

# Wirsbo hePEX coils

## Project Information

|                                |                 |
|--------------------------------|-----------------|
| Job name:                      | Location:       |
| Engineer:                      | Date submitted: |
| Contractor:                    | Submitted by:   |
| Manufacturer's representative: | Approved by:    |

## Technical data

|                         |  |
|-------------------------|--|
| Material                | PEX  |
| Temp/pressure ratings   | 73 °F (23 °C) at 160 psi (11 bar)<br>180 °F (82 °C) at 100 psi (6.9 bar)<br>200 °F (93 °C) at 80 psi (5.5 bar) |
| Prop 65 label required? | No   |

## Product information and application use

Wirsbo hePEX™ tubing is used for closed-loop heating and cooling applications, including radiant and hydronic distribution. It has an EVOH oxygen diffusion barrier that meets German DIN 4726/9.

Note: Temperature and pressure ratings stated are hydrostatic ratings. For domestic hot-water (DHW) and DHW recirculation installations, operating conditions should not exceed 140°F (60°C) at 80 psi (5.5 bar) in accordance with ASTM F2023. For additional information regarding application-specific temperature and pressure ratings, refer to the Uponor PEX Piping Systems Design and Installation Manual.



| Part name                          | Part no. | Inner diameter coil [mm] | Outer diameter coil [mm] | Inner diameter pipe [mm] | Outer diameter pipe [mm] | Weight per UOM [kg/UOM] |
|------------------------------------|----------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|
| 5/16" Wirsbo hePEX, 100-ft. coil   | A1140313 | 266.7                    | 419.1                    | 7.41                     | 10.92                    | 1.361                   |
| 5/16" Wirsbo hePEX, 250-ft. coil   | A1180313 | 266.7                    | 622.3                    | 7.41                     | 10.92                    | 3.397                   |
| 5/16" Wirsbo hePEX, 1,000-ft. coil | A1220313 | 400.05                   | 812.8                    | 7.41                     | 10.92                    | 13.599                  |
| 3/8" Wirsbo hePEX, 100-ft. coil    | A1140375 | 400.05                   | 419.1                    | 8.89                     | 12.7                     | 1.901                   |
| 3/8" Wirsbo hePEX, 400-ft. coil    | A1210375 | 400.05                   | 812.8                    | 8.89                     | 12.7                     | 7.602                   |
| 1/2" Wirsbo hePEX, 100-ft. coil    | A1140500 | 400.05                   | 596.9                    | 12.07                    | 15.88                    | 2.404                   |
| 1/2" Wirsbo hePEX, 300-ft. coil    | A1250500 | 500.38                   | 812.8                    | 12.07                    | 15.88                    | 10.337                  |
| 1/2" Wirsbo hePEX, 500-ft. coil    | A1260500 | 400.05                   | 812.8                    | 12.07                    | 15.88                    | 12.011                  |
| 1/2" Wirsbo hePEX, 1,000-ft. coil  | A1220500 | 400.05                   | 812.8                    | 12.07                    | 15.88                    | 24.023                  |
