**MORE INFO**

**Pumps that use oil either as their working fluid (diffusion pumps), or as their lubricant (mechanical rotary pumps), are often the sources of contamination in vacuum systems.** Placing a cold trap at the mouth of such a pump greatly lowers the risk that oil vapors will back stream into the cavity.

**Care should be taken when using a cold trap not to condense liquid oxygen (a light blue liquid) into the cold trap.** Liquid oxygen is potentially explosive, and this is especially true if the trap has been used to trap solvent. Liquid oxygen can be condensed into a cold trap if a pump has sucked air through the trap when the trap is very cold.

**Ai T40 -40°C/°F cold trap features**

* No dry ice or liquid nitrogen needed
* All steel housing for durability
* Small footprint
* Plug and play, no assembly required

**Specifications**

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|  Model |  T40 |
|  Electrical requirements |  110V 60Hz 1-PH 6A or 220V 50/60Hz 1-PH 3A, 660 watts |
|  Compressor |  Make: Embraco Power: 1/3 HP (single stage) Refrigerant: R410A Cooling capacity    110V: 1030 BTU / 260 Kcal/h / 302W    220V: 840 BTU / 212 Kcal/h / 246W |
|  Reservoir | **Volume**   0.9 gallon (3.5 liters)**Dimensions**   Top diameter 7 inches   Bottom diameter 6 1/2 inches   Height 8 1/4 inches |
|  Temperature |  Range: -40°F (-40°C) to ambient Display: digital Unit: °F |
|  Finish |  Exterior: powder coated steel Interior: polished type 304 stainless steel |
|  Trap |  Material: high borosilicate glass 3.3 Volume: 300ml Quantity: three  |
|  Vacuum connection |  3/8" hose barb |
|  Recommended coolant |  For 50°F/10°C or higher: purified water Between 50°F/10°C and -40°F/°C: 50% Ethylene glycol + 50% purified water |
|  Unit/shipping weight |  68 Lb / 160 Lb |
|  Unit/shipping dimensions   |  19 x 23 x 28" / 26 x 31 x 38" (WxDxH) |