



ELECTRIC TUBE CLEANER

Model PTC-4X

Model PTC-4X For Boiler Water Tube/Chiller/Heat Exchanger

Electric tube Cleaners are Compact self-contained, roll anywhere units

That can be used in confined areas. Operation through a foot switch ensures the need For one operator. The brushes or other cleaning tools are rotated through the tube at the tip of a Flexible shaft. Flexible Shafts ensure use in bent tubes.

All models are supplied with mobile dolly, tool storage box, single direction foot switch. Optional 2 direction foot switch

Tube I.D.		Tube Cleaner Model No.	Motor HP	Power kW	Motor speed RPM	Weight		High	Dimension Wide	Deep
Inch.	mm.					Ibs	Kg			
5/16"-UP	6.4-UP	PTC-4X	3	2.20	2900	75	34	37"(940mm.)	20"(508mm.)	17"(432mm.)

** All units available in your choice 220v.

50Hz-4.5Amps.

380v. 50Hz-4.5amps.



- > Corrosion resistant steel cover and chassis for longer life.
- > Easy interchangeability of various shaft and accessories for maximum versatility.
- > Flexible shaft can be easily disconnected without need for any tools.
- > Large wheels for easy maneuverability.
- > Water flushes through the shaft as it rotates to remove deposits from tubes to save time
- > Foot switch operation makes it convenient for operator
- > Reduced water consumption for cleaner working area.





FOR TUBE 1”(25.4mm.) I.D. and UP

Tube I.D. Range		Flexible Shaft Model No.	Flexible Shaft feet	Length mtrs	Shaft Core O.D.		Shaft Casing O.D.		Tool End Thread
Inch	mm.				Inch.	mm	Inch.	mm.	
7/8-UP	22.2-UP	PFS720-25	25	7.5	1/2	12.7	3/4	19.1	1/2-12F
		PFS720-33	30	10					
		PFS720-50	50	15					
		PFS720-65	65	20					
1.1/8-UP	28.5-UP	PFS1625-25	25	7.5	5/8	16	1	25.4	1/2- 12F
		PFS1625-33	35	10					
		PFS1625-50	50	15					
		PFS1625-65	65	20					

CURVED TUBE WHEEL BRUSH

Recommended for removing soft and light scale deposits in

Curved tubes. Each assembly consists of a single stainless steel

Wire wheel brush attached to each end of a universal joint.

Brushes should be 1/4”-3/8” (6.4-9.5 mm.) smaller than tube I.D.

Replacement element are available shown in the table below.



Curved Tube I.D.		Wheel Brush Assembly	Actual Brush O.D.		Replacement Brushes	Replacement Universal Joint	Replacement Retainer Bolt
Inch.	mm.		Inch.	mm.			
1.1/4-1.3/8	31.7-35.0	WBC-100*	1	25.4	WBR-100	CUJ-001	CWB-001
1.1/2-1.5/8	38.1-41.3	WBC-125*	1.1/4	31.7	WBR-125	CUJ-001	CWB-001
1.3/4-1.7/8	44.5-47.6	WBC-150*	1.1/2	38.1	WBR-150	CUJ-001	CWB-001
2-2.1/8	51.0-54.0	WBC-175	1.3/4	44.5	WBR-175	CUJ-002	CWB-002
2.1/4-2.3/8	57.1-60.3	WBC-200	2	51.0	WBR-200	CUJ-002	CWB-002
2.1/2-2.5/8	63.5-66.7	WBC-225	2.1/4	57.1	WBR-225	CUJ-002	CWB-002
2.3/4-2.7/8	70.0-73.0	WBC-250	2.1/2	63.5	WBR-250	CUJ-002	CWB-002
3-3.1/8	76.2-79.4	WBC-275	2.3/4	70.0	WBR-275	CUJ-002	CWB-002
3.1/4-3.1/2	82.6-89.0	WBR-300	3	76.2	WBR-300	CUJ-002	CWB-002



TOOL HEAD FOR WATER TUBE BOILER

CONE CUTTER ASSEMBLES



Cone Cutter Assemblies are used for removing scale from

Curved and straight. Assemblies are slightly smaller than tube I.D.