| 5/8" Wirsbo hePEX, 100-ft. coil    | A1140625 | 400.05                   | 609.6                    | 14.58                    | 19.05                    | 3.447                   |
| 5/8" Wirsbo hePEX, 300-ft. coil    | A1250625 | 400.05                   | 812.8                    | 14.58                    | 19.05                    | 13.64                   |
| 5/8" Wirsbo hePEX, 400-ft. coil    | A1210625 | 400.05                   | 812.8                    | 14.58                    | 19.05                    | 13.785                  |
| 5/8" Wirsbo hePEX, 1,000-ft. coil  | A1220625 | 400.05                   | 812.8                    | 14.58                    | 19.05                    | 34.464                  |
| 3/4" Wirsbo hePEX, 100-ft. coil    | A1140750 | 400.05                   | 812.8                    | 17.04                    | 22.22                    | 4.545                   |
| 3/4" Wirsbo hePEX, 300-ft. coil    | A1250750 | 558.8                    | 812.8                    | 17.04                    | 22.22                    | 23.265                  |
| 3/4" Wirsbo hePEX, 500-ft. coil    | A1240750 | 400.05                   | 812.8                    | 17.04                    | 22.22                    | 38.774                  |
| 3/4" Wirsbo hePEX, 1,000-ft. coil  | A1220750 | 400.05                   | 812.8                    | 17.04                    | 22.22                    | 45.46                   |
| 1" Wirsbo hePEX, 100-ft. coil      | A1141000 | 576.58                   | 812.8                    | 21.9                     | 28.58                    | 7.757                   |
| 1" Wirsbo hePEX, 300-ft. coil      | A1251000 | 576.58                   | 812.8                    | 21.9                     | 28.58                    | 32.791                  |
| 1" Wirsbo hePEX, 500-ft. coil      | A1241000 | 576.58                   | 1016                     | 21.9                     | 28.58                    | 7.208                   |
| 1 1/4" Wirsbo hePEX, 100-ft. coil  | A1141250 | 685.8                    | 1143                     | 26.77                    | 34.92                    | 10.932                  |
| 1 1/4" Wirsbo hePEX, 300-ft. coil  | A1251250 | 576.58                   | 1016                     | 26.77                    | 34.92                    | 47.533                  |
| 1 1/2" Wirsbo hePEX, 100-ft. coil  | A1141500 | 685.8                    | 1143                     | 31.6                     | 41.28                    | 15.844                  |
| 1 1/2" Wirsbo hePEX, 300-ft. coil  | A1251500 | 685.8                    | 1143                     | 31.6                     | 41.28                    | 81.779                  |
| 2" Wirsbo hePEX, 100-ft. coil      | A1142000 | 685.8                    | 1117.6                   | 41.38                    | 53.98                    | 27.261                  |
| 2" Wirsbo hePEX, 300-ft. coil      | A1252000 | 685.8                    | 1295.4                   | 41.38                    | 53.98                    | 125.447                 |
| 2 1/2" Wirsbo hePEX, 300-ft. coil  | A1252500 | 1587.5                   | 2032                     | 51.08                    | 66.68                    | 176.486                 |

