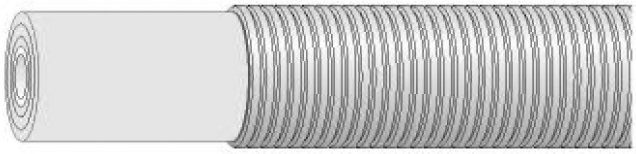

Figure 4-31: Remove jacket

4. Using a sharp razor knife carefully cut away insulation layers.

Caution: Avoid cutting or scratching the service pipe.

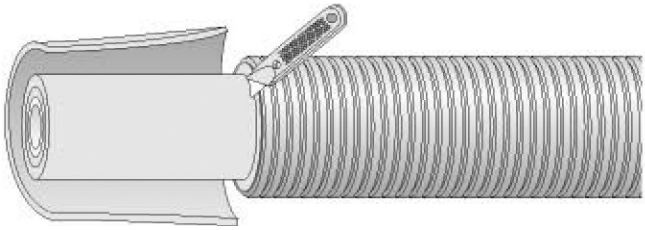

Figure 4-32: Remove insulation

5. Using a clean rag, remove all dirt and debris from the service pipe.

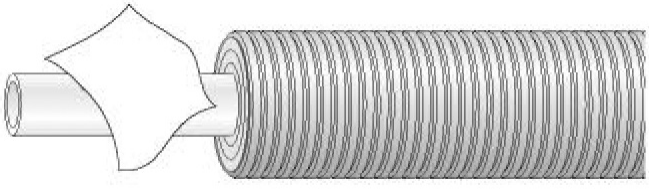

Figure 4-33: Clean the service pipe

Rubber End Caps

Uponor Pre-insulated Pipe Systems feature EPDM Rubber End Caps. EPDM Rubber End Caps seal the exposed insulation between the jacket and service pipe when cut to make a connection.

Designed for maximum flexibility and durability, this end cap includes an EPDM o-ring and stainless steel clamp for a watertight connection. End caps are required at all ends of the piping system, above or below grade, to ensure insulation integrity in the Pre-insulated Pipe system.

Tools Required

- Sharp scissors
- Pipe lubricant (soap)
- Screwdriver
- Clean rag

Installation

1. Prepare pipe end.
   a. Inspect starting pipe end before final cutting.
   b. Remove the protective pipe cover to ensure adequate service pipe length and desired size.

   Note: Uponor recommends at least 24" of extra pipe on each end.

   c. Cut the pipe using a handsaw or similar tool, allowing two extra feet at each end.
   d. Measure 8" from the end and cut the outer jacket.
   e. Remove the jacket.
   f. Remove the insulation carefully, using a sharp razor knife.

Note: If an insulation kit is required, refer to the instructions included with the insulation kit and disregard the following steps.

2. Wipe all dirt and debris from service pipe and jacket with a clean rag.
3. Verify the service pipe size and cut off the unneeded portion of the Rubber End Cap with sharp scissors. Refer to the figure and table on the following page to identify where to make the cut.

