

Roto-Jet

Rotary Tube Cleaning Systems

Tube Size

- 0.250" to 3.000" ID
- 6.35 to 76.2mm ID

Tube Section

- Straight
- Curved

Type

- Soft, gummy or organic

Thickness

- Light
- Medium

Flush

- Wet
- Dry

Elliott Tool Roto-Jet Cleaning Systems are an effective solution to increasing chiller, condenser, and other heat exchanger efficiency.

Elliott Tool offers a variety of Roto-Jet Tube Cleaners to suit your specific application needs:

Roto-Jet I Series

Electric heavy duty models 0620AR (110V) and 0820AR (220V) are ideal for mechanical contractors that perform tube cleaning on a regular basis. Equipped with a 1 HP motor, these cleaners are powerful yet simple to use due to their reversing capability.

Roto-Jet II Series

Electric models 0650R (110V) and 0750R (220V) are recommended for operating sites such as hospitals, schools, and other institutions that perform tube cleaning on a periodic basis. Equipped with a 1/2 HP motor, these cleaners are economical and reversible, making them easy to operate and handle.

Pneumatic Roto-Jet

Model 0420 is a pneumatic tube cleaner with a powerful 4 HP motor to clean tubes where electricity is not readily available. The 0420 is perfect for tube cleaning performed in power utility plants and paper, steel, and sugar mills.

All of the Roto-Jet Tube Cleaning Systems use flexible shafts and cleaning tools to flush deposits free from the tubes, enabling you to increase heat transfer efficiencies while reducing your heat transfer costs.



Features & Benefits:

- Heavy duty shaft for cleaning heavy deposits.
- Flexible shaft with water flush for removal of deposits in curved tubes.
- Storage compartment for foot pedal, controls, & supplies.
- Lightweight and sized for confined work spaces.
- Uses standard flex shafts for easy maintenance.
- Ground fault isolation for increased operator safety.
- Roto-Jet II (220V) is CE mark certified.

Part #	Voltage	Reversible	RPM	Dimensions		Weight		Tube ID	
				Inch	mm	lbs.	Kg.	Inch	mm
0620AR	110	Yes	850	17 X 15 X 10.5	432 X 381 X 267	63	29	0.250-3.000	6.35-76.2
0820AR	220	Yes	850	17 X 15 X 10.5	432 X 381 X 267	63	29	0.250-3.000	6.35-76.2
0650R	110	Yes	0-1800	11 X 20 X 9	280 X 508 X 229	35	16	0.250-1.000	6.35-25.4
0750R	220	Yes	0-1800	11 X 20 X 9	280 X 508 X 229	35	16	0.250-1.000	6.35-25.4
Part #	Air Requirement	Reversible	RPM	Dimensions		Weight		Tube ID	
				Inch	mm	lbs.	Kg.	Inch	mm
0420	138 CFM @100 PSI	No	0-2500	21.5 X 10.25 X 10.5	546 X 261 X 267	48	22	0.250-3.000	6.35-76.2



Moisture

Application Notes

Wet

Commonly used in chillers, watertube boilers, and other applications where water does not inhibit cleaning. Never operate wet shafts without water flushing through the shaft's casing.

Dry

Commonly used in firetube boilers and sugar mill cleaning.



