

# Goodway® Tube Cleaning Equipment

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**GOODWAY®**



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## General Data – Cross-Reference

**Table 1. Goodway Ream-A-Matic Tube Cleaners**

ServiceFirst Item Number	Goodway PN	Description	Voltage	Standard Features
TOL01659	RAM-4-60	Ream-A-Matic Tube Cleaner	1/2 HP, 115V, 60 Hz	Mobile dolly, tool storage box and foot switch
TOL01747	RAM-4-60-C	Ream-A-Matic Tube Cleaner w/contractor dolly	1/2 HP, 115V, 60 Hz,	Includes tool storage box, single direction foot switch and heavy duty contractor dolly.
TOL01746	RAM-4-60-R	Ream-A-Matic Tube Cleaner w/two-way foot switch	1/2 HP, 115V, 60 Hz	Includes mobile dolly, tool storage box and two-directional foot switch.
TOL01787	RAM-4-60-R-C	Ream-A-Matic Tube Cleaner w/two-way foot switch & contractor dolly	1/2 HP 115V, 60 Hz	Includes tool storage box, two-directional foot switch and contractor dolly.
TOL01741	RAM-4A-50	Ream-A-Matic Tube Cleaner	1/2 HP, 220V, 50 Hz	Includes mobile dolly, tool storage box and foot switch.
TOL01860	RAM-4-BASE-60	Ream-A-Matic Tube Cleaner W/O Dolly	1/2 HP, 115V, 60 Hz,	Includes tool storage box, and single directional foot switch.
TOL01861	RAM-4-BASE-60-R	Ream-A-Matic Tube Cleaner W/O Dolly	1/2 HP, 115V, 60 Hz	Includes tool storage box and double directional foot switch.
TOL01734	RAM-4X-60-2	Ream-A Matic Heavy Duty Tube Cleaner	1 HP, 115V, 60Hz	Includes mobile dolly, tool storage box, foot switch and 2:1 drive ratio
TOL03254	RAM-5SF-60-3	Ream-A-Matic Tube Cleaner	3/4 HP, 115V, 60 Hz	Speed-Feed gun, 15' (4.6m) guide hose, one set of shaft feeder gears for GTC-703 series flexible shafts, mobile dolly, tool storage box and foot switch.
TOL03256	RAM-5SF-60-3-C	Ream-A-Matic Speed Feed Tube Cleaner	3/4 HP, 115V, 60 Hz,	Includes speed-feed gun 15 ft. guide hose, one set w/contractor dolly of shaft feeder gears for GTC703 series flexible shafts, tool storage box, foot switch and heavy-duty contractor dolly.
TOL01661	RAM-6-60	Ream-A-Matic Tube Cleaner	1 1/2 HP, 115V, 60 Hz	Contractor dolly, tool storage box and foot switch.
TOL01745	RAM-PTC-60	Port-A-Ram Tube Cleaner	1/2 HP, 115V, 60 Hz	Single Direction, Direct Drive, 1725 RPM
TOL03255	RAM-5SF-60-3-BASE	Ream-A-Matic Tube cleaner	3/4 HP, 115V	Includes speed-feed gun 15 FT. guide hose, one set of shaft feeder gears for GTC703 series flexible shafts, tool storage box and single direction foot switch.
TOL02045	AQ-R1500	Duct Cleaner	1 HP, 115V, 60 Hz	Includes belt switch with forward/reverse adjustable speed control, mobile dolly and tool storage box

**Table 2. Goodway CoilPro Coil Cleaners**

ServiceFirst Item Number	Goodway PN	Description	Voltage	Standard Features
TOL02707	CC-140	Battery Powered or 115V Coil Cleaning Machine, Variable Pressure 40-140 psi	0.2 HP, 12VDC or 115AC	Includes 25' hose spray gun with 18" wand, 3 nozzles, 1 Gallon of CoilShine
TOL02708	CC-600	High Pressure CoilPro Cleaning Machine 600 psi @ 1.6 gpm	1.3HP, 115V	Includes 25' hose spray gun with 18" wand, 3 nozzles, 1 Gallon of CoilShine
TOL02798	CC-100	Back Pack CoilPro Variable Pressure 40-100 psi	0.1 HP, 12VDC	Includes 10' self coiling hose spray gun with 18" wand, 3 nozzles, 1 Gallon of CoilShine
TOL03291	CC-100D	Back Pack CoilPro Variable Pressure 40-100 psi	0.1 HP, 12VDC	Includes 10' self coiling hose spray gun with 18" wand, 3 nozzles, 1 Gallon of CoilShine
TOL03253	CC-JR	CoilPro, Jr Cleaning Machine 125 psi @ 0.6 gpm	0.2 HP, 12VDC	Includes 10' self coiling hose spray gun with 3' sectional wand, 2 nozzles, 1 Gallon of CoilShine

**Table 3. Goodway Pressure Washers/Goodway Vapor-Steam Cleaner**

ServiceFirst Item Number	Goodway PN	Description	Voltage	Standard Features
TOL01726	GPW-1000-60	Hi-Pressure Washer 1000 psi @ 2.2 gpm	1/2 HP, 115V, 60 Hz	Includes 3' wand, 25' high pressure hose, 5 quick disconnect nozzles, soap container and dolly
TOL01679	GPW-1200-60	Portable Hi-Pressure Washer 1200 psi @ 1.8 gpm	1.7 HP, 115V, 60 Hz	Includes 3" wand, 25' hi-pressure hose, variable pressure nozzle and soap container
TOL02131	GVC-1500	Vapor Steam Cleaner, 1500 W	115V, 60 Hz	Includes 10' hose, two-piece 38" wand, 11" floor brush, 5" triangular brush, 3" triangular brush, 9" squeegee tool, 14" curved lance, 8" curved lance, 3" detail lance, 2" round brush with spare nylon and brass bristles, soap container and one gallon of high temperature cleaner degreaser

## General Data – Cross-Reference

**Table 4. Goodway Cooling Tower Maintenance**

ServiceFirst Item Number	Goodway PN	Description	Voltage	Standard Features
TOL03257	CTV-1501-60	Cooling Tower Vacuum	1 1/2 HP, 115V, 60 Hz	Includes sediment filter, 15' intake and 25' discharge vinyl crush-proof hoses, 24" single bend wand, 36" extension tube, 6" gulper tool and storage bag.
TOL03258	CTV-1501A-60	Cooling Tower Vacuum	1 1/2 HP, 230V, 60 Hz	Includes sediment filter, 15' intake and 25' discharge vinyl crush-proof hoses, 24" single bend wand, 36" extension tube, 6" gulper tool and storage bag.
TOL02258	CTV-F2	Cooling Tower Vacuum Filter System	and dolly.	Includes (2) 5 micron media filters, (2) 25' hoses
TOL03154	TFC-100	Tower Fill Cleaner	5 amps @ 115V	Includes 35' chemical resistant hose spray gun hose foaming wands and extension wand and nozzles

**Table 5. Goodway Vacuums**

ServiceFirst Item Number	Goodway PN	Description	Voltage	Standard Features
TOL01896	EV-30	Commercial Wet-Dry Vacuum 16" floor brush, 16" squeegee, 3" dusting 2" crevice tool	1.6 HP, 115V, 60 Hz	Includes filter, 8.4 gallon stainless steel tank, 8 1/2' vinyl crush proof hose, three piece wand, brush and 9 1/2"
TOL01898	EV-30-H	Commercial H.E.P.A. Vacuum 16" squeegee, 3" dusting brush and 9 1/2" crevice tool. Dry use only	1.6 HP, 115V, 60 Hz	Includes 99.97% H.E.P.A. filter assembly, 10.6 gallon stainless steel tank, 8 1/2' vinyl crush proof hose, three piece wand, 16" floor brush, and 9 1/2"
TOL01897	EV-60-P	Commercial Pump-Out Vacuum	2 HP, 115V, 60 Hz use only	Includes 20.6 gallon stainless steel tank with internal pump, 8 1/2' vinyl crush proof hose, three piece wand and 16" squeegee tool. Wet

**Table 6. Fiberscope**

ServiceFirst Item Number	Goodway PN	Description
TOL02171	FS-10	FS tube scope 3,000 lux with 10' flexible image probe, 90 degree right angle view adapter and carrying case
TOL02815	FS-5FG	Fiberscope with 53" high definition glass probe, 90 degree right angle view adapter and carrying case



## RAM-4-60-R (TOL01746) Ream-A-Matic® Tube Cleaner

The RAM-4 tube cleaner is the fourth generation of the original rotary tube cleaner. This machine makes tough tube cleaning a simple, one-person operation. It is ideal for cleaning tubes/pipes ¼"-1" (6.4-25.4mm) I.D. in chillers, condensers, evaporators, absorption machines and heat ex-changers.

The RAM-4 uses a cleaning tool mounted to the tip of a flexible shaft. The unit feeds water through the casing to the cleaning tool, flushing out deposits as they are loosened.

The flexible shaft snakes through each tube, unaffected by any bends caused by sagging. All brushes and tools are designed not to cut into the tube wall or get stuck in the tube.

