

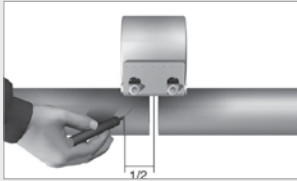
# AquaRise® Maintenance Couplings Installation Instructions

## INSTALLATION INSTRUCTIONS

### STEP 1: Prepare AquaRise® Pipe

- Cut pipes squarely
- Remove all sharp edges and burrs on the inner and outer edges of the pipe end with sandpaper
- Clean the pipe surface of all impurities and dirt
- Pipe ends must be clean and free of dirt to ensure a proper seal

### STEP 2: Properly Fit the Coupling



- Ensure proper gap between pipe ends. See chart for details

Pipe	Pipe Gap	
1/2" – 2"	5mm	0.2"
> 2"	10mm	0.4"

- Centre coupling over the gap between pipe ends
- Mark each pipe end to indicate the outer edge of the coupling

### STEP 3: Install the Coupling

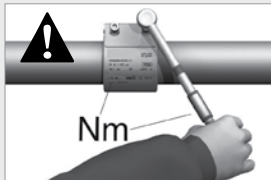
- Fit the coupling over the pipe ends
- Ensure coupling is aligned with marks on pipe ends

### STEP 4: Tighten Locking Bolts

- Tighten locking bolts lightly and alternately with a torque wrench
- Ensure torque wrench is set to the proper torque level
- Do not rotate coupling on the pipe joint once teeth are engaged



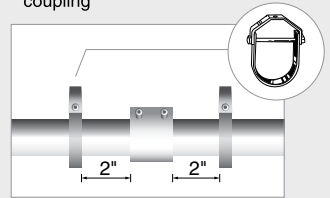
- Tighten locking bolts with a torque wrench to the final prescribed torque shown on the coupling label



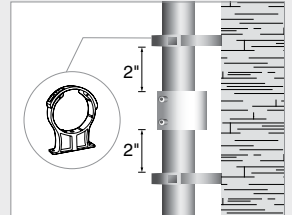
- Ensure the prescribed bolt torque is achieved
- Never exceed the prescribed bolt torque

### STEP 5: Support Couplings

- Always maintain straight alignment of pipes and coupling
- For horizontal installations install recommended pipe supports 2" (50mm) beyond each side of coupling



- For vertical installations install recommended guides 2" (50mm) above and below coupling

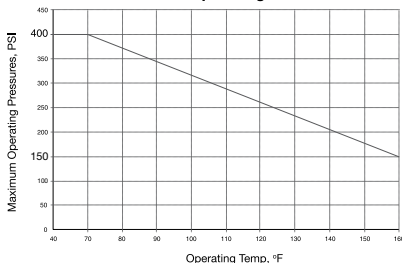


## MAXIMUM WORKING PRESSURE

400psi at 73°F (2,758kPa at 23°C)

150psi at 160°F (1,034kPa at 71°C)

Maximum Operating Pressures



## CAUTION

Always operate within the allowable pressures and temperatures shown in this chart

Pressure surges must not exceed Maximum Working Pressure

## SEALING SLEEVE

Teflon Coated EPDM

## REQUIRED MAINTENANCE

AquaRise maintenance couplings are maintenance-free.  
Never retighten bolts.



## OPERATING LIMITATIONS

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- For use on AquaRise pipe to pipe connections only
- Always operate within the allowable pressures and temperatures
- Coupling not intended to account for misalignment or change in direction
- Eliminate thrust forces through proper design and installation of AquaRise systems. See AquaRise installation instructions

## FAILURE PREVENTION

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- Follow all installation instructions provided with couplings
- Couplings must be torqued to the specified values as printed on each coupling
- Failure to follow all instructions can result in leakage, property damage, injury or death

## TROUBLE SHOOTING

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- In case of leakage, disassemble coupling according to instructions
- Follow all Safety Measures for removing coupling



## SAFETY MEASURES BEFORE REMOVING COUPLING

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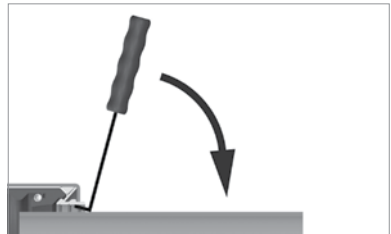
- Ensure system is not pressurized
- Drain piping system
- Protect yourself and surroundings against spilling water
- Make sure pipe joint is not supporting pipe ends

## DISASSEMBLY

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- Loosen bolts alternately but do not remove completely
- Do not rotate pipe joint on pipe as long as teeth are engaged
- If necessary, loosen teeth engagement.

Insert tool underneath casing and lift.



## CAUTION: DO NOT harm rubber sealing surface

- Turn and move coupling smoothly
- Slide coupling beyond pipe joint
- Check rubber seal for any signs of damage
- Replace damaged coupling with a new coupling
- Clean pipe joint
- Reassemble according to instructions

## WARRANTY

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### LIMITED WARRANTY AND LIABILITY:

See [www.ipexaquarise.com](http://www.ipexaquarise.com) for more details and limitations.