Flexible Wet Shaft



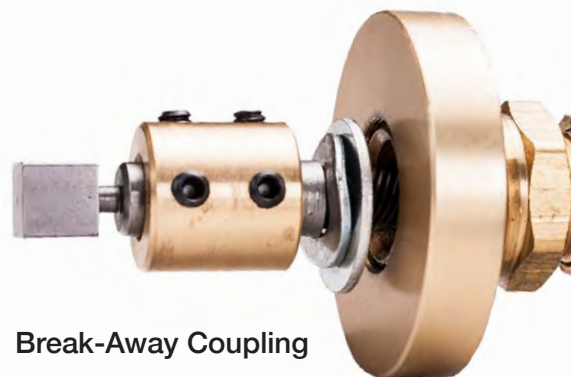
Flexible Dry Shaft

Wet Shaft																
Tube ID		Flexible Shaft Part #'s Lengths								Shaft Case Diameter		Drive Coupling	Break-Away Coupling	Solid Coupling	Tool Coupling	Female Tool Coupling Thread
Inch	mm	Ft	Mtrs	Ft	Mtrs	Ft	Mtrs	Ft	Mtrs	Inch	mm					
		15	4.5	25	7.6	35	10.7	50	15.2							
0.312-0.375	7.92-9.53	051115		051125		051135		051150		0.250	6	0516		0502	0513	*#6-32
0.437-0.500	11.10-12.70	051215		051225		051235		051250		0.375	10	0503	0501	0502	0504	1/4"-28
0.562-1.000	14.27-25.40	051315		051325		051335		051350		0.500	13	0506	0501	0502	0507	
0.750-1.500	19.05-38.10	0514A15		0514A25		0514A35		0514A50		0.625	16	0514-3			0514-1	1/2" WHIT
1.000-2.000	25.40-50.80	051415		051425		051435		051450		0.750	19	0508			0509	
2.000+	50.80+	051515		051525		051535		051550		1.000	25	0510			0511	
Dry Shaft																
1.000-2.000	25.40-50.80	053415		053425		053435		053450				0508			0509	1/2" WHIT

* Adapter 5100 AC included with 0511 shafts to convert to #8-32 thread.

Spares & Accessories:

- Break-Away Coupling: 0501-10
- Solid Coupling: 0502-10
- Drive Coupling
- Tool Coupling
- 6070 Filter/Lubricator (Pneumatic)
- Flexible Shaft Repair Kit Includes 3 Coupling Adapters, 3 Tool Couplings, Brass Coupling, 3 Shaft Washers, 1 Male Connector, 3 O Rings, Crimping Block (on K1 kits only).



Break-Away Coupling



Roto-Jet Brushes



0904 Steel Wire

Deposit: Light (Soot) Scale
Tube: Ferrous, Prime
Cleaning Type: Dry



0942 Stainless

Deposit: Light Scale
Tube: Non-Ferrous, Prime
Cleaning Type: Wet



0942B Brass

Deposit: Light Scale
Tube: Non-Ferrous, Prime
Cleaning Type: Wet



5508 Turbo

Deposit: Light Scale
Tube: Non-Ferrous & Ferrous, Enhanced
Cleaning Type: Wet



5510 Turbo

Deposit: Light Scale
Tube: Non-Ferrous & Ferrous, Prime
Cleaning Type: Wet



5513 Turbo

Deposit: Light to Medium Scale
Tube: Non-Ferrous & Ferrous, Prime
Cleaning Type: Wet



0954 Flex Hones

Deposit: Light Scale
Tube: Ferrous, Prime
Cleaning Type: Wet



HD Nylon

Deposit: Medium to Heavy Mud
Tube: Non-Ferrous & Ferrous, Prime
Cleaning Type: Wet