### Features/Benefits

- Simple to operate-minimal training required.
- Stainless steel construction - long life.
- Interchangeable cleaning tools – versatile
- Large wheels – easy to move
- Simultaneous water flush – re-moves deposits
- Foot switch activation – safe operation

### Included with purchase

- Mobile dolly
- Tool storage box
- Two-directional foot switch

### Accessories

Flexible shaft and brushes not included  
See general data section of catalog for accessory options

### Specifications

Flexible Shaft Speed:	862.5 rpm
Motor:	½ HP (0.4 kW)
Input Power:	9 amps, 115V
Dimensions:	37" high x 20" wide x 17" deep
Weight:	49 lbs net dry

NOTE: Flexible Shaft not included; sold separately

### RAM-4-60 Variations

ServiceFirst Item Number	Goodway PN	Voltage	Standard Features
TOL01747	RAM-4-60-C	1/2 HP, 115V, 60 HZ,	Includes tool storage box, single direction foot switch and heavy duty contractor dolly.
TOL01659	RAM-4-60	1/2HP, 115V, 60 HZ	Includes mobile dolly, tool storage box and foot switch.
TOL01787	RAM-4-60-R-C	1/2 HP 115V, 60 HZ,	Includes tool storage box, two-directional foot switch and contractor dolly.
TOL01741	RAM-4A-50	1/2 HP, 220V, 50 HZ	Includes mobile dolly, tool storage box and foot switch.
TOL01860	RAM-4-BASE-60	1/2 HP, 115V, 60 HZ	Includes tool storage box, and single directional foot switch.
TOL01861	RAM-4-BASE-60-R	1/2 HP, 115V, 60 HZ	Includes tool storage box and double directional foot switch.
TOL01734	RAM-4X-60-2	1HP, 115V, 60HZ	Includes mobile dolly, tool storage box, foot switch and 2:1 drive ratio
KIT12137	R4-TPC		R4TPC, Tube cleaning package for cleaning 5/8" & 15/16" ID tubes. Includes(1) TOL01746, (1) SHF02745, (25) BRU00177 & (30) BRU00262





## RAM-5SFVS-60-3 (TOL03254) Variable Speed-Feed Ream-A-Matic®

The RAM-5SF speed-feed tube cleaner makes tube cleaning quick and easy with its revolutionary speed-feed gun. It is the machine of choice among contractors and managers of buildings and facilities with large tube bundles. It will clean tubes up to four times faster than any other rotary tube cleaner.

Flexible shafts and Goodway blue nylon brushes are available for use with the speed-feed gun for removing soft deposits in straight tubes/pipes 9/16"-1" I.D. Other flexible shafts and accessories are available for use without the speed-feed gun for removing a variety of deposits in straight and curved tubes/pipes ¼"-1" I.D.

The RAM-5SF uses a cleaning tool mounted to the tip of a flexible shaft. The unit feeds water through the casing to the cleaning tool, flushing out deposits as they are loosened.

A gun controls shaft rotation and waterflow. Simply push the top of the trigger to rotate the flexible shaft in a clockwise direction and enter the tube. Push the bottom of the trigger to reverse the rotation and exit the tube. Shaft feed automatically stops at a preset distance when the brush reaches the end of the tube.

### Features/Benefits:

- 3' per second – reduced labor
- Simple to operate – minimal training required.
- Stainless steel construction – long life.
- Interchangeable cleaning tools – versatile
- Large wheels – easy to move.
- Simultaneous water flush –removes deposits.
- Trigger controlled operation – increased productivity.

### Included with purchase:

- Speed-feed gun
- 15' guide hose
- One set of shaft feeder gears for GTC-703 series flexible shafts
- Mobile dolly
- Tool storage box
- Foot switch

### Accessories:

See general data section of catalog for accessory options

**NOTE: Flexible Shaft sold separately**

### Specifications

Flexible Shaft Speed:	862.5 rpm
Speed-Feed Gun Rate:	3' per second
Speed-Feed Gun Push/Pull Force:	50 lbs
Motor:	1 hp
Input Power:	11 amps, 115V,
Dimension (1)	37" high x 20" wide x 17" deep
Weight:	75 lbs net dry

1. Dimensions exclude gun and guide hose.

### RAM-5SF-60-3 Variations

ServiceFirst Item Number	Goodway PN	Voltage	Standard Features
TOL03256	RAM-5SFVS-60-3-C	3/4 HP, 115V, 60 HZ	Includes speed-feed gun 15 ft. guide hose, one set of shaft feeder gears for GTC703 series flexible shafts, tool storage box, foot switch and heavy-duty contractor dolly.
TOL03255	RAM-5SFVS-60-3-BASE	3/4 HP, 115V, 60 HZ	Includes speed-feed gun 15 ft. guide hose, one set of shaft feeder gears for GTC703 series flexible shafts, tool storage box and single direction foot switch.



## RAM-6-60 (TOL01661) – High Flow Tube Cleaner

The RAM-6 tube cleaner is the ultimate rotary tube cleaning machine. When used with a dual diameter nylon or brass brush, the advanced features of this machine allow it to thoroughly clean even the most fouled internally enhanced tubes. This versatile unit features a full 1 1/2 hp (1.1 kW), variable speed drive motor, a cleaning solution injection system and a separate 500 psi (35 BAR) pump that delivers a 2.2 GPM (8.3 LPM) power flush. When cleaning internally enhanced tubes, the operator can adjust the shaft speed to match the internal spiral of the tube, causing the brush to be “self” propelled through the tube. It is ideal for removing both soft and hard deposits from internally enhanced as well as smooth bore tubes/ pipes ¼” – 1” (6.4-25.4 mm) I.D.

The RAM-6 uses a cleaning tool mounted to the tip of a flexible shaft. The unit feeds high pressure water through the casing to the cleaning tool, power flushing out deposits as they are loosened.

If the cleaning solution injection system is activated, the unit automatically feeds a mixture of cleaning solution and water through the casing to the cleaning tool as the shaft is fed into the tube. When the shaft direction is reversed, the unit switches to a water only power flush, leaving the tubes thoroughly cleaned.

### Cleaning Internally Enhanced Tubes:

The RAM-6 is equipped with a reversible motor for cleaning internally enhanced tubes. The two-direction foot switch permits forward rotation for entering the tubes and reverse rotation for exiting. While the design of the brush and the spiral in the tube cause the brush to be self propelled through the tube, the variable speed feature of the RAM-6 allows the operator to set the flexible shaft speed to match the natural feed rate of the spiral in the tube, preventing slip and allowing the brush to thoroughly clean both the lands and the groove of the tube.

### Features/Benefits

- Simple to operate – minimal training required
- Stainless Steel construction – long life
- Speed control – set shaft rotation of optimum speed for each application
- Interchangeable cleaning tools – versatile.
- Large pneumatic tires and heavy-duty contractor dolly – easy to move
- Simultaneous cleaning solution injection and water power flush up to 500 PSI at 2.2 GPM (35 BAR at 8.3 LPM) – removes deposits
- Foot switch activation – safe operation

### Included with purchase:

- Contractor dolly
- Tool storage box
- Two directional foot switch

### Accessories:

See general data section of catalog for accessory options.

### Specifications

Flexible Shaft Speed:	Variable, 200-800 rpm
Motor:	1 ½ hp (1.1 kW)
Input Power:	15 amps, 115V
Water Requirements:	Minimum 25 PSI at 2.2 GPM (1.7 BAR at 8.3 LPM)
Output Water Pressure:	Up to 500 PSI at 2.2 GPM (35 BAR at 8.3 LPM)
Dimensions:	23” high x 16” wide x 10” deep
Weight:	103 lbs. net dry





# Tube Cleaning Accessories

## Chiller Bib

**Chiller Bib**

ServiceFirst Item Number	Goodway PN	Description	Where Used
KIT09420	9401	Chiller Bib Bag	
FRM01483	9402	Chiller Bib Frame	
KIT09421	BIB-KIT-3	Chiller Bib Frame with Three Chiller Bib Bags	
KIT09422	BAG-KIT-1010	Chiller Bib Bags	

