



# VIPERT™ Potable System – Flexibility for easier & faster installations, Superior Performance with Eco-Friendly Benefits

VIPERT Potable Tubing, made of Polyethylene of Raised Temperature Resistance (PE-RT), was designed specifically for potable plumbing systems.

PE-RT has a proven worldwide track record, 40+ years and is the tubing of choice for installers in North America because of its flexibility for easier and faster installation, the ability to use crimp, expand, or push connections, and is 100% recyclable!

This advantage in the tubing comes from tie-chain technology (non-cross-linked) that enables PE-RT to achieve higher hydrostatic design ratings\* and superior mechanical properties compared to any PEX.

\*Plastic Pipe Institute Technical Report – 4



## VIPERT™ Potable (PE-RT) vs PEX-a & PEX-b

| Features   | VIPERT™ POTABLE | PEX-a          | PEX-b          |
|--|-----------------|----------------|----------------|
| The System Sustains Pressurized 190 psi at 180°F (82°C) for a Minimum 1000 hrs. <sup>1</sup> | ✓               | ✓              | ✓              |
| Maximum Pressure & Temperature Rating 250 psi at 73°F (23°C)                                 | ✓               | ✗ <sup>2</sup> | ✗ <sup>2</sup> |
| Fire & Smoke Ratings ASTM E84 and CAN/ULC S101/102.2   | ✓               | ✓              | ✓              |
| UV Resistance  | ✓               | ✓              | ✓              |
| Compatible with Cold Expansion   | ✓               | ✓              | ✗              |
| 100% Fully-Recyclable  | ✓               | ✗              | ✗              |
| Free of Toxic Byproduct Chemicals  | ✓               | ✗ <sup>3</sup> | ✗ <sup>3</sup> |
| Greater Relaxed Memory When Uncoiled   | ✓               | ✗ <sup>4</sup> | ✗ <sup>4</sup> |
| Maximum Chlorine Resistance  | ✓<br>CL5 Rating | ✓ <sup>5</sup> | ✓ <sup>5</sup> |
| 25-Year No Nonsense Warranty   | ✓               | ✗ <sup>6</sup> | ✗ <sup>6</sup> |

<sup>1</sup> The performance and safety requirements for PE-RT in ASTM F2769 are greater than those found in ASTM F876 for Crosslinked Polyethylene (PEX) tube.

<sup>2</sup> Plastic Pipe Institute (PPI) Technical Report-4 listings were used for these calculations. Most PEX tubing are rated to 160 psi at 73°F (23°C).

<sup>3</sup> Due to the risk of toxic cross-link byproducts remaining in the tubing, certain jurisdictions require potable PEX systems to be flushed before use. PE-RT does not produce toxins as byproducts.

<sup>4</sup> PE-RT exhibits more flexibility compared to PEX-a and PEX-b. VIPERT's improved stress relaxation reduces the tubing's tendency to revert to its original coil, unlike PEX.

<sup>5</sup> Depending on the manufacturer, some have a lower chlorine classification, contributing to stress cracking in the tubing.

<sup>6</sup> Most manufacturers offer 25-years but only if using their proprietary fittings, CB SUPPLIES proudly stands behind its VIPERT System, offering peace of mind with a comprehensive 25-year system warranty, available at [cbsupplies.ca/vipert](http://cbsupplies.ca/vipert).