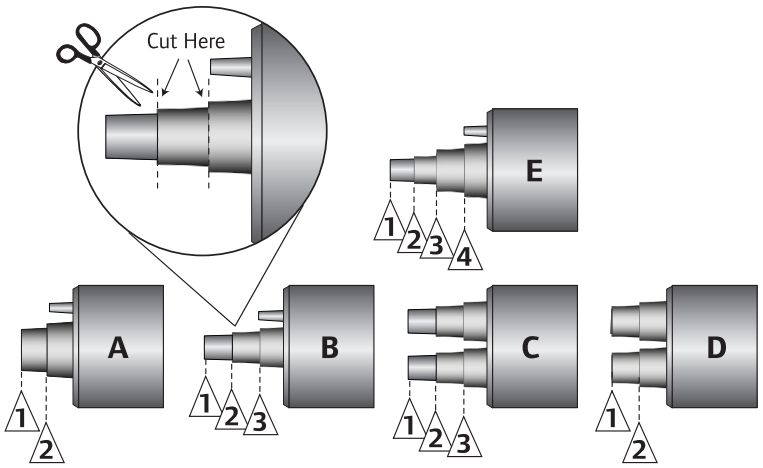

Figure 4-34: Rubber End Cap cut locations

Rubber End Cap Cut Locations						
Part Number	**Description**	**Service Pipe**	**Jacket Diameter**	**End Cap Part Number**	**End Cap Style**	**Cut Location**
5012775	Thermal Single	¾	2.7	5852710	A	1
5012710	Thermal Single	1	2.7	5852710	A	2
5015510	Thermal Single	1	5.5	5855513	A	1
5015513	Thermal Single	1¼	5.5	5855513	A	2
5016915	Thermal Single	1½	6.9	5856930	E	1
5016920	Thermal Single	2	6.9	5856930	E	2
5016925	Thermal Single	2½	6.9	5856930	E	3
5017930	Thermal Single	3	7.9	5857940	E	1
5017940	Thermal Single	4	7.9	5857940	E	3
5026910	Thermal Twin	1	6.9	5956915	C	1
5025513	Thermal Twin Jr.	1	5.5	5955513	C	2
5026913	Thermal Twin	1¼	6.9	5956915	C	2
5026915	Thermal Twin	1½	6.9	5956915	C	3
5027920	Thermal Twin	2	7.9	5957925	D	1
5027925	Thermal Twin	2½	7.9	5957925	D	2
5212775	Potable PEX	¾	2.7	5852710	A	1
5212710	Potable PEX	1	2.7	5852710	A	2
5215510	Potable PEX	1	5.5	5855513	A	1
5215513	Potable PEX	1¼	5.5	5855513	A	2
54555513	Potable PEX Plus	1¼	5.5	5855513	A	2
5216915	Potable PEX	1½	6.9	5856930	E	1
5216920	Potable PEX	2	6.9	5856930	E	2
5217930	Potable PEX	3	7.9	5857940	E	1
5226910	Potable PEX Twin	1	6.9	5956915	C	1
5226913	Potable PEX Twin	1¼	6.9	5956915	C	2
5226915	Potable PEX Twin	1½	6.9	5956915	C	3
5227920	Potable PEX Twin	2	7.9	5957925	D	1

Table 4-1: Rubber End Cap cut locations

4. Lubricate the service pipe and jacket with soap or similar material. Lubricate the inside of the end cap.

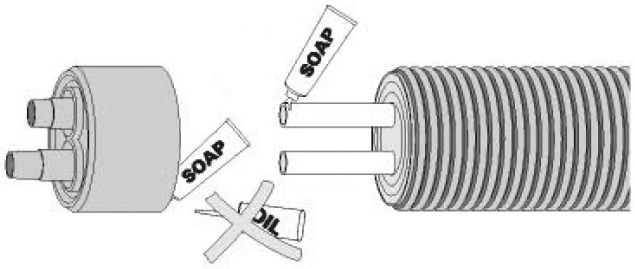

Figure 4-35: Lubricate pipe

Caution: Do not use oil-based lubricants.

5. Pull the Rubber End Cap over the service pipe and jacket until the end cap base is flush with the end of the jacket material.

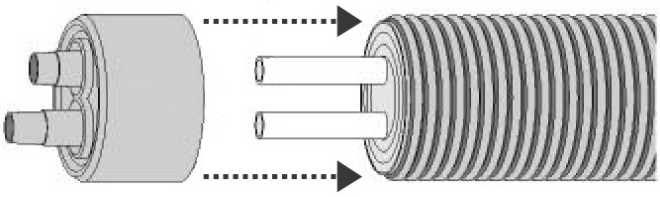

Figure 4-36: Install End Cap

6. From the end of the jacket, install the EPDM o-ring in the second groove just past the second full

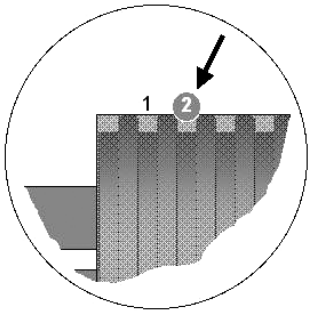

Figure 4-37: Install O-ring

7. Install the stainless steel strap over the center of the EPDM o-ring, and tighten using screwdriver until stainless steel shields butt together.

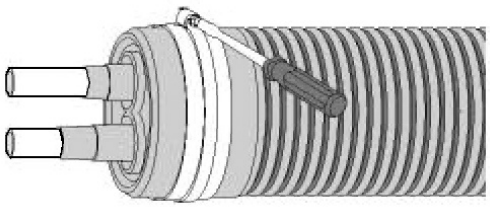

Figure 4-38: Install steel strap

WIPEX Fittings

Uponor WIPEX compression fittings are manufactured from dezincification-resistant brass and are designed for use with 4" Wirsbo hePEX pipe. The unique design of the WIPEX fitting features an eccentric outer sleeve for easier grip and an even force when inserting the pipe. The inner sleeve features a threaded profile and includes an o-ring to ensure a secure, tight seal (see **Figure 4-39**). The maximum operating pressure and temperature for WIPEX fittings is 200°F (93°C) at 80 psi (5.5 bar).

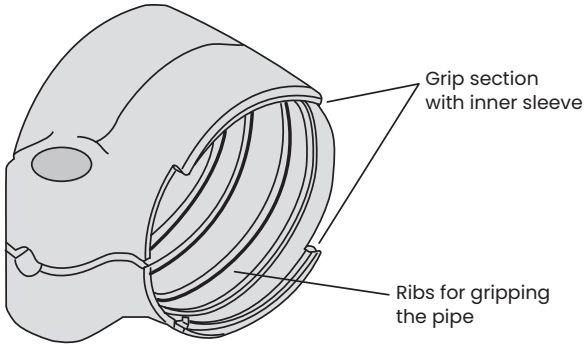

Figure 4-39: Eccentric design of the WIPEX fitting

Check the contents of this package. For damaged or missing contents, please contact your Uponor sales representative or distributor for assistance.

Package includes:

- WIPEX fitting(s)
- O-rings
- Bolts, washers and nuts
- WIPEX Fittings Instruction Sheet

Tools and Parts Required

- Plastic pipe cutter
- Low-friction lubrication (MoS2)
- De-burring tool or knife
- FD 2 – 24mm wrench