



## Boiler Tube Cleaners

Tube Cleaners for Straight Tubes

Complete series of motors and heads available for tube sizes  
1/2" to 1-3/8" (12.7 to 34.9 mm) I.D.



**MIDGET MOTOR**  
WITH OPTIONAL HEADS

Complete cleaner consists of: air motor with extra set of blades; shaft wrench; metal box; choice of single unit cutter head with four extra cutters and two extra cutter pins. If a Type 2 head (30 series) is ordered, one extra flexible connection is furnished. If expanding blade head is ordered, one extra set of blades is furnished.

For operating hose (not included) refer to page 116.



**Drill Head with Universal Joint**  
Range: 1/2 in. (12.7 mm) - 1-3/8 in. (34.9 mm)  
Deposit: heavy-medium to soft



**Single Unit Head with Universal Joint**  
Range: 1/2 in. (12.7 mm) - 1-3/8 in. (34.9 mm)  
Deposit: light-hard to medium



**Expanding Blade Cutter Head**  
Range: 1/2 in. (12.7 mm) - 4-1/2 in. (114.3 mm)  
Deposit: light-hard to medium

Complete series of motors and heads available for tube sizes  
1-1/2" to 13-3/4" (12.7 to 336.5mm) I.D.



**3000 SERIES MOTOR**  
WITH OPTIONAL HEADS

Complete cleaner consists of: air motor with extra set of blades; shaft wrench; choice of cutter head with two extra sets of cutters and cutter pins; universal joint with two extra pins; two drills. If single unit head is ordered, four extra sets of cutters are furnished. If arm-type head is ordered, one extra set of arm pins is furnished.

For operating hose (not included) refer to page 116.



**TYPE-4 Forward Swing Head**  
Range: 1-3/4 in. (44.4 mm) -  
4 1/4 in. (120.6 mm)  
Self feeding  
Deposit: 1/2 in. (12.7 mm)  
thick-soft to medium



**TYPE-5 Wing Arm Head**  
Range: 1-3/4 in. (44.4 mm) -  
13 1/4 in. (336.5 mm)  
Self feeding  
Deposit: 1/2 in. (12.7 mm)  
thick-hard to medium



**TYPE-3 P-Type Head**  
Range: 2-1/4 in. (57.1 mm) -  
7 in. (177.8 mm) Self feeding  
Deposit: 3/8 in. (9.5 mm)  
thick-hard to medium



**Drill Head with Universal Joint**  
Range: 1-1/2 in. (38.1 mm) -  
11 in. (279.4 mm)  
Deposit: 3/4 in. (19.0 mm)  
thick-medium to hard and  
plugged tubes



## Boiler Tube Cleaners

Tube Cleaners for Curved Tubes

*Airetool.*

### Complete series of motors and heads available for tube sizes 13/16" to 2-1/8" (20.6 to 53.9 mm) I.D.



MIDGET MOTOR WITH OPTIONAL HEADS

Complete cleaner consists of: air motor with extra set of blades; shaft wrench; metal box; choice of single unit cutter head with four extra cutters and two extra cutter pins; universal joint with two extra pins; two drills. If single unit head is ordered, four extra cutters are furnished.

For operating hose (not included) refer to page 116.



Drill Head with Universal Joint  
Range: 1-1/2 in. (38.1 mm) - 2-1/8 in. (53.9 mm)  
Deposit: light-hard to medium



**TYPE-1 "40" SERIES**  
Single Unit Head with Universal Joint  
Range: 1/2 in. (12.7 mm) - 2-1/8 in. (53.9 mm)  
Deposit: light-medium to hard



**TYPE-2 "30" SERIES**  
Single Unit Head with Flexible Shaft  
Range: 1/2 in. (12.7 mm) - 2-1/8 in. (53.9 mm)  
Deposit: light-medium to hard

### Complete series of motors and heads available for tube sizes 1-1/2" to 13-1/4" (38.1 to 336.5 mm) I.D.



4000 SERIES MOTOR WITH OPTIONAL HEADS

Complete cleaner consists of: air motor with extra set of blades; shaft wrench; choice of cutter head with two extra sets of cutters and cutter pins; universal joint with two extra pins; two drills. If single unit head is ordered, four extra sets of cutters are furnished. If arm-type head is ordered, one extra set of arm pins is furnished.

For operating hose (not included) refer to page 116.



Drill Head with Universal Joint  
Range: 1-1/2 in. (38.1 mm) - 11 in. (279.4 mm)  
Deposit: 1/2 in. (12.7 mm) - thick-hard to medium



**TYPE-4**  
Forward Swing with Universal Joint  
Range: 1-3/4 in. (44.4 mm) - 4-3/4 in. (120.6 mm)  
Deposit: 1/2 in. (12.7 mm) - thick-soft to medium



**TYPE-5**  
Wing Arm Head with Universal Joint  
Range: 1-3/4 in. (44.4 mm) - 13-1/4 in. (336.5 mm)  
Self feeding  
Deposit: 1/2 in. (12.7 mm) - thick-hard to medium