**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**

|  |  |
| --- | --- |
| 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) |