## Flexible Shafts



ServiceFirst Item Number	Goodway PN	Description	Description	Where Used
<b>Flexible Shafts (Nylon Casing) for Tubes 1/4" - 3/8" (6.4-9.5mm) I.D.</b>				
SHF02763	GTC-701-12	12' Flexible Shaft for 1/4" - 3/8" I.D. Tubes		All RAM models (RAM-5 in manual mode)
SHF02764	GTC-701-25	25' Flexible Shaft for 1/4" - 3/8" I.D. Tubes		All RAM models (RAM-5 in manual mode)
<b>Flexible Shafts (Nylon Casing) for Tubes 7/16" - 1/2" (11.1-12.7mm) I.D.</b>				
SHF02765	GTC-702-12	12' Flexible Shaft for 7/16" - 1/2" (11.1-12.7mm) I.D.		All RAM models (RAM-5 in manual mode)
SHF02766	GTC-702-17	17' Flexible Shaft for 7/16" - 1/2" (11.1-12.7mm) I.D.		All RAM models (RAM-5 in manual mode)
SHF02760	GTC-702-25	25' Flexible Shaft for tubes 7/16" - 1/2" (11.1-12.7mm) I.D.		All RAM models (RAM-5 in manual mode)
SHF02761	GTC-702-35	35' Flexible Shaft for tubes 7/16" - 1/2" (11.0-12.7mm) I.D.		All RAM models (RAM-5 in manual mode)
SHF02767	GTC-702-45	45' Flexible Shaft for 7/16" - 1/2" (11.1-12.7mm) I.D.		All RAM models (RAM-5 in manual mode)
SHF02985	GTC-702-35-RS	35' Flexible Shaft for RAM-5W/5FG-702 Gears		
<b>Flexible Shafts (Nylon Casing) for Tubes 7/16" - 1/2" (11.1-12.7mm) I.D. with quick connect fitting</b>				
SHF02768	GTC-702Q-12	12' Flexible Shaft for 7/16" - 1/2" (11.1-12.7mm) I.D. w/quick connect fittings		All RAM models (RAM-5 in manual mode) and quick connect brushes
SHF02769	GTC-702Q-17	17' Flexible Shaft for 7/16" - 1/2" (11.1-12.7mm) I.D. w/quick connect fittings		All RAM models (RAM-5 in manual mode) and quick connect brushes
SHF02770	GTC-702Q-25	25' Flexible Shaft for tubes 7/16" - 1/2" (11.1-12.7mm) I.D. w/quick connect fittings		All RAM models (RAM-5 in manual mode) and quick connect brushes
SHF02771	GTC-702Q-35	35' Flexible Shaft for tubes 7/16" - 1/2" (11.0-12.7mm) I.D. w/quick connect fittings		All RAM models (RAM-5 in manual mode) and quick connect brushes
SHF02772	GTC-702Q-45	45' Flexible Shaft for 7/16" - 1/2" (11.1-12.7mm) I.D. w/quick connect fittings		All RAM models (RAM-5 in manual mode) and quick connect brushes
<b>Flexible Shafts (Nylon Casing) for Tubes 9/16" - 1" (14.3-25.4mm) I.D.</b>				
SHF02773	GTC-703-12	12' Flexible Shaft		All RAM models (RAM-5 in manual mode)
SHF02762	GTC-703-17	17' Flexible Shaft		All RAM models (RAM-5 in manual mode)
SHF02734	GTC-703-25	25' Flexible Shaft		All RAM models (RAM-5 in manual mode)
SHF02735	GTC-703-35	35' Flexible Shaft		All RAM models (RAM-5 in manual mode)
SHF02736	GTC-703-35-R5	35' Flexible Shaft	Comes with the stop assembly for RAM 5	RAM-5 only
SHF02737	GTC-703-45	45' Flexible Shaft		All RAM models (RAM-5 in manual mode)
SHF02738	GTC-703-45-R5	45' Flexible Shaft	Comes with the stop assembly for RAM 5	RAM-5 only
SHF02774	GTC-703-60	60' Flexible Shaft		All RAM models (RAM-5 in manual mode)
SHF02739	GTC-703-60-R5	60' Flexible Shaft	Comes with the stop assembly for RAM 5	RAM-5 only
SHF02775	GTC-703-75	75' Flexible Shaft		All RAM models (RAM-5 in manual mode)
SHF02776	GTC-703-75-R5	75' Flexible Shaft		RAM-5 only
<b>Flexible Shafts (Nylon Casing) for Tubes 9/16-1: (14.3-25.4 mm) I.D. with quick connect fitting</b>				
SHF02777	GTC-703Q-12	12' Flexible Shaft with Quick Connect Fitting		All RAM models (RAM-5 in manual mode) and quick connect brushes
SHF02778	GTC-703Q-17	17' Flexible Shaft with Quick Connect Fitting		All RAM models (RAM-5 in manual mode) and quick connect brushes
SHF02745	GTC-703Q-25	25' Flexible Shaft with Quick Connect Fitting		All RAM models (RAM-5 in manual mode) and quick connect brushes
SHF02746	GTC-703Q-35	35' Flexible Shaft with Quick Connect Fitting		All RAM models (RAM-5 in manual mode) and quick connect brushes
SHF02747	GTC-703Q-35-R5	35' Flexible Shaft with Quick Connect Fitting		RAM-5 only
SHF02779	GTC-703Q-45	45' Flexible Shaft with Quick Connect Fitting		All RAM models (RAM-5 in manual mode) and quick connect brushes
SHF02748	GTC-703Q-45-R5	45' Flexible Shaft with Quick Connect Fitting		RAM-5 only
SHF02780	GTC-703Q-60	60' Flexible Shaft with Quick Connect Fitting		All RAM models (RAM-5 in manual mode)

## Flexible Shafts

### Flexible Shafts (Continued)

ServiceFirst Item Number	Goodway PN	Description	Description	Where Used
<b>Flexible Shafts (Nylon Casing) for Tubes 11/16"-1" (17.5-25.4 mm) I.D.</b>				
SHF02781	GTC-704-12	12' Flexible Shaft		All RAM models (RAM-5 in manual mode)
SHF02782	GTC-704-17	17' Flexible Shaft		All RAM models (RAM-5 in manual mode)
SHF02741	GTC-704-25	25' Flexible Shaft		All RAM models (RAM-5 in manual mode)
SHF02742	GTC-704-35	35' Flexible Shaft		All RAM models (RAM-5 in manual mode)
SHF02783	GTC-704-35-R5	35' Flexible Shaft with Quick Connect Fitting	Comes with the stop assembly for RAM 5 RAM-5 only	
SHF02743	GTC-704-45	45' Flexible Shaft		All RAM models (RAM-5 in manual mode)
SHF02784	GTC-704-45-R5	45' Flexible Shaft with Quick Connect Fitting	Comes with the stop assembly for RAM 5 RAM-5 only	
SHF02785	GTC-704-60	60' Flexible Shaft		All RAM models (RAM-5 in manual mode)
SHF02786	GTC-704-60-R5	60' Flexible Shaft with Quick Connect Fitting	Comes with the stop assembly for RAM 5 RAM-5 only	
SHF02787	GTC-704-75	75' Flexible Shaft		All RAM models (RAM-5 in manual mode)
<b>Flexible Shafts (Nylon Casing) for Tubes 11/16"-1" (17.5-25.4 mm) I.D. with quick connect fittings</b>				
SHF02788	GTC-704Q-12	12' Flexible Shaft with Quick Connect Fitting		All RAM models (RAM-5 in manual mode) and quick connect brushes
SHF02789	GTC-704Q-17	17' Flexible Shaft with Quick Connect Fitting		All RAM models (RAM-5 in manual mode) and quick connect brushes
SHF02751	GTC-704Q-25	25' Flexible Shaft with Quick Connect Fitting		All RAM models (RAM-5 in manual mode) and quick connect brushes
SHF02752	GTC-704Q-35	35' Flexible Shaft with Quick Connect Fitting		All RAM models (RAM-5 in manual mode) and quick connect brushes
SHF02790	GTC-704Q-35-R5	35' Flexible Shaft with Quick Connect Fitting	Comes with the stop assembly for RAM 5	RAM-5 only
SHF02753	GTC-704Q-45	45' Flexible Shaft with Quick Connect Fitting		All RAM models (RAM-5 in manual mode) and quick connect brushes
SHF02791	GTC-704Q-45-R5	45' Flexible Shaft with Quick Connect Fitting	Comes with the stop assembly for RAM 5 RAM-5 only	
SHF02792	GTC-704Q-60	60' Flexible Shaft with Quick Connect Fitting		All RAM models (RAM-5 in manual mode) and quick connect brushes
SHF02793	GTC-704Q-60-R5	60' Flexible Shaft with Quick Connect Fitting	Comes with the stop assembly for RAM 5	RAM-5 only
<b>Flexible Shafts for Tubes 1" I.D. and up</b>				
SHF02909	GTC-720-15	15' Flexible Shaft for tubes 1" I.D. and up		RAM-4X models
SHF02915	GTC-720-25	Flexible Shaft 25' with Nylon casing for tubes 1" I.D. and up		RAM-4X models
SHF02980	GTC-721-25	Flexible shaft 25' for tubes 1" I.D. and up		
SHF03026	GTC-720-35	Flexible shaft 35' with nylon casing for tubes 1" I.D. and up		
SHF03027	GTC-720-50	Flexible shaft 50' with nylon casing for tubes 1" I.D. and up		

## Enhanced Tube Brushes



The “Rebel™” dual diameter brass brush is recommended for removing soft and light scale deposits in straight, ferrous and nonferrous internally enhanced tubes. The larger diameter end of this brush cleans into the grooves while its small diameter end cleans the lands of the tubes rifling. Available in bags of 25 only.



***EBB brushes available in quantities of 25 only.***

### ***The “Rebel™” Dual Diameter Brass Brush for tubes 5/8” (15.9 mm) I.D.***

ServiceFirst Item Number	Goodway PN	Description	Where Used
<b>Brushes</b>			
BRU00174	EBB-062	5/8 Brass Dual Diameter Brush	All RAM models (RAM-5 in manual mode)
BRU00182	EBB-062-Q	5/8 Brass Dual Diameter Brush with quick connect fitting.	All RAM models (RAM-5 in manual mode)



The “Patriot™” dual diameter nylon brush is recommended for removing soft deposits in straight ferrous internally enhanced tubes. The large diameter end of this brush cleans into the grooves while its small diameter end cleans the lands of the tubes.



