

Alkhorayef
Irrigation Solutions

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PER-ENG-18

PERMAPIPE™



Pierce

What is Permapipe™?

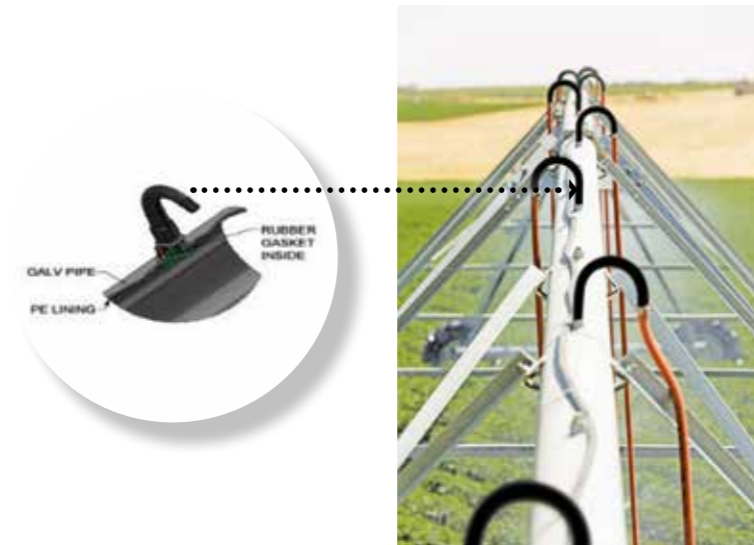
Permapipe spans provide the solution for corrosion problems in pivot pipes caused by low quality water by lining the internal surface of the galvanized pipes with a high-density polyethylene (HDPE).



Pipe lined with HDPE does not require gaskets between flanged pipes because of the unique mold-a-flange technology, which makes sealing an integral part of the liner material.

New!!

The 3/4" bulkhead outlets of lined system are made of special high-strength polymer where the U-pipe for the sprinkler drop is attached.



Optional stainless-steel pivot point if required.

Applications

Pivot or Linear irrigation with corrosive water due to high salt content and extreme pH.

Available for all Pierce models, new and old, from 6" 5/8 diameter and bigger.

Coating option recommended according to water quality:

Water Quality			
		GALVANIZED	PERMAPIPE
pH	6,5 < pH < 12	✓	
	pH < 6.5 ; pH > 12		✓
Salts	Cl ⁻ x 0,003 + SO ₄ ²⁻ x 0,004		
	< 300	✓	
	> 300		✓



Index of corrosion probability (UNE-EN 12.502-3 standard) in fresh water due to different salts and sulfates.

$$B = \frac{[Cl^-] + [NO_3^-] + 2[SO_4^{2-}]}{[HCO_3^-]}$$

B < 0,5

unlikely corrosion

B > 3

likely corrosion

Extended Guarantee !!

Pierce offers a 10 year warranty with full pipe replacement, not including freight, labor or hardware.

For more information contact info.us@piercec Corporation.com