



PRODUCTS

1-800-394-0016

EXPANTEK®

ExpanTek® Model 180 Series Tube Expansion Tools Pressures Up to 10,000 psi (689 bar)

The ExpanTek® Model 180 Series Tube Expansion Tool offers fast, snap-on coupling and positive sealing for high-pressure tube expansion. When used with the [ExpanTek® Model HPS Hydrostatic Pressure System](#), the tool rapidly expands tubing for HVAC applications including boiler and refrigeration coils, and tubular assemblies. The Model 180 Series Tool is suitable for high-pressure expansion of tubes and pipes with standard OD tolerances and maximum working pressure up to 10,000 psi (689 bar).











To expand a tube, connect the Model 180 Tool with optional [NuQuip® Automatic Air Bleed Valves](#) to the pressure line. Attach the tool to the tube by pressing the handle to retract collets. Push the tube into the tool until pressed against the tube stop. This instantly provides a complete seal. When the handle on the tool is released, the collets are engaged and ready for safe operation. Next apply system pressure to desired level, but do not exceed maximum operating pressure. After the operation cycles and pressure drops to 0 psi/bar, disconnect by pressing the handle to release collets and pull to remove tool.







The Model 180 Series Tool handles standard and metric tube and fitting sizes from 0.38 in. to 1.00 in. OD (9.6 mm to 25.4 mm OD) in diameter.

Contact [Airmo](#) for special tool sizes and configurations.

Product Features

	Specifications	Description
	Maximum Pressure:	Working pressures up to 10,000 psi (689 bar)
	Tube OD Range:	0.38 in. to 1.00 in. OD (9.6 mm to 25.4 mm OD)
	Temperature:	32° F to 120° F (0° C to 49° C)
	Services:	Water, oil, and other liquids on request
	Velocity:	Full-flow, high prefill rate
	Collet Grip and Seal:	On tube OD
	Gripping:	Pressure-compensated design for safe operation
	Tube Swallow:	4 in. (101.6 mm) other tube depths considered
	Standard Port:	NPT
	Predetermined Internal Tube Stop:	Requires no measuring

	Compact Balanced Design:	Reduces operator fatigue
	Use with NuQuip® Automatic Air Bleed Valves:	Eliminates operator attendance during fill cycle
	Construction:	Precision-machined, heat-treated stainless steel
	Custom Options:	Custom options considered



[ExpanTek® Model 180 Series Tube Expansion Tools.pdf](#)



[ExpanTek® Product Line Card.pdf](#)

Applications

The ExpanTek® Model 180 Series Tool is used in many coil and tube expansion applications.

Model 180 Tool Applications

Boiler coil expansion

Refrigeration coil expansion

Tubular assemblies

ExpanTek® Tube Expansion Tools

ExpanTek® Model 30 Series Tube Expansion Tools - Pressures up to 10,000 psi (689 bar)

ExpanTek® Model 35 Series Tube Expansion Tools - Pressures up to 15,000 psi (1,034 bar)

ExpanTek® Model 37 Series Tube Expansion Tools - Pressures up to 20,000 psi (1,379 bar)

ExpanTek® Model 280 Series Tube Expansion Tools - Pressures up to 20,000 psi (1,379 bar)

ExpanTek® Model 380 Series Tube Expansion Tools - Pressures up to 30,000 psi (2,068 bar)

NuQuip® High-Pressure Accessories

NuQuip® Automatic Air Bleed Valves - Pressures up to 40,000 psi (2,758 bar)

NuQuip® Model QD Series Quick Disconnects - Pressures up to 60,000 psi (4,137 bar)

ExpanTek® Hydrostatic Pressure Systems

ExpanTek® Model HPS Hydrostatic Pressure Systems - Pressures up to 30,000 psi (2,068 bar)

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