***ENN brushes available in quantities of 25 only.***

### ***The “Patriot™” Dual Diameter Nylon Brush for tubes 5/8” (15.9 mm) I.D.***

ServiceFirst Item Number	Goodway PN	Description	Where Used
<b>Brushes</b>			
BRU00175	ENN-062	5/8 Dual Diameter Enhanced Nylon Brush	All RAM models (RAM-5 in manual mode)
BRU00183	ENN-062-Q	5/8 Dual Diameter Enhanced Nylon Brush with quick connect fitting.	All RAM models (RAM-5 in manual mode)
BRU00324	ENN-090	1” Dual Diameter Enhanced Nylon Brush	All RAM models (RAM-5 in manual mode)
BRU00448	ENN-090-Q	1” Dual Diameter Enhanced Nylon Brush with quick connect fitting	All RAM models (RAM-5 in manual mode)

## Nylon Brushes



The "GTC" blue nylon brushes are recommended for removing soft deposits (mud, algae, etc.) in straight, ferrous and nonferrous tubes. Brush should be equal to or 1/16" (1.6 mm) smaller than the tube I.D.



***GTC-211 brushes available in quantities of 15 or 25 only. See table below.***

### ***"GTC" brushes for smooth bore tubes***

ServiceFirst Item Number	Min. Req'd	Goodway PN	Description	Where Used
<b>Brushes - Nylon Under 1"</b>				
BRU00189	15	GTC-211-1	1" Blue Nylon Brush	All RAM models
BRU00188	15	GTC-211-1/2"	1/2" Blue Nylon Brush	All RAM models
BRU00202	15	GTC-211-1/4	1/4" Blue Nylon Brush	All RAM models
BRU00170	25	GTC-211-11/16	11/16 Blue Nylon Brush	All RAM models
BRU00203	15	GTC-211-13/16	13/16" Blue Nylon Brush	All RAM models
BRU00204	15	GTC-211-15/16	15/16" Blue Nylon Brush	All RAM models
BRU00171	25	GTC-211-3/4	3/4" Blue Nylon Brush	All RAM models
BRU00186	15	GTC-211-3/8	3/8" Blue Nylon Brush	All RAM models
BRU00259	15	GTC-211-5/16	5/16" Blue Nylon Brush	All RAM models
BRU00169	25	GTC-211-5/8	5/8" Blue Nylon Brush	All RAM models
BRU00205	15	GTC-211-7/16	7/16" Blue Nylon Brush	All RAM models
BRU00206	15	GTC-211-7/8	7/8" Blue Nylon Brush	All RAM models
BRU00168	25	GTC-211-9/16	9/16" Blue Nylon Brush	All RAM models
BRU00187	15	GTC-211Q-1	1" Blue Nylon Brush with quick connect fittings.	All RAM models with quick connect flexible shaft
BRU00260	15	GTC-211Q-1/2	1/2" Blue Nylon Brush with quick connects fittings	All RAM models with quick connect flexible shaft
BRU00178	25	GTC-211Q-11/16 1	1/16" Blue Nylon Brush with quick connect fittings	All RAM models with quick connect flexible shaft
BRU00261	15	GTC-211Q-13/16	13/16" Blue Nylon Brush with quick connect fittings	All RAM models with quick connect flexible shaft
BRU00262	15	GTC-211Q-15/16	15/16" Blue Nylon Brush with quick connect fittings	All RAM models with quick connect flexible shaft
BRU00179	25	GTC-211Q-3/4	3/4" Blue Nylon Brush with quick connect fittings	All RAM models with quick connect flexible shaft
BRU00177	25	GTC-211Q-5/8	5/8" Blue Nylon Brush with quick connect fittings	All RAM models with quick connect flexible shaft
BRU00263	15	GTC-211Q-7/16	7/16" Blue Nylon Brush with quick connect fittings	All RAM models with quick connect flexible shaft
BRU00264	15	GTC-211Q-7/8	7/8" Blue Nylon Brush with quick connect fittings	All RAM models with quick connect flexible shaft
BRU00176	25	GTC-211Q-9/16	9/16" Blue Nylon Brush with quick connect fittings	All RAM models with quick connect flexible shaft

## Spin Grit Brushes



The (Spin-Grit) brushes are recommended for removing soft and light scale deposits in straight, ferrous and nonferrous tubes. The abrasive impregnated nylon bristles of the brush clean and polish tubes in one step. Unlike regular spiral brushes, Spin-Grit is designed to be oversized in the tube so that the bristles lay over, putting the abrasive in contact.

***ESGB and SGB brushes available in quantities of 15 only.***

### ***“SGB and ESGB” Spin-grit Brushes***

ServiceFirst Item Number	Min. Req'd	Goodway PN	Description	Where Used
BRU00193	15	ESGB-050	Dual Diameter Spin-Grit Brush for tubes 1/2" (12.7mm) I.D.	All RAM models (RAM-5 in manual mode)
BRU00184	15	ESGB062	Dual Diameter Spin-Grit Brush for tubes 5/8" I.D.	All RAM models (RAM-5 in manual mode)
BRU00194	15	ESGB-075	Dual Diameter Spin-Grit Brush for tubes 3/4" (19.1mm) I.D.	All RAM models (RAM-5 in manual mode)
BRU00190	15	ESGB-100	Dual Diameter Spin-Grit Brush for tubes 1" (2.4mm) I.D.	All RAM models (RAM-5 in manual mode)
BRU00213	15	ESGB-125	Spin-Grit Brush enhanced for 1 1/4" I.D. tubes	All RAM models (RAM-5 in manual mode)
BRU00214	15	ESGB-Q-050	Spin-Grit Brush enhanced for 1/2" I.D. tubes w/quick connect fittings	All RAM models (RAM-5 in manual mode) and quick connect brushes
BRU00215	15	ESGB-Q-062	Spin-Grit Brush enhanced for 5/8" I.D. tubes w/quick connect fittings	All RAM models (RAM-5 in manual mode) and quick connect brushes
BRU00216	15	ESGB-Q-075	Spin-Grit Brush enhanced for 3/4" I.D. tubes and w/ quick connect fittings	All RAM models (RAM-5 in manual mode) quick connect brushes
BRU00217	15	ESGB-Q-100	Spin-Grit Brush enhanced for 1" I.D. tubes w/quick connect fittings	All RAM models (RAM-5 in manual mode) and quick connect brushes
BRU00218	15	ESGB-Q-125	Spin-Grit Brush enhanced for 1 1/4" I.D. tubes w/quick connect fittings	All RAM models (RAM-5 in manual mode) and quick connect brushes
BRU00207	15	SGB-050	Spin-Grit Brush for tubes 1/4" - 3/8" (6.4-9.5mm) I. D.	All RAM models (RAM-5 in manual mode)
BRU00172	15	SGB-075	Spin-Grit Brush for tubes 7/16" - 5/8" I.D.	All RAM models (RAM-5 in manual mode)
BRU00173	15	SGB-100	Spin-Grit Brush for tubes 11/16" - 3/4" I.D.	All RAM models (RAM-5 in manual mode)
BRU00191	15	SGB-125	Spin-Grit Brush for tubes 13/16" - 1" (20.6-25.4MM) I.D.	All RAM models (RAM-5 in manual mode)
BRU00180	15	SGB-Q-075	Spin-Grit Brush for tubes 7/16" - 5/8" I.D. with quick connect fittings	All RAM models (RAM-5 in manual mode) and quick connect brushes
BRU00181	15	SGB-Q-100	Spin-Grit Brush for tubes 11/16" - 3/4" I.D. with quick connect fittings	All RAM models (RAM-5 in manual mode) and quick connect brushes
BRU00266	15	SGB-Q-125	Spin-Grit Brush for 13/16" tubes w/quick connect fittings	All RAM models (RAM-5 in manual mode) and quick connect brushes

## Brass Brushes



Brass brushes are recommended for removing soft and light scale deposits in straight, ferrous and nonferrous tubes. Brush should be equal to or 1/16" smaller than tube I.D.

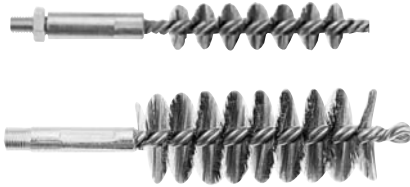
***GTC-200B brushes available in quantities of 15 only.***

