

TUBE CLEANER SELECTION GUIDE

TUBE CLEANER QUICK SELECTION

Vessel	Type of Tube	Deposit	Machine	Recommended Cleaning Tools
Heat Exchanger Condenser	Non-Ferrous Straight 1/4"-1" (6.4-25.4mm)	Soft Deposits	PTC-40, PTC-60, PORTO	Nylon Brush
Heat Exchanger Condenser	Non-Ferrous Straight 1/4"-1" (6.4-25.4mm)	Medium to Hard Scale	PTC-40, PTC-60, PORTO	Carbide Drill
Heat Exchanger Condenser	Non-Ferrous U-Tube 1/2"-1" (12.7-25.4mm)	Soft Deposit	PTC-40, PTC-60, PORTO	Cup Brush, Wheel Brush
Heat Exchanger Condenser	Non-Ferrous U-Tube 1/2"-1" (12.7-25.4mm)	Hard Scale or Blockage	PTC-40, PTC-60, PORTO	Cobalt Tip Tool
Heat Exchanger Condenser	Ferrous Straight 1/4"-1" (6.4-25.4mm)	Soft Deposit Light Scale	PTC-40, PTC-60, PORTO	Stainless Steel Brush
Heat Exchanger Condenser	Ferrous Straight 1/4"-1" (6.4-25.4mm)	Medium to Hard Scale	PTC-40, PTC-60, PORTO	Carbide Drill, Wheel Brush Tool
Heat Exchanger Condenser	Ferrous U-Tube 1/2"-1" (12.7-25.4mm)	Soft Deposit Light Scale	PTC-40, PTC-60, PORTO	Cup Brush, Wheel Brush Tool
Heat Exchanger Condenser	Ferrous U-Tube 1/2"-1" (12.7-25.4mm)	Hard Scale or Blockage	PTC-40, PTC-60, PORTO	Cobalt Tip Tool
Heat Exchanger Condenser	Non-Ferrous Straight 1/4"-1" (6.4-25.4mm)	Soft Deposit	C-10 with Hollow Tube	Nylon Brush, Brass Brush
Heat Exchanger Condenser	Ferrous Straight 1/4"-1" (6.4-25.4mm)	Soft Deposit	C-10 with Hollow Tube	Stainless Steel Brush
Heat Exchanger Condenser	Non-Ferrous Straight 5/16"-1" (7.9-25.4mm)	Medium to Hard Scale	C-10 with Hollow Tube	Buffing Tool with Drill Tip, Carbide Drill
Heat Exchanger Condenser	Non-Ferrous or Ferrous Straight 3/16"-3/8" I.D. (4.8-9.5mm)	Hard Scale Blockage	C-10	Hollow Drills (other diameters and lengths available on request-consult factory for prices and delivery)
Heat Exchanger Condenser	Non-Ferrous or Ferrous Straight 7/8"-2" I.D. (22.2-51.0mm)	Hard Scale Blockage	C-315	HCD Series Carbide Drills
Heat Exchanger Condenser	Non-Ferrous or Ferrous Straight 3/16"-1" I.D. (4.8-25.4mm)	Hard Scale Blockage	C-10 with Hollow Tube	Carbide Drills
Heat Exchanger Condenser	Non-Ferrous Straight 1"-14" I.D.(25.4-355.6mm)	Soft Deposit	PTC-75	Buffing Tool, Wing Tool-Flexible Arm-Carbide Ball Tip, Carbon Steel Brush
Heat Exchanger Condenser	Non-Ferrous Straight 1"-14" I.D.(25.4-355.6mm)	Medium to Hard Scale	PTC-75	Buffing Tool, TCB Brush, Wing Tool-Stiff Arm Cutter
Heat Exchanger Condenser	Ferrous Straight 1"-14" I.D. (25.4-355.6mm)	Soft Deposit	PTC-75	Buffing Tool, Wing Tool-Flexible Arm-Carbide Ball Tip, CBTS Brush, Carbon Steel Brush
Hoses	Plastic 1.1/4"-14" I.D. (31.7-355.6mm)	Soft Deposit	PTC-75	Nylon Brush and Plastic Brushes
Firetube Boiler	Straight Steel 1.3/8"-4" O.D. (35.0-101.6mm)	Soot and Light Scale	PTC-75	Buffing Tool, CBTS Series Brush
Firetube Boiler	Straight Steel 1.3/8"-4" O.D. (35.0-101.6mm)	Hard Heavy Scale	PTC-150	Scraper Tool, Cone Cutter Tool, Wing Tool-Stiff Arm Cutter
Vaccum Pan, Juice Heater	Ferrous Straight 1.18"-1.49" I.D. (30.0-38.0mm)	Medium to Hard Scale	TC-30	HZ Cutter, H Cutter, TH Brush, WBA Brush, DS Brush
Vaccum Pan, Juice Heater	Ferrous Straight 1.53"-2.55" I.D. (38.4-65.0mm)	Medium to Hard Scale	TC-50	H Cutter, WA Cutter, SA Cutter, TH Brush, DS Brush, WBA Brush
Vaccum Pan, Juice Heater	Ferrous Straight 2.59"-3.93" I.D. (66.0-100.0mm)	Medium to Hard Scale	TC-75	H Cutter, WA Cutter, SA Cutter, TH Brush, DS Brush, WBA Brush
Watertube Boiler	Straight Steel 1"-3.1/4" I.D.(25.4-82.6mm)	Soft Deposit Light Scale	PTC-75	Buffing Tool, CBTS Brush, Wing Tool-Flexible Arm-Carbide Ball Tip
Watertube Boiler	Straight Steel 1"-3.1/4" I.D.(25.4-82.6mm)	Medium to Hard Scale	PTC-75	Buffing Tool, Cylinder Cutter Tool



Powermaster exports Tube Expanding, Tube Cleaning and related equipment to over 120 countries worldwide.

TUBE CLEANER SPECIFICATIONS QUICK REFERENCE GUIDE

Model	Pages	Tube Size	Motor Power	Power Source	Shaft/Drill Speed
PTC-40	94	1/4"-1" I.D. (6.4-25.4mm)	1/2 HP (0.40 kW)	Electric 110 or 220V, 50 or 60 Hz	890 rpm
PTC-60	94	1/4"-1" I.D. (6.4-25.4mm)	3/4 HP (0.60 kW)	Electric 110 or 220V, 50 or 60 Hz	890 rpm
PTC-75	94	1" & UP I.D. (25.4mm & UP)	1 HP (0.75 kW)	Electric 110 or 220V, 50 or 60 Hz	1780 rpm
PTC-150	94	1" & UP I.D. (25.4mm & UP)	2 HP (1.50 kW)	Electric 110 or 220V, 50 or 60 Hz	1780 rpm
PORTO	98	1/4"-1" I.D. (6.4-25.4mm)	1/2 HP (0.40 kW)	Electric 110 or 220V, 50 or 60 Hz	1760 rpm
C-10	109	3/16"-1" I.D. (4.8-25.4mm)	0.6 HP (0.45 kW)	Air:Min.60psi@16cfm	700 rpm
C-315	109	7/8"-2" I.D. (22.2-51.0mm)	1 HP (0.75 kW)	Air:Min.90psi@20cfm	1000 rpm