|                                   |          |        |        |      |        |         |
|-----------------------------------|----------|--------|--------|------|--------|---------|
| 4" Wirsbo hePEX, 100-ft. coil     | A1144000 | 1600.2 | 2184.4 | 80.5 | 104.78 | 102.119 |
| 3/8" Wirsbo hePEX, 1,000-ft. coil | A1220375 | 400.05 | 812.8  | 8.89 | 12.7   | 19.01   |

| Part name          | Part no. | Codes   | Standards  | Listings  |
|--------------------|----------|---|--|---|
| Wirsbo hePEX coils | All      | IMC UPC IBC IRC NBC of Canada IPC UFGS NPC of Canada UMC NSPC | ASTM F1960 ASTM E119 UL 263 ASTM F876 ASTM E84 ASTM F2023 ASTM E814 ULC S115 ASTM F877 CSA B137.5 ULC S102.2 CSA B214 ULC S101 | IAPMO-ES ICC-ES-PMG cNSFusrfh cNSFus-pw CCMC PPI TR-4 CSA UL U.P.Code cQAIus P321 |

In addition, the following parts have additional codes, standards, or listings:

|                                    |          |  |                             |  |
|------------------------------------|----------|--|-----------------------------|--|
| 5/16" Wirsbo hePEX, 100-ft. coil   | A1140313 |  | NSF-61 NSF-14               |  |
| 5/16" Wirsbo hePEX, 250-ft. coil   | A1180313 |  | NSF-61 NSF-14               |  |
| 5/16" Wirsbo hePEX, 1,000-ft. coil | A1220313 |  | NSF-61 NSF-14               |  |
| 3/8" Wirsbo hePEX, 100-ft. coil    | A1140375 |  | NSF-61 NSF-14               |  |
| 3/8" Wirsbo hePEX, 400-ft. coil    | A1210375 |  | NSF-61 NSF-14               |  |
| 1/2" Wirsbo hePEX, 100-ft. coil    | A1140500 |  | NSF-61 NSF-14               |  |
| 1/2" Wirsbo hePEX, 300-ft. coil    | A1250500 |  | NSF/ANSI/CAN 61 NSF/ANSI 14 |  |
| 1/2" Wirsbo hePEX, 500-ft. coil    | A1260500 |  | NSF/ANSI/CAN 61 NSF/ANSI 14 |  |
| 1/2" Wirsbo hePEX, 1,000-ft. coil  | A1220500 |  | NSF-61 NSF-14               |  |
| 5/8" Wirsbo hePEX, 100-ft. coil    | A1140625 |  | NSF-61 NSF-14               |  |
| 5/8" Wirsbo hePEX, 300-ft. coil    | A1250625 |  | NSF-61 NSF-14               |  |
| 5/8" Wirsbo hePEX, 400-ft. coil    | A1210625 |  | NSF-61 NSF-14               |  |
| 5/8" Wirsbo hePEX, 1,000-ft. coil  | A1220625 |  | NSF-61 NSF-14               |  |
| 3/4" Wirsbo hePEX, 100-ft. coil    | A1140750 |  | NSF/ANSI/CAN 61 NSF/ANSI 14 |  |
| 3/4" Wirsbo hePEX, 300-ft. coil    | A1250750 |  | NSF/ANSI/CAN 61 NSF/ANSI 14 |  |
| 3/4" Wirsbo hePEX, 500-ft. coil    | A1240750 |  | NSF-61 NSF-14               |  |
| 3/4" Wirsbo hePEX, 1,000-ft. coil  | A1220750 |  | NSF-61 NSF-14               |  |
| 1" Wirsbo hePEX, 100-ft. coil      | A1141000 |  | NSF/ANSI/CAN 61 NSF/ANSI 14 |  |
| 1" Wirsbo hePEX, 300-ft. coil      | A1251000 |  | NSF-61 NSF-14               |  |
| 1" Wirsbo hePEX, 500-ft. coil      | A1241000 |  | NSF-61 NSF-14               |  |
| 1 1/4" Wirsbo hePEX, 100-ft. coil  | A1141250 |  | NSF-61 NSF-14               |  |
| 1 1/4" Wirsbo hePEX, 300-ft. coil  | A1251250 |  | NSF-61 NSF-14               |  |
| 1 1/2" Wirsbo hePEX, 100-ft. coil  | A1141500 |  | NSF-61 NSF-14               |  |
| 1 1/2" Wirsbo hePEX, 300-ft. coil  | A1251500 |  | NSF-61 NSF-14               |  |
| 2" Wirsbo hePEX, 100-ft. coil      | A1142000 |  | NSF-61 NSF-14               |  |
| 2" Wirsbo hePEX, 300-ft. coil      | A1252000 |  | NSF-61 NSF-14               |  |
| 2 1/2" Wirsbo hePEX, 300-ft. coil  | A1252500 |  | NSF-61 NSF-14               |  |
| 4" Wirsbo hePEX, 100-ft. coil      | A1144000 |  | NSF-61 NSF-14               |  |
| 3/8" Wirsbo hePEX, 1,000-ft. coil  | A1220375 |  | NSF-61 NSF-14               |  |

#### Installation

Approved fitting system is ProPEX®. 1 Refer to the Uponor Complete Design Assistance Manual (CDAM) or Hydronic Piping Design Assistance Manual (HPDAM) for further information.

#### Related applications

Radiant Heating and Cooling Systems  
 Permafrost Protection Systems  
 Turf Conditioning Systems  
 Chilled water distribution  
 Hot water distribution

#### Footnotes

#### Contact information

Uponor Inc.  
 5925 148th Street West  
 Apple Valley, MN 55124  
 T 800.321.4739  
 F 952.891.2008

Uponor Ltd.  
 6510 Kennedy Road  
 Mississauga, ON L5T 2X4  
 T 888.594.7726  
 F 800.638.9517