### Brushes - Brass

ServiceFirst Item Number	Min. Req'd	Goodway PN	Description	Where Used
BRU00219	15	GTC-200B-1	Brass brush for 1" tubes	All RAM models (RAM-5 in manual mode)
BRU00220	15	GTC-200B-1/2	Brass brush for 1/2" tubes	All RAM models (RAM-5 in manual mode)
BRU00221	15	GTC-200B-1/4	Brass brush for 1/4" tubes	All RAM models (RAM-5 in manual mode)
BRU00197	15	GTC-200B-11/16	Brass brush for 11/16" tubes	All RAM models (RAM-5 in manual mode)
BRU00198	15	GTC-200B-13/16	Brass brush for 13/16" tubes	All RAM models (RAM-5 in manual mode)
BRU00199	15	GTC-200B-15/16	Brass brush for 15/16" tubes	All RAM models (RAM-5 in manual mode)
BRU00222	15	GTC-200B-3/4	Brass brush for 3/4" tubes	All RAM models (RAM-5 in manual mode)
BRU00223	15	GTC-200B-3/8	Brass brush for 3/8" tubes	All RAM models (RAM-5 in manual mode)
BRU00224	15	GTC-200B-5/16	Brass brush for 5/16" tubes	All RAM models (RAM-5 in manual mode)
BRU00192	15	GTC-200B-5/8"	Brass brush for 5/8" tubes	All RAM models (RAM-5 in manual mode)
BRU00225	15	GTC-200B-7/16	Brass brush for 7/16" tubes	All RAM models (RAM-5 in manual mode)
BRU00200	15	GTC-200B-7/8	Brass brush for 7/8" tubes	All RAM models (RAM-5 in manual mode)
BRU00201	15	GTC-200B-9/16	Brass brush for 9/16" tubes	All RAM models (RAM-5 in manual mode)
BRU00226	15	GTC-200BQ-1	Brass brush for 1" tubes w/quick connect fittings	All RAM models (RAM-5 in manual mode) with quick connect flexible shaft
BRU00227	15	GTC-200BQ-1/2	Brass brush for 1/2" tubes w/ quick connect fittings	All RAM models (RAM-5 in manual mode) with quick connect flexible shaft
BRU00228	15	GTC-200BQ-11/16	Brass brush for 11/16" tubes w/quick connect fittings	All RAM models (RAM-5 in manual mode) with quick connect flexible shaft
BRU00229	15	GTC-200BQ-13/16	Brass brush for 13/16" tubes w/ quick connect fittings	All RAM models (RAM-5 in manual mode) with quick connect flexible shaft
BRU00230	15	GTC-200BQ-15/16	Brass brush for 15/16" tubes w/ quick connect fittings	All RAM models (RAM-5 in manual mode) with quick connect flexible shaft
BRU00231	15	GTC-200BQ-3/4	Brass brush for 3/4" tubes w/quick connect fittings	All RAM models (RAM-5 in manual mode) with quick connect flexible shaft
BRU00232	15	GTC-200BQ-5/8	Brass brush for 5/8" tubes w/quick connect fittings	All RAM models (RAM-5 in manual mode) with quick connect flexible shaft
BRU00233	15	GTC-200BQ-7/16	Brass brush for 7/16" tubes w/quick connect fittings	All RAM models (RAM-5 in manual mode) with quick connect flexible shaft
BRU00234	15	GTC-200BQ-7/8	Brass brush for 7/8" tubes w/ quick connect fittings	All RAM models (RAM-5 in manual mode) with quick connect flexible shaft
BRU00235	15	GTC-200BQ-9/16	Brass brush for 9/16" tube w/quick connect fittings	All RAM models (RAM-5 in manual mode) with quick connect flexible shaft



## Stainless Brushes



Stainless Steel Brushes are recommended for removing soft and light scale deposits in straight ferrous tubes. Brush should be equal to or 1/16" smaller than the tube I.D.

***GTC-210 brushes available in quantities of 15 only.***

### Stainless Steel Brushes

ServiceFirst Item Number	Min Req'd	Goodway PN	Description
BRU00236	15	GTC-210-1	Stainless steel brush for 1" tubes
BRU00237	15	GTC-210-1/2	Stainless steel brush for 1/2" tubes
BRU00238	15	GTC-210-1/4	Stainless steel brush for 1/4" tubes
BRU00239	15	GTC-210-11/16	Stainless steel brush for 11/16" tubes
BRU00240	15	GTC-210-13/16	Stainless steel brush for 13/16" tubes
BRU00241	15	GTC-210-15/16	Stainless steel brush for 15/16" tubes
BRU00242	15	GTC-210-3/4	Stainless steel brush for 3/4" tubes
BRU00243	15	GTC-210-3/8	Stainless steel brush for 3/8" tubes
BRU00244	15	GTC-210-5/16	Stainless steel brush for 5/16" tubes
BRU00245	15	GTC-210-5/8	Stainless steel brush for 5/8" tubes
BRU00246	15	GTC-210-7/16	Stainless steel brush for 7/16" tubes
BRU00247	15	GTC-210-7/8	Stainless steel brush for 7/8" tubes
BRU00248	15	GTC-210-9/16	Stainless steel brush for 9/16" tubes
BRU00249	15	GTC-210Q-1	Stainless steel brush for 1" tubes w/quick connect fittings
BRU00250	15	GTC-210Q-1/2	Stainless steel brush for 1/2" tubes w/quick connect fittings
BRU00251	15	GTC-210Q-11/16	Stainless steel brush for 11/16" tubes w/quick connect fittings
BRU00252	15	GTC-210Q-13/16	Stainless steel brush for 13/16" tubes w/quick connect fittings
BRU00253	15	GTC-210Q-15/16	Stainless steel brush for 15/16" tubes w/quick connect fittings
BRU00254	15	GTC-210Q-3/4	Stainless steel brush for 3/4" tubes w/quick connect fittings
BRU00255	15	GTC-210Q-5/8	Stainless steel brush for 5/8" tubes w/quick connect fittings
BRU00256	15	GTC-210Q-7/16	Stainless steel brush for 7/16" tubes w/quick connect fittings
BRU00257	15	GTC-210Q-7/8	Stainless steel brush for 7/8" tubes w/quick connect fittings
BRU00258	15	GTC-210Q-9/16	Stainless steel brush for 9/16" tubes w/quick connect fittings



## Miscellaneous Cleaning Tools



Stainless steel wire buffing tools are used for removing light to medium scale deposits or for finishing tubes previously "roughed out" with other cleaning tools. They can be used in straight, ferrous and nonferrous tubes. Buffing tools can only be used in a clockwise direction and cannot be used in internally enhanced tubes.

Triangular scraper tools are used for removing heavy scale deposits in straight, ferrous tubes. They can only be used in a clockwise direction and cannot be used in internally enhanced tubes.

### Adjustable Buffing Tool and Scraper Tool

ServiceFirst Item Number	Goodway PN	Description	Where Used
TOL01710	GTC-203	Cutting/Buffering Tool 5/16" - 3/8" I.D. tubes	All RAM models (RAM-5 in manual mode)
TOL01711	GTC-203DT	Cutting/Buffering tool 5/16" - 3/8" I.D. tubes	All RAM models (RAM-5 in manual mode)
TOL01680	GTC-204	Stainless Steel Wire buffing tool for tubes - 3/8" - 1/2" (9.5-12.7mm) I. D.	All RAM models (RAM-5 in manual mode)
TOL01664	GTC-204-DT	Buffing Tool for tubes 3/8"-1/2" (I.D.) with drill tip	All RAM models (RAM-5 in manual mode)
TOL01712	GTC-204Q	Cutting/Buffering tool 3/8" - 1/2" I.D. tubes w/quick connect fittings	All RAM models (RAM-5 in manual mode)
TOL01681	GTC-205	Stainless Steel Wire buffing tool for tubes - 1/2" - 9/16" (12.7-14.3) I.D.	All RAM models (RAM-5 in manual mode)
TOL01665	GTC-205-DT	Buffing Tool for tubes 1/2"-9/16" (I.D.) with drill tip	All RAM models (RAM-5 in manual mode)
TOL01713	GTC-205Q	Cutting/Buffering tool 1/2" - 9/16" I.D. tubes w/quick connect fittings	All RAM models (RAM-5 in manual mode)
TOL01714	GTC-205Q-DT	Cutting/Buffering tool 1/2" - 9/16" I.D. tubes w/quick connect fittings & drill tip	All RAM models (RAM-5 in manual mode)
TOL01682	GTC-206	Stainless Steel Wire buffing tool for tubes - 5/8" - 1" (15.9-25.4mm) I.D.	All RAM models (RAM-5 in manual mode)
TOL01667	GTC-206-DT	Buffing Tool for tubes 5/8"-1" (I.D.) with drill tip	All RAM models (RAM-5 in manual mode)
TOL01715	GTC-206Q	Cutting/Buffering tool for 5/8" - 1" I.D. tubes w/quick connect fittings	All RAM models (RAM-5 in manual mode)
TOL01716	GTC-206Q-DT	Cutting/Buffering tools for 5/8" - 1" I.D. tubes w/quick connect fittings and drill tip	All RAM models (RAM-5 in manual mode)
BLD01014	GTC-207	Replacement blades for GTC-203 and GTC-204	All GTC-203 and GTC-204 Buffing tools
BLD01015	GTC-208A	Replacement blades for GTC-205	All GTC-205 Buffing Tools
BLD01016	GTC-208B	Replacement blades for GTC-206	All GTC-206 Buffing Tools
TOL01717	GTC-209	Adjusting jig for GTC-203(DT) and GTC-204(DT)	All GTC-203 and GTC-204 Buffing tools
TOL01666	TST-500	Triangular Scraper Tool 5/8-1" I.D.	All RAM models (RAM-5 in manual mode)
TOL03333	TST-750	Rotary Scraper Tool 3/4-1" I.D.	All RAM models (RAM-5 in manual mode)



Flex-hone abrasive tools are light pressure, soft application honing devices for cleaning straight, ferrous tubes. They consist of 180 grit silicon carbide abrasive globules (stones) bonded to

high density nylon filaments. Order tool to correspond to tube I.D. Note: Flex-Hone abrasive tools are normally used with a water flush for maximum life.