Brush Diameter		Shaft Size	0942 Stainless	0942B Brass	5508 Turbo	5510 Turbo	0954 Flex Hone	5502 HD Nylon	5513 Turbo	0904 Steel Wire
Inch	mm									
0.250	6.35	0511	0942250	0942B250				*5502-250		
0.312	7.92		0942312	0942B312			0954-312	*5502-312		
0.375	9.53		0942375	0942B375			0954-375	*5502-375		
0.437	11.10	0512	0942437	0942B437			0954-437	5502-437		
0.500	12.70		0942500	0942B500	5508-12	5510-8	0954-500	5502-500		
0.562	14.27	0513	0942562	0942B562			0954-562	5502-562		
0.625	15.88		0942625	0942B625			0954-625	5502-625		
0.687	17.45		0942687	0942B687	5508-16		0954-687	5502-687		
0.750	19.05		0942750	0942B750		5510-12	0954-750	5502-750		0904750
0.812	20.62		0942812	0942B812				5502-812		
0.875	22.22	0514	0942875	0942B875			0954-875	5502-875		0904875
0.937	23.80		0942937	0942B937	5508-18			5502-937		
1.000	25.40		09421000	0942B1000		5510-16	0954-1000	5502-1000		09041000
1.062	26.97		09421062	0942B1062						
1.125	28.58	0515	09421125	0942B1125		5510-18				09041125
1.187	30.15		09421187	0942B1187						
1.250	31.75		09421250	0942B1250		5510-20				09041250
1.312	33.32		09421312	0942B1312						
1.375	34.50									09041375
1.437	36.50		09421437	0942B1437						
1.500	38.10		09421500	0942B1500					5513-24	09041500
1.625	42.55									09041625
1.750	44.45								5513-28	09041750
1.875	47.63									09041875
2.000	50.80							5513-32	09042000	
2.125	53.98								09042125	
2.250	57.15								09042250	
2.375	60.33								09042375	
2.500	63.50								09042500	
2.625	66.68								09042625	
2.750	69.85								09042750	
2.875	73.03								09042875	
3.000	76.20								09043000	
3.125	79.38								09043125	
3.250	82.55								09043250	
3.375	85.72								09043375	
3.500	88.90								09043500	

* 5502 brushes must use adapter 5100AC (included with 0511 shafts).



0946 Descale No Drill

Deposit: Medium Scale
Tube: Ferrous, Prime
Cleaning Type: Wet or Dry



0947 Descale With Drill










Deposit: Medium Scale
Tube: Ferrous, Prime
Cleaning Type: Wet

Tube ID		Descaling Tool	Descaling Tool w/ Drill Tip	Blade Refills	Shaft Size
Inch	mm				
0.312-0.375	7.92-9.53	09461*	09471*	0946RF2	0511
0.375-0.500	9.53-12.70	09462	09472	0946RF2	0512
0.500-0.5625	12.70-14.28	09463	09473	0946RF3	0513
0.625-1.000	15.88-25.40	09464	09474	0946RF4	0514A
1.000-3.000	25.40-76.20	09465	09475	0946RF5	0514

*Requires adapter 5100AC (included with 0511 shafts).

Ferrous materials include: steels, titanium, hastelloy. Non-Ferrous materials include: copper, brass, bronze, aluminum.
For brush series 5502, 0941, 0942B, and 0942 size the brush ID equal to or 0.062" (1.6mm) below the tube ID.



Vacuums and Accessories		Part #	Description	
Vacuums		08520	110V/60 Hz, 115 CFM for dry or wet service 20 gallon capacity, 13 AMPS, 2 HP, 08522 10' suction hose included	
		08520-220	220V/50 Hz, 115 CFM for dry or wet service 20 gallon capacity, 7 AMPS, 2 HP, 08522 10' suction hose included	
		08509	Cloth Filter Bag	
		08510	Paper Filter Bag (3 per pkg.)	
		08511	Canvas Filter Bag	
Suction Adapter		0970A	For combination cleaning and vacuum extraction nozzle adapter see below. Sold separately.	
			08540	10 feet (3M) long Diameter: 2" (50.8mm) includes 2" Hose to 1-1/2" Tool Cuff
			08541	15 feet (4.6M) long Diameter: 2" (50.8mm) includes 2" Hose to 1-1/2" Tool Cuff
			08542	25 feet (7.6M) long Diameter: 2" (50.8mm) includes 2" Hose to 1-1/2" Tool Cuff
Nozzles		0901 (Dia.)*	Standard	
		0902 (Dia.)*	18" (457.2mm) Offset	
		0903 (Dia.)*	18" (457.2mm) Extension	
		08537	5" (127mm) Dusting Brush	
		08539	6" (152.4mm) Aluminum Utility Tool	
		08529	2" (50.8mm) "Y" Adapter	
* Diameter: 7/8" thru 3-1/2" (22.2 thru 88.9mm) in 1/8" (3.2mm) increments				

