

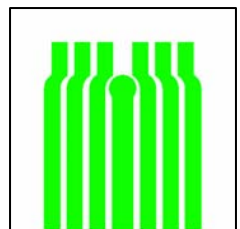
MODEL PE

Porta-Expander



This Tridan **Model PE Porta-Expander** is a semi portable tube expander that can be designed for expansion of either one or two tubes per cycle. The drive of the expander is hydraulic which is propelled by the cylindrical design of the unit itself.

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Customer Driven Designs

Tube Expansion

TRIDAN MODEL PE

The TRIDAN Model PE-2 PORTA-EXPANDER is a hydraulically powered semi-portable mechanical tube expander designed for the expansion of heat transfer coils, which use conventional hairpin or straight tube and return bend construction. It is designed to expand two(2) tubes per cycle, both hairpins legs or two straight tubes, made of copper or aluminum having outside diameters between 5/16" (7.94mm) and 1/2" (12.7mm) and a maximum finned length of 36" (914.4mm).

TECHNICAL SPECIFICATIONS

Tube Diameters	5/16" through 1/2" (7.94/12.7mm)
Tube Material	Copper or Aluminum
Maximum Tube Wall Thicknesses	.025" (0.64mm)
Tube Center-to-Center Dimensions	3/4" through 1.250" (19.05/31.8mm)
Maximum Finned Length Expandable	36" (91cm) – Model PE-2-2T-36
Tubes per Cycle	Two (2)
Minimum Tube Extension Outside End Sheet Required for Clamping	1/2" (12.7mm)
Maximum Width of Adjacent End Sheet Flange Required for Clamping	1.375" (34.9mm)
Expansion Speed –	
60Hz Power Supply	35 to 40 Ft/Min (10.7/12.2 Mtr./Min)
50Hz Power Supply	29 to 33 Ft/Min (8.9/10.2 Mtr/Min)
Setup and Changeover Times	Outside Diameter Chage – 8 Minutes Wall Thickness Change - 3 Minutes

