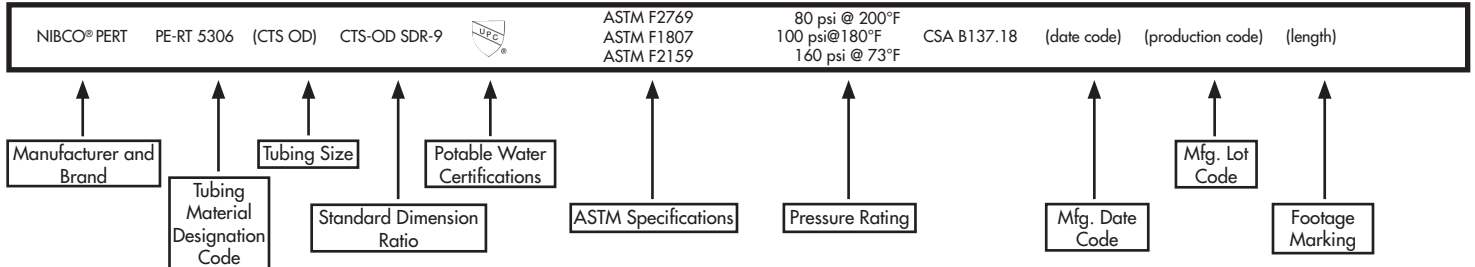


Project Name: \_\_\_\_\_  
 NIBCO Representative: \_\_\_\_\_  
 Unit Tag #: \_\_\_\_\_ Order by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Engineer: \_\_\_\_\_ Submitted by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Contractor: \_\_\_\_\_ Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



### ENGINEERING SPECIFICATION

Tubing shall be made of raised temperature polyethylene, produced using performance specifications of ASTM F2769 and CSA B137.18. Tubing shall also comply with NSF 61 and 14 as suitable for use with potable water and radiant floor applications where an oxygen barrier is not required. Temperature and pressure ratings shall be 160 PSI at 73°F, 100 PSI at 180°F and 80 PSI at 200°F. Temperature and pressure rating for chlorinated water shall be 80 PSI at 140°F. Tubing shall have UV stabilization additives to protect it from UV exposure. *Specify NIBCO® PE-RT tubing and fittings.*



### PRODUCT DESCRIPTION

NIBCO® PERT<sup>pro</sup>™ tubing is a raised temperature polyethylene used for potable water applications. Available in copper tube sizes from 1/4" to 1 1/4".

### NIBCO® PERT<sup>pro</sup>™ BENEFITS

- NIBCO PE-RT meets ASTM test criteria for up to 6 months Arizona UV exposure \*\*
- NIBCO PE-RT tubing can be easily straightened after removal from the coil.
- NIBCO PE-RT tubing is dimensionally stable. Crimp devices stay in position on NIBCO PE-RT tubing.
- NIBCO PE-RT tubing is chlorine-resistant.
- NIBCO PE-RT tubing contains no toxic chemicals.
- NIBCO PE-RT tubing is opaque in color.
- NIBCO PE-RT tubing is available in red, white, and blue colors.

### MANIFOLDS

Homerun and modified home run systems can be employed with NIBCO Manifolds and multi-port tees.

- Both flow-through and closed-end designs
- Poly-alloy material
- Available with or without mini-ball valves

### NIBCO PE-RT ACCESSORIES

Risers, Lead-Free\* Brass Insert Fittings and PPSU Poly Fittings

### CONNECTIONS

The NIBCO PE-RT system offers three connection types.



### PRODUCT DIMENSIONS

Size	NIBCO PE-RT Figure Number	Description	I.D. <sup>†</sup>	O.D. <sup>†</sup>	Coil/Stick Lengths	Volume gal. Per 100'
1/4"	PT80	1/4" Coil White Tubing	0.251	0.375	100	0.21
3/8"	PT80	3/8" Coil White Tubing	0.360	0.500	100	0.50
1/2"	PT60, PT80, PT70	1/2" Coils and Sticks - Red, White, and Blue Tubing	0.485	0.625	20, 100, 250, 500	0.92
3/4"	PT60, PT80, PT70	3/4" Coils and Sticks - Red, White, and Blue Tubing	0.681	0.875	20, 100, 250, 500	1.84
1"	PT60, PT80, PT70	1" Coils and Sticks - Red, White, and Blue Tubing	0.845	1.125	20, 100, 250, 500	3.03
1 1/4"	PT80	1 1/4" Coil and Stick White Tubing	1.069	1.375	20, 100	4.52

### OPERATING TEMPERATURE AND PRESSURE

The NIBCO® PERT<sup>pro</sup>™ system has a pressure rating of 160 psi at 73°F, 100 psi at 180°F, 80 psi at 200°F and 80 psi at 140°F for chlorinated water.

\* Weighted average lead content ≤0.25%

\*\* Keep PE-RT in its original packaging until installation and do not use or store outdoors

† See F4769 for dimensional tolerances