

Regulator Retrofit Solution

Extended Tailpiece for Retrofit Applications
(3/4" & 1")

LEAD-FREE*



*This product contains a weighted average lead content less than 0.25% for wetted surfaces.

Installation

APPLICATION

The Zurn Wilkins Regulator Retrofit Solution is an extended tailpiece option used with the Model NR3XL regulator. The extended lay length of the retrofit tailpiece allows the NR3XL to replace any regulator without re-piping. Two retrofit tailpiece options are available, including a slip push fitting union connection (PFR) for copper, PEX, or CPVC tubing and an extended female copper sweat union connection (CR).

INSTALLATION INSTRUCTIONS

- Before making a cut, complete a fit check by measuring from the outlet of the existing valve to the nearest fitting (dimension REF). The distance must be greater than dimension A (Table 1) for a proper fit. (**Note:** The "CR" tailpiece may be cut to fit if needed.) (**Caution:** Reference dimensions apply exclusively to the Model NR3XL and do not include an outlet union connection.)
- Mark the cut location on the inlet pipe using dimension B as a reference. The cut must be made in the "cut zone" as shown.
- Cut the inlet pipe.
- Break the inlet union connection and remove the old tailpiece, union nut, and gasket.
- Remove the old regulator and clean the threads of the remaining male NPT connection.
- Thoroughly clean and deburr the entire length of inlet pipe of all scale, debris, and solder. (**Caution:** This step is critical so the tailpiece can slide easily during installation. Failure to properly clean the inlet pipe will damage the retrofit tailpiece.)
- Using dimension C, mark the minimum insertion depth on the inlet pipe.
- Slide the tailpiece with union nut onto the inlet pipe past the insertion mark to allow room for the NR3XL to be installed. (**PFR Note:** Insert tube stiffener into inlet tube for PEX. For copper or CPVC, remove tube stiffener.) (**CR Note:** If needed, cut tailpiece to length by holding the fully assembled NR3XLCR next to piping at its installed position and use the depth mark from step 7 as a guide to mark the copper tailpiece. Cut and deburr. Apply flux to inlet pipe and tailpiece.)
- Apply PTFE tape to the male NPT connection and install the NR3XL. Tighten valve to desired orientation.
- Slide the tailpiece toward the NR3XL with the union gasket in place to locate the final position. (**PFR Note:** Use the included push fit tool to snap onto the inlet pipe and press against the collet of the PFR tailpiece as you pull it to the NR3XL.) (**CR Note:** Before soldering, remove union gasket and begin to thread the union nut onto the NR3XL to hold it away from soldering area.)
- Thread the union nut onto the inlet of the NR3XL and tighten union connection. (**PFR Note:** Continue to depress the collet with push fit tool while tightening the union nut so the tailpiece continues to slide.) (**CR Note:** Solder tailpiece into place. Replace the union gasket and tighten the union nut.)
- Check the inlet pipe for the insertion mark made in step 7. If the mark is not visible, the tailpiece is properly engaged.
- Installation is now complete. (**PFR Note:** Use the integral wrench of the push fit tool to adjust the NR3XL setting if needed.)

REGULATOR RETROFIT SOLUTION
(MODEL NR3XLPFR SHOWN)

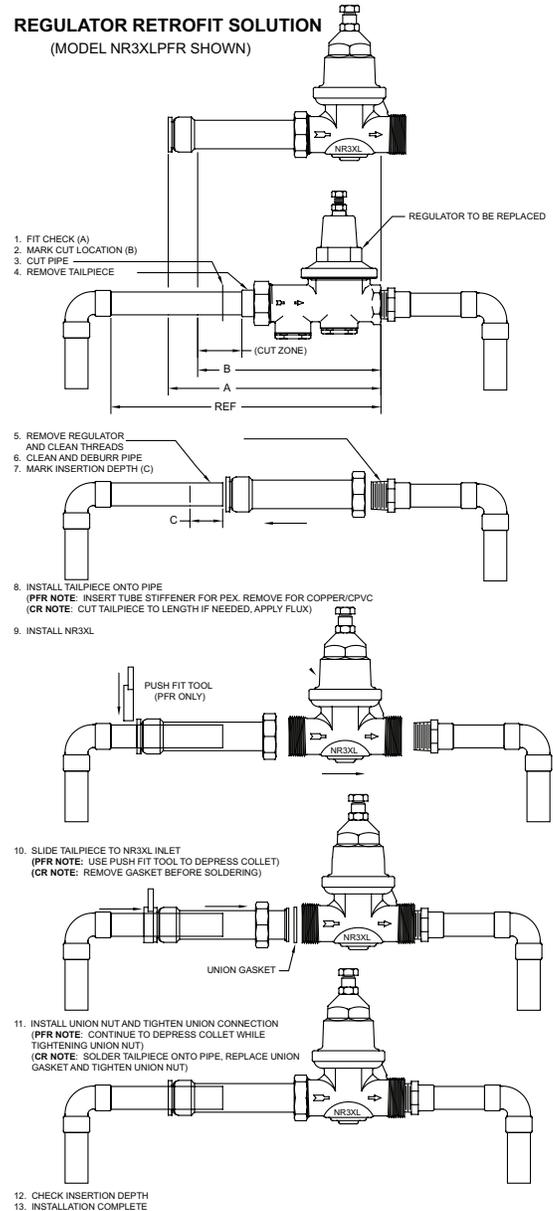


TABLE 1 - NR3XL REFERENCE DIMENSIONS								
SIZE		CONNECTION OPTION	DIMENSIONS (approximate)					
CTS			A		B		C	
in.	mm		in.	mm	in.	mm	in.	mm
3/4	20	CR	8 1/4	209	7 1/2	191	3/4	20
3/4	20	PFR	8 5/8	220	7 1/2	191	1 1/8	29
1	25	CR	9 7/16	240	8 1/2	216	15/16	24
1	25	PFR	9 11/16	246	8 1/2	216	1 3/16	31

WARRANTY: ZURN WILKINS Valves are guaranteed against defects of material or workmanship when used for the services recommended. If in any recommended service, a defect develops due to material or workmanship, and the device is returned, freight prepaid, to ZURN WILKINS within 12 months from date of purchase, it will be repaired or replaced free of charge. ZURN WILKINS' liability shall be limited to our agreement to repair or replace the valve only.

Proposition 65 Warning This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.



1747 Commerce Way, Paso Robles, CA 93446 Phone: 855-663-9876 Fax: 805-238-5766

ZURN WILKINS

www.zurn.com