Scale is cut starting at the smaller tapered end and finished at the larger end.

The rotation of the tool ensures a thorough cleaning. In water tube boiler, cone cutters

Are the most effective for all conditions. To order refer to the tables below.

SINGLE AND DOUBLE CONE CUTTER ASSEMBLES

Assemblies consisting of one or two cone Elements are used

For cleaning for cleaning straight tube 1.1/8”-2.5/16” (28.6-58.7mm.)

I.D. and curved tubes 1.1/4”-2.3/8” (31.7-60.3mm.) I.D.



Straight Tube I.D.		Curved Tube I.D.		Complete Single Cone Assembly	Complete Double Cone Assembly	Cone Max.		Replacement Cone Only	Universa l Joint	Single Cone Bolt	Double Cone Bolf
Inch.	mm.	Inch.	mm.	Inch.	mm.						
1.1/8-1.1/4	28.6-31.7	1.1/4-1.3/8	31.7-35.0	PSCA-100	PDCA-100	1	25.4	RCO-100	CUJ-001	CRB-001	DCB-001
1.5/16-1.3/8	33.3-35.0	1.1/2-1.5/8	38.1-41.3	PSCA-112	PDCA-112	1.1/8	28.6	RCO-112	CUJ-002	SCB-002	DCB-002
1.7/16-1.1/2	36.5-38.1	1.3/4-1.7/8	44.5-47.6	PSCA-125	PDCA-125	1.1/4	31.7	RCO-125	CUJ-002	SCB-002	DCB-002
1.9/16-1.3/4	39.7-44.5	2-21/8	51.0-54.0	PSCA-150	PDCA-150	1.1/2	38.1	RCO-150	CUJ-002	SCB-002	DCB-002
1.13/16-2	46.0-51.0	2.14-2.3/8	57.0-60.3	PSCA-175	PDCA-175	1.3/4	44.5	RCO-175	CUJ-002	SCB-002	DCB-002
2.1/16-2.5/16	52.4-58.7			PSCA-200	PDCA-200	2	51.0	RCO-200	CUJ-002	SCB-002	DCB-002

DISC CONE ASSEMBLES



Disc Cone Assembly

Assemblies consisting of three cones are used for cleaning straight

Tubes 2.3/8"-3.3/4"(60.3-95.2) I.D. and curved tubes 2.1/2"-4" (63.5-101.6mm.)I.D.

Straight Tube I.D.		Curved Tube I.D.		Complete Disc Cone Assembly	Replacement Cone Only (three req.)	Disc Only (Less Cones)	Universal Joint	Cone Retainer Bolt (three req.)
Inch.	mm.	Inch.	mm.					
2.3/8-2.13/16	60.3-71.4	2.1/2-3.1/16	63.5-77.8	PDS-101	RCO-100	PCD-101	CUJ-002	CRB-001
2.7/8-3.5/16	73.0-84.1	3.1/8-3.5/8	79.4-92.1	PDS-102	RCO-100	PCD-102	CUJ-002	CRB-001
3.3/8-3.3/4	85.7-95.2	3.11/16-4	93.7-101.6	PDC-103	RCO-112	PCD-102	CUJ-002	CRB-002

DRILLCONE ASSEMBLES

For Plugged Tubes/Pipes 1"-1.7/8"(25.4-47.6mm.)I.D. Drill/Cone Assemblies

Are recommended for cleaning straight tubes plugged solidly with deposits

Order assembly to correspond to tube I.D. All drills run 10% oversize

Tube I.D.		Drill cone Assemble
Inch	mm.	
1	25.4	DC-100
1.1/8	28.6	DC-112
1.1/4-1.3/8	31.7-35.0	DC-125
1.1/2-1.5/8	38.1-41.3	CD-150
1.3/4-1.7/8	44.5-47.6	CD-175



Drill/ Cone Assembly