
SPECIFICATION: EP4



Supplier: NBP International Inc., 135-10500 Côte de Liesse, Lachine, QC, H8T 1A4, Canada

1.0 Product: RinkSense – EP4

.1 A cylindrical water treatment device which creates a rotational flow through the use of a proprietary platform. Pressure gradients, shear force and cavitation resulting from the flow change the condition of the water, which allows the water to freeze with improved crystalline formation.

.2 Capable of being used to treat municipal standard potable water at temperatures between 10 & 20 °C. For use in indoor ice rinks for the purpose of building an ice sheet and/or resurfacing an ice sheet without the addition of chemicals, filters or additional energy supply.

2.0 Construction:

- .1 Components made from stainless steel (SS 316L) meeting CSA/ASTM specifications
- .2 Unit is to have 7 year warranty
- .3 Max. Pressure: 552 kPa (80 psi)¹
- .4 Min. Pressure : 152 kPa (22 psi)
- .5 Max. Temperature: 100 °C
- .6 Flow rate at max. pressure: 114 lpm (30 US gpm)
- .7 Sizes and tolerances: EP4

Overall Length	Diameter	Pipe connection
965 mm (38 in)	100 mm (4 in)	1 in NPT
± 6 mm (¼ in)	± 1.6 mm (1/16 in)	
Seasonal water delivery	1,300 k USG	4,936 k Liters

.8 Acceptable Manufacturer: NBP International Inc.

3.0 Installation

- .1 Vertical or horizontal installations are acceptable.
- .2 Install in accordance with local code authority.
- .3 Install in accordance with manufacturer's instructions.
- .4 Flow direction: Single flow direction marked on unit
- .5 Exit flow condition: Straight, min. 710 mm (2 ft)
- .6 Minimize bends between flow exit and fill pipe

¹Pressure limits refer to service life. See ANSI B31.1 for burst pressures which are higher.