### Flex Hone Abrasive Tools

ServiceFirst Item Number	Goodway PN	Description	Where Used
TOL01700	FHT-025	1/4" flex hone	All RAM models (RAM-5 in manual mode)
TOL01701	FHT-031	5/16" flex hone	All RAM models (RAM-5 in manual mode)
TOL01702	FHT-037	3/8" flex hone	All RAM models (RAM-5 in manual mode)
TOL01703	FHT-043	7/16" flex hone	All RAM models (RAM-5 in manual mode)
TOL01704	FHT-050	1/2" flex hone	All RAM models (RAM-5 in manual mode)
TOL01705	FHT-056	9/16" flex hone	All RAM models (RAM-5 in manual mode)
TOL01698	FHT-062	5/8" flex hone	All RAM models (RAM-5 in manual mode)
TOL01706	FHT-068	11/16" flex hone	All RAM models (RAM-5 in manual mode)
TOL01707	FHT-075	3/4" flex hone	All RAM models (RAM-5 in manual mode)
TOL01708	FHT-087	7/8" flex hone	All RAM models (RAM-5 in manual mode)
TOL01709	FHT-100	1" flex hone	All RAM models (RAM-5 in manual mode)
TOL01924	FHT-043-Q	7/16" flex hone with quick connect	All RAM models (RAM-5 in manual mode)
TOL01925	FHT-050-Q	1/2" flex hone with quick connect	All RAM models (RAM-5 in manual mode)
TOL01926	FHT-056-Q	9/16" flex hone with quick connect	All RAM models (RAM-5 in manual mode)
TOL01927	FHT-062-Q	5/8" flex hone with quick connect	All RAM models (RAM-5 in manual mode)
TOL01928	FHT-068-Q	11/16" flex hone with quick connect	All RAM models (RAM-5 in manual mode)
TOL01929	FHT-075-Q	3/4" flex hone with quick connect	All RAM models (RAM-5 in manual mode)
TOL01930	FHT-087-Q	7/8" flex hone with quick connect	All RAM models (RAM-5 in manual mode)
TOL01931	FHT-100-Q	1" flex hone with quick connect	All RAM models (RAM-5 in manual mode)

## Miscellaneous Cleaning Tools



U-Tube Tools consist of brushes or grinding tip permanently mounted on 18" sections of flexible shafts. They are designed to snake partially through each side of a u-bend, to thoroughly clean from both sides.

### Cup Brush Tools - Brass or Stainless Steel

ServiceFirst Item Number	Goodway PN	Description	Where Used
BRU00208	CBT-075B	Brass Cup Brush for tubes 1/2" - 3/4" I.D.	All RAM models (RAM-5 in manual mode)
BRU00209	CBT-075B-Q	Brass Cup Brush for tubes 1/2" - 3/4" I.D. w/quick connect fittings	All RAM models (RAM-5 in manual mode) with quick connect flexible shaft
BRU00210	CBT-075S	Stainless Steel Cup Brush for tubes 1/2" - 3/4" I.D.	All RAM models (RAM-5 in manual mode)
BRU00211	CBT-075S-Q	Stainless Steel Cup Brush for tubes 1/2" - 3/4" I.D. w/quick connect fittings	All RAM models (RAM-5 in manual mode) with quick connect flexible shaft



Carbide drills are recommended for cleaning straight, ferrous tubes plugged solidly with deposit.

### Carbide Drills

ServiceFirst Item Number	Goodway PN	Description	Where Used
TOL01718	PTB-025	1/4" Carbide Drill	All RAM models (RAM-5 in manual mode)
TOL01719	PTB-037	3/8" Carbide Drill	All RAM models (RAM-5 in manual mode)
TOL01720	PTB-043	7/16" Carbide Drill	All RAM models (RAM-5 in manual mode)
TOL01721	PTB-050	1/2" Carbide Drill	All RAM models (RAM-5 in manual mode)
TOL01722	PTB-050-Q	1/2" Carbide Drill w/quick connect fitting	All RAM models (RAM-5 in manual mode) with quick connect flexible shaft
TOL01697	PTB-056	9/16" Carbide Drill	All RAM models (RAM-5 in manual mode)
TOL01723	PTB-062	5/8" Carbide Drill	All RAM models (RAM-5 in manual mode)
TOL01724	PTB-062-Q	5/8" Carbide Drill w/quick connect fitting	All RAM models (RAM-5 in manual mode) with quick connect flexible shaft
TOL01725	PTB-068	11/16 Carbide Drill	All RAM models (RAM-5 in manual mode)

## Miscellaneous



### Two-direction foot switch

ServiceFirst Item Number	Goodway PN	DESCRIPTION	Where Used
SWT02435	834R	Two-direction foot switch for RAM-4-60	RAM-4-60
SWT02455	834R-SF	Two-directional foot switch for use with RAM-5	RAM-5SF VS

Note: Foot switch allows user to clean internally enhanced tubes



Flexible shaft repair kits include 4 drive end repair couplings, 4 thrust washers, 4 tool end repair couplings, 1 crimping tool with punch, 1 flexible shaft lubricator with quick disconnect, and 2 bottles (16 ounces) [0.5 liter] each of lubricant for flexible shaft lubricator.

### Flexible Shaft Maintenance and Repair

ServiceFirst Item Number	Goodway PN	Description	Where Used
<b>Repair Kits</b>			
KIT07643	REP-701-KIT	Repair Kit for GTC701 Shafts	GTC-701 series flexible shafts
KIT07644	REP-702-KIT	Repair Kit for GTC702 Shafts	GTC-702 series flexible shafts
KIT07646	REP-702Q-KIT	Repair Kit for GTC702 Shafts w/quick connect fittings	GTC-702Q series flexible shafts
SHF02740	REP-703-KIT	Repair Kit for GTC-703 shafts	GTC-703 series flexible shafts
SHF02750	REP-703Q-KIT	Repair Kit for GTC703 Shafts w/quick connect fittings	GTC-703Q series flexible shafts
SHF02744	REP-704-KIT	Repair Kit for GTC-704 shafts	GTC-704 series flexible shafts
SHF02754	REP-704Q-KIT	Repair Kit for GTC704 Shafts w/quick connect fittings	GTC-704Q series flexible shafts
<b>Repair Couplings &amp; Tools</b>			
CPL00982	713-1	Drive End Repair Crimp Coupling for GTC-701 shafts	GTC-701 series flexible shafts
CPL00983	713-2	Drive End Repair Crimp Coupling for GTC-702 shafts	GTC-702 series flexible shafts
CPL00975	713-3	Crimp Coupling, drive-end for GTC-703 Shafts	GTC-703 series flexible shafts
CPL00984	713-4	Drive End Repair Clamp Coupling for GTC-720, GTC-721, GTC-721G and GTC-821 Shafts	GTC-720 and 820 series flexible shafts
CPL00976	713-5	Crimp Coupling, drive-end for GTC-704 Shafts	GTC-704 series flexible shafts
WAS01026	715-1	Thrust washer for GTC-701, 702 & 703 Shafts	GTC-701, 702 and 703 series flexible shafts
WAS01027	715-6	Thrust washer for GTC-704 shafts	GTC-704 series flexible shafts
CPL00985	717-1	Tool End Repair Crimp Coupling for GTC-701 shafts	GTC-701 series flexible shafts
CPL00986	717-2	Tool End Repair Crimp Coupling for GTC-702 shafts	GTC-702 series flexible shafts
CPL00990	717-2Q	Crimp Coupling for GTC-702 quick connect shafts	GTC-702Q series flexible shafts
CPL00977	717-3	Crimp Coupling, tool-end for GTC-703 Shafts	GTC-703 series flexible shafts
CPL00978	717-3Q	Crimp Coupling for GTC-703 quick connect shafts	GTC-703Q series flexible shafts
CPL00987	717-4	Tool End Repair Crimp Coupling for GTC-720, GTC-721, GTC-721G and GTC-821 Shafts	GTC-720 and 820 series flexible shafts
CPL00979	717-6	Crimp Coupling, tool-end for GTC-704 Shafts	GTC-704 series flexible shafts
CPL00980	717-6Q	Crimp Coupling for GTC-704 quick connect shafts	GTC-704Q series flexible shafts
TOL01684	GTC-CT5	Crimping Tool with punch for flexible shaft repair	Fits all flexible shafts
TOL01696	GTC-CTP	Replacement punch for GTC-CT5	For use with GTC-CT5
<b>Shaft Maintenance</b>			
TOL01699	GSL-705	Flexible Shaft Lubricator	GTC-701, 702, 703 and 704 series flexible shafts
LUB00039	GSL-LU1	16 oz. bottle of Flexible Shaft lubricator fluid	For use with GSL-705
PLU00923	GTC-705-8	Sight glass plug for GSL-705 lubricator	For use with GSL-705



## GPW-1200 – (TOL01679) – Portable Pressure Washer 1200 psi @ 1.8 gpm

The GPW-1200 portable pressure washer is designed to be carried easily up ladders and into tight locations. The unit is ideal for a wide range of applications, from cleaning HVAC drip pans in ceilings to delicate air conditioning coils on rooftops.

Pressure washing is an efficient and cost-effective method of cleaning a variety of surfaces and equipment found in most facilities. High-pressure washing should be considered as a viable cleaning option since it is a fast, easy and effective way to remove unwanted soil, oil, grease, gun, mildew, mold, debris and discoloration from most surfaces.

When comparing pressure washers, look at the following:

Pounds Per Square Inch (PSI), the measurement of water pressure. The

greater the psi, the better the cleaning efficiency.

