

# Type NX Thermostatic Expansion Valves

For Refrigeration Applications



Sporlan's small and compact **Type NX Thermostatic Expansion Valves** are ideal for foodservice and food retail applications such as display cases, ice machines, frozen drink dispensers and commercial kitchen refrigerators and freezers.

The Type NX valves feature a laser welded stainless steel element, capillary tube, and sensing bulb assembly optimized for reliability and long life.

The single pushrod balanced port design ensures precise pin and port alignment, enabling the valve to maintain superior superheat control at all load conditions.

The forged brass NX valve body is available with a straight-through flow configuration and ODF (sweat) copper connections. The valve can be supplied with either an internal or external equalizer and features a field adjustable superheat stem.



## Features and Benefits

- Long lasting, durable stainless steel diaphragm and weld design
- Single pushrod balanced port construction
- Unique design minimizes solid debris build-up
- Suitable for all common refrigerants including R-290
- Internal or external equalizer
- Easily adjustable Superheat setting
- High-strength silver soldered joints with solid copper fittings



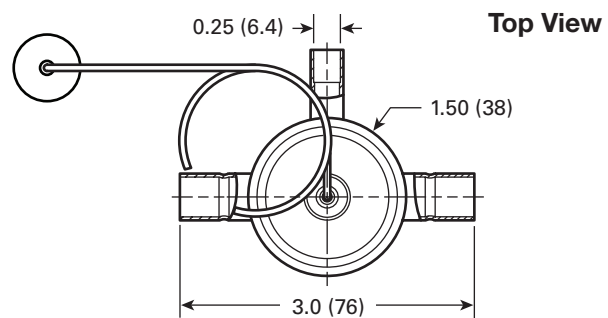
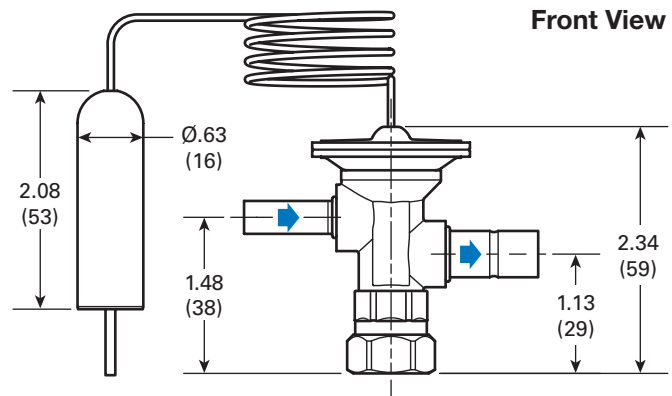
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## Specifications

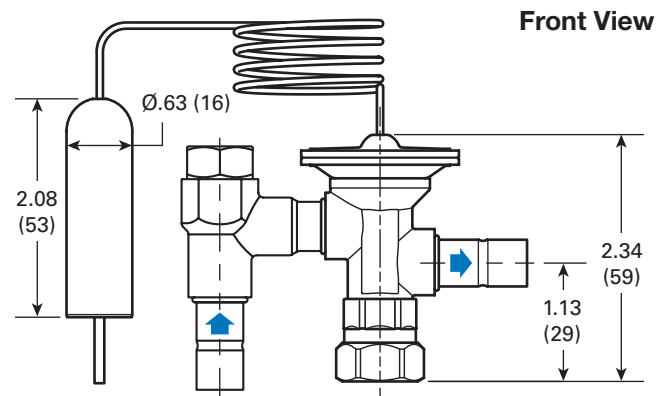
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|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Refrigerant Compatibility</b>        | All common HCFCs, HFCs, and HFOs including: R-22, R-134a, R-290, R-402A, R-404A, R-407A, R-407C, R-407F, R-448A, R-449A, R-450A, R-452A, R-507A, R-513A, R-513B, R-1234yf |
| <b>Lubrication Compatibility</b>        | Mineral Oil (MO)<br>Polyolester Oil (POE)                                                                                                                                 |
| <b>Maximum Rated Pressure (MRP/PS)</b>  | 700 psig<br>48.3 bar                                                                                                                                                      |
| <b>Maximum Installation Temperature</b> | 250°F<br>120°C                                                                                                                                                            |
| <b>Capacity Range</b>                   | Available in 11 different capacity codes from 1/6 tons up to 8 tons<br>0.6 kW up to 28 kW                                                                                 |
| <b>Connections (ODF)</b>                | Inlet - 1/4", 3/8"<br>Outlet - 3/8", 1/2", 5/8"<br>External Equalizer - 1/4"                                                                                              |
| <b>Capillary Tube Length</b>            | 30 inches<br>7.6 cm                                                                                                                                                       |
| <b>Thermostatic Charges</b>             | Wide range type W charges available with or without MOP                                                                                                                   |
| <b>Certification for Safety</b>         | UL Recognized<br>File No. SA5460<br><br>EU PED Fluid Groups 1 and 2,<br>Article 4, paragraph 3, DN<25                                                                     |

## Dimensions - Inches (mm)

### TYPE NX(E)



### TYPE SNX(E)



### WARNING – USER RESPONSIBILITY

Failure or improper selection or improper use of the products described herein or related items can cause death, personal injury and property damage.

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