Gallons Per Minute (GPM) which refers to the water flow rate.

Cleaning Units (CU) is the water pressure multiplied by the water flow. A higher number means more power.

**Features/Benefits:**

- Stainless steel construction – long life
- Steel reinforced hose – rugged
- Stainless steel wand – durable
- Variable pressure nozzle – matches application
- Can use hot water – additional cleaning power
- Soap container – easy injection of chemicals

**Included with Purchase:**

- 3' wand
- 25' hi-pressure hose
- Variable pressure nozzle
- Soap container

**Specifications**

Motor:	1.7 hp, 15 amps, 115V
Output Water Pressure:	1,200 psi @ 1.8 GPM
Pump:	Triplex plunger running in oil bath
Dimensions:	10 1/2" high x 15" wide x 9" deep
Weight:	41 lbs net dry



## GPW-1000-60 – (TOL01726) – Pressure Washer 1000 psi @ 2.2 gpm

The GPW-1000 pressure washer replaces inefficient cleaning methods with economical pressure washing. The unit saves labor, decreases downtime and reduces costs. Designed for easy handling, transport and storage, it is the best compact pressure washer in its class.

**Features/Benefits:**

- Stainless steel construction – long life
- Steel reinforced hose – rugged
- Stainless steel wand – durable

- Five quick disconnect nozzles – matches application
- Can use hot water – additional cleaning power
- Soap container – easy injection of chemicals

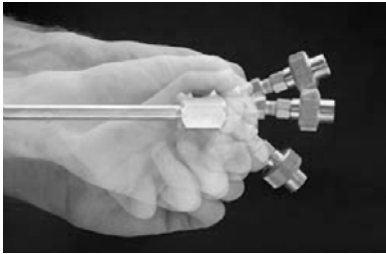
**Included with Purchase:**

- 3' wand
- 25' high pressure hose
- Five (5) quick disconnect nozzles
- Soap container
- Dolly

**Specifications**

Motor:	1 1/2 hp, 15 amps, 115V
Output Water Pressure:	1,000 psi @ 2.2 GPM
Pump:	Twin-piston cast iron
Dimensions:	37" high x 20" wide x 17" deep
Weight:	83 lbs net dry

# Miscellaneous



All Purpose cleaner is for all pressure washer models. An excellent biodegradable grease emulsifier. Specially designed to be used with pressure washers.

Multi-Jet Nozzle has four spray patterns: 0 degree solid jet for concentrated cleaning, 15 degree flat spray for general cleaning, 40 degree flat spray for large area cleaning and 15 degree low pressure for soap application. Delivers 800 PSI maximum pressure.

Universal Swivel Fittings attaches to the end of wand to adapt nozzles for spraying at angles.

Water supply hose is 50' and is made of top grade abrasion resistant rubber and heavy-duty machined brass fittings. Provides higher waterflow than conventional 1/2" I.D. hoses.

**Pressure Washer Accessories**

ServiceFirst Item Number	Goodway PN	Description	Where Used
SOV0029	APC100-1	One-Gallon Bottle of cleaner/degreaser for pressure washers	
NOZ00821	PWN-002	Multi-jet Nozzle	GPW-1000 or GPW-1200
FTG00952	USF-001	Universal swivel fitting	GPW-1000 or GPW-1200
HSE01366	WSH-R50	Red Rubber water supply hose 5/8" I.D. x 50' for -25 Degree F to 180 Degree F Water	



## GVC-1500 – (TOL02131) – Vapor Steam Cleaner, 1500 W

The GVC-1500 sanitizes equipment by killing bacteria, fungus, mold, mildew and other microorganisms on contact without the use of harsh chemicals. It heats tap water in its boiler to 330 degrees F, producing a dry vapor-steam with an adjustable pressure of 0-90 PSI and an output temperature of 290-degree F. The adjustable pressure allows the operator to release sufficient vapor-steam to thoroughly clean any surface without reduced visibility. Specially designed cleaning tools and accessories allow the cleaning of not only flat surfaces, but also of cracks and crevices such as coils, where dirt and micro-organisms would be difficult or even impossible to remove by any other method.

### Features/Benefits:

- Stainless steel construction – long life
- Low water indicator – takes the guess work out of adding water.

- Stainless steel boiler – no depressurization needed after use
- Adjustable vapor-steam pressure – matches application
- Chemical Injection – additional cleaning power
- Multiple cleaning tools – ideal for flat surfaces, cracks and crevices

### Included with Purchase:

- 10' hose
- Two-piece 38" wand
- 11" floor brush
- 5" triangular brush
- 3" triangular brush
- 9" squeegee tool
- 14" curved lance
- 8" curved lance
- 3" detail lance
- 2" round brush with spare nylon and brass bristles
- Soap container
- One gallon of high temperature cleaner degreaser

### Specifications

Input Power:	15 amps, 115V, 60 Hz AC
Boiler:	Maximum 1,500 W
Output Steam Pressure:	Adjustable 1-90PSI
Output Steam Temperature:	290 degree F
Dimensions:	37" high x 112 1/2" wide x 21" deep
Weight:	57 lbs net dry





## EV-30H – (TOL01898) – Commercial HEPA Vacuum

The EV-30H dry HEPA vacuum is the unit of choice for commercial dry-only fine particle recovery applications. It produces a static water lift of 90" and an air displacement of 115 CFM. It features a three-stage filtration system and a full assortment of accessories to tackle a wide range of applications.

When recovering debris, a disposable paper filter collection bag traps the majority of materials – capacity 3.2 gallons. Fine particles are filtered to 0.3 microns by a filter protector and a HEPA filter. Only "clean" safe air passes through vacuum dust.

### Features/Benefits:

- HEPA filter 99.97% efficient at 0.3 microns – superior filtration
- Large HEPA filter – long life

- 3.2 gallon paper filter collection bag – large capacity
- Plastic bag tank liner – safe disposal of debris
- Heavy – duty motor - strong suction
- Stainless steel tank – fits any application
- Cord hook – easy storage of power supply cord

### Included with purchase:

- Filters
- 10.6 gallon stainless steel tank with casters
- 8 ½' vinyl crush proof hose
- Three piece, 52" wand
- 16" floor brush
- 3" dusting brush
- 9 ½" crevice tool

### Specifications

Motor:	1.6 hp, 10 amps, 115V
Power Supply Cord	27'
Static Water Lift	90"
Air Displacement:	115 CFM
Dimensions:	13" diameter tank, 32" high overall
Weight:	26 lbs
Dry Capacity:	3.2 gallons
HEPA Filter	Certified 99.97% efficient @ 0.3 microns



## EV-60-P – (TOL01897) – Commercial Pump-Out Vacuum

The EV-60-P twin motor wet vacuum is equipped with an internal pump for controlled discharge of recovered liquids. It has two independent motor switches, as well as an independent plug for the pump. Recovered liquids can be discharged while vacuuming or pumped out later. With both motors on, the vacuum produces a static water lift of 82" and an air displacement of 120 CFM. The unit comes with a hose, three-section wand and a squeegee floor tool to cover a wide variety of wet applications.

### Features/Benefits:

- Internal pump – controlled discharge of liquids
- Two heavy duty motors – strong suction
- Independent motor switches – can run on one of both motors
- Stainless steel tank – fits any application
- Liquid shut-off – prevents overflow
- Reusable filter – saves money
- Cord hook – easy storage of power supply cord

### Included with purchase:

- 20.6 gallon stainless steel tank with internal pump
- Handle
- Wheels and casters
- 8 ½' vinyl crush proof hose
- Three-piece 52' wand
- 16" squeegee floor tool

### Specifications

Motor:	2 hp, 16 amps, 115V
Power Supply Cord:	27'
Static Water Lift	82"
Air Displacement:	120 cfm
Dimensions:	17" diameter tank, 41" high overall
Weight:	69 lbs.



## EV-30 – (TOL01896) – Commercial Wet-Dry Vacuum

The EV-30 is the economical choice for commercial use. It features a 1.6 HP motor, an 8.4 gallon stainless steel tank and a full assortment of accessories. It produces a static water lift of 85" and an air displacement of 90 CFM. The unit is ideal for both liquid recovery and dry debris pickup applications.

### Features/Benefits

- Heavy-duty motor – strong suction
- Stainless steel tank – fits any application
- Liquid shut-off – prevents overflow

- Reusable filter – saves money
- Cord hook – easy storage of power supply cord

### Included with purchase:

- Filter
- 8.4 gallon stainless steel tank with casters
- 8 ½' vinyl crush proof hose
- Three piece 52" wand
- 16" floor brush
- 16" squeegee floor tool
- 3" dusting brush
- 9 ½" crevice tool

### Specifications

Motor:	1.6 hp, 10 amps, 115V
Power Supply Cord:	27'
Static Water Lift	85"
Air Displacement:	90 cfm
Dimensions:	13" diameter tank, 28" high overall
Weight:	22 lbs

### Vacuum Accessories

ServiceFirst Item Number	Goodway PN	Description	Where Used
FLR04835	8050	HEPA Filter for model EV-30H	EV-30H
FLR04836	8051-12	Paper filter collection bag with plastic tank liner (12 pack)	EV-30H
FLR04837	8052	Filter Protector	EV-30H
FLR04838	EV-30-FILTER	Replacement Polyester Filter for EV-30	EV-30



# CTV-1501-60 (TOL03257) – Cooling Tower Vacuum



Dirty water in your cooling tower fouls chillers, robs heat exchanger efficiency and drives up energy costs. Cleaner, more efficient cooling towers can be maintained by using the CTV-1500 Cooling Tower Vacuum. This powerful unit will quickly remove slime, algae, mud and other contaminants from the sides and floor of any cooling tower basin or sump without the need to drain the system. This not only helps to control costly chemical and water waste, but also eliminates the direct handling of dangerous bacteria and other microorganisms found in cooling tower water. Featuring an adjustable flow control of up to 50 GPM, the CTV-1500 allows you to vacuum while the cooling tower is in operation, eliminating system downtime.

**Features/Benefits**

- Simple to operate – minimal training required
- Stainless steel construction – long life
- Heavy duty motor – removes up to 50 gallons of water and debris per minute
- Semi-automatic pump priming system – simple startup
- Adjustable flow control – work at desired speed
- In-line sediment filter – screens out large debris
- Quick connect hoses and tools – adjust to any tower configuration

**Specifications**

Motor	1.5 HP (1.1kW)
Input Power	15 amps, 115V
Static Water Lift	25'(7.6m)
Water Displacement	50 GPM
Pump	Centrifugal
Dimensions	35"high X 22" wide X 21" deep
Weight	125 lbs net dry

**CTV-1500-60 Variations**

ServiceFirst Item Number	Goodway PN	Voltage	Standard Features
TOL03258	CTV-1501A-60	1.5 hp, 230V 60 HZ	Includes sediment filter, 15' intake and 25' discharge vinyl crush-proof hoses, 24" single bend wand, 36" extension tube, 6" gulper tool and storage bag.



## CTV-F2 (TOL02258) Cooling Tower Vacuum Filter

The CTV-F2 Filtration system is specifically designed to work with Goodway's cooling tower vacuums. In situations where the cooling tower water needs to be cleaned, filtered and returned to the basin, using the CTV-F2 in conjunction with the CTV-1501.

This carefully engineered unit can handle the high flow and small micron filtration requirements typically encountered when cleaning cooling towers. A pair of reusable filter cartridges allows the operator to clean cooling tower water down to 5 microns.

With quick lock lids, filters can be changed out in a matter of seconds. The integrated dolly enables the user to conveniently place filters, with the cooling tower vacuum, alongside the basin. Clean, filtered water can then be discharged back into the tower basin at up to 50 gallons per minute.

### Features/Benefits:

- Simple to operate – Minimal training required
- Heavy-duty aluminum filter housing – long life
- Integrated dolly – Easy move
- Reusable filters (up to three times) – Saves money
- Quick lock lids – Rapid filter change

### Included with Purchase:

- (2) 5 and 60 micron media filters
- 25' connection hose
- 25' outlet hose
- Mobile dolly

### Specifications:

Input Water Pressure:	Maximum 30 PSI @ 50 GPM
Filters:	(2) Reusable synthetic, 40 square foot Micron media
Dimensions:	38" high x 20" wide x 20" deep
Weight:	70 lbs net dry



## TFC-100 (TOL03154) Tower Fill Cleaner

### TFC-100 – Penetrating Cleaning Power

The expanding foam action of the TFC-100 is one of the most powerful weapons you can use against the dirt and biological build up on cooling towers. Although it will make deposits disappear right before your eyes, the secret behind this unit's penetrating cleaning power is not magic. It's the integrated continuous-duty air compressor that enhances the expansion of Goodway's environmentally sensitive cleaning solution, to loosen and rinse away deposits from the tightest crevices. The unit's powerful spray gun and custom extension wands and nozzles allow you to penetrate all the hard-to-reach areas

of your cooling tower. This enables you to apply 100% Goodway cleaning solution, a combination of solution and water, or just water for powerful rinsing action.

### Features:

- Integrated continuous duty air compressor for enhanced foam production
- Custom wand extensions and nozzles
- Heavy-duty, chemical resistant components and dolly
- Platform to hold one standard 5 gallon chemical container
- Water hose connection to dilute cleaning solution or provide a clean water rinse
- Hose, wand and tool holders/basin at up to 50 gallons per minute.

### TOWERSHINE

TowerShine is an environmentally friendly, biodegradable, expanding foam detergent specifically formulated for use with the TowerWash. TOWERSHINE-5 Cooling Tower Fill Cleaning Solution, 5 gallon bucket

### SPECIFICATIONS

Compressor Output:	60 PSI at 1 CFM
Input Power:	5 amps, 115 V, 60 Hz AC
Optional:	5 amps, 115 V, 50 Hz; 2.5 amps, 230 V, 60 Hz; or 2.5 amps, 230 V, 50 Hz
Output Foaming Volume:	20 GPM
Output Water Pressure:	Same as supplied
Pump:	Diaphragm
Dimensions:	48" high x 19" wide x 26" deep
Weight:	50 lbs net dry

# Miscellaneous



**Cooling Tower Vacuum Accessories**

ServiceFirst Item Number	Goodway PN	Description	Where Used
KIT15387	CTV-KIT-1501	Cooling Tower Vacuum accessory kit includes a 25' extension hose, 36" extension tube, 20" floor brush, 12" paddle tool, 18" bulk pick-up tool and 6" utility brush.	CTV-1500-60 AND CTV-1500A-60
HSE01451	CTV-EH-25	1 1/2" x 25' crush proof extension hose with quick connect fittings	CTV-1500-60 AND CTV-1500A-60
HSE01452	CTV-EH	1 1/2" x 50' crush proof extension hose with quick connect fittings	CTV-1500-60 AND CTV-1500A-60
HSE01453	6220	1 1/2" x 15' crush proof intake hose with 6220-3 single bend wand and quick connect fittings	CTV-1500-60 AND CTV-1500A-60
HSE01454	6221	1 1/2" x 25' crush proof discharge hose with quick connect fittings	CTV-1500-60 AND CTV-1500A-60
HED00763	6220-3	24" single bend wand	CTV-1500-60 AND CTV-1500A-60
TUB11136	6225	36" extension tube	CTV-1500-60 AND CTV-1500A-60
TOL02135	6225-3	12" paddle tool	CTV-1500-60 AND CTV-1500A-60
TOL02136	6225-4	6" gulper tool	CTV-1500-60 AND CTV-1500A-60
TOL02137	6228	18" bulk pick-up tool	CTV-1500-60 AND CTV-1500A-60
BRU00212	6229	20" floor brush	CTV-1500-60 AND CTV-1500A-60
BRU00353	6230	6" utility brush	CTV-1500-60 AND CTV-1500A-60



The CC-140 Coil Pro is the solution for your coil cleaning applications. Spray bottles and pump sprayers are simply not effective in penetrating most coil beds. In addition, many "coil cleaner" chemicals can actually damage coils or create noxious fumes.

The CC-140 is designed to be flexible. The unit can be used for just about any coil cleaning application. It can operate on AC power, or on its integrated rechargeable battery. In addition, the unit can connect to a 3/4" water line for

## CC-140 (TOL02707) Coil Pro Coil Cleaner (600 PSI model available – CC-600 (TOL02708)

continuous operation, or can draw from it's own 4 gallon tank.

### Features/Benefits:

- Simple to operate – Minimal training required
- Stainless steel wand – Durable
- Flexible extension – Clear hard to reach areas
- Four custom nozzles – Matches application
- Integrated water tank – No hose required
- Integrated soap container – Easy injection of chemicals
- 12V rechargeable battery – Spray up to 90 gallons (150 gallons open flow) on one charge

### Included with Purchase:

- 12V rechargeable battery with 3 amp smart charger
- 18" wand

- 12" flexible extension
- 25' hose
- Four nozzles
- Integrated water tank and soap container

### Specifications

Motor Power:	0.2 HP
Input Power:	3 amps, 115V, 60 Hz AC or 12 amps, 12V, DC rechargeable SLA battery
Input Water Pressure:	Maximum 125 PSI
Output Water Pressure:	Variable 40-150 PSI @.25-1 GPM
Pump:	Positive displacement diaphragm pump
Water Tank:	4 Gallons
Soap Container:	2 Gallons
Dimension:	32" H x 30" W x 11" D
Weight:	76 lbs net dry



### CC-100 – Flexible and Fully Integrated

It's no wonder why the CC-100 CoilPro® has every feature you're looking for in a portable backpack cleaner. The reason is because it was designed with input directly from customers like you. Get the full cleaning power of larger units plus complete freedom of motion thanks to a rechargeable battery and an on-board water reservoir. Chemical cleaning is as easy as pushing a button with an integrated chemical tank and control wand. A gallon of CoilShine™ cleaning

## CC-100 (TOL02798) Coil Pro Coil Cleaner CC-100D (TOL03291)

solution is included for tough, fume-free cleaning. An optional dolly makes the CC-100 ready to roll at a moment's notice.

### Features:

- Deep cycle 12 V rechargeable battery
- Integrated 5 gallon water tank and 3 quart chemical tank
- Button to inject chemicals at 6:1 ratio (can be factory adjusted)
- 18" wand and three custom nozzles
- Optional wheel and dolly kit
- Wide variety of custom attachments

### Specifications:

Motor Power:	0.1 HP
Input Power:	4 amps, 12 V, DC rechargeable VRLA battery
Recharge Power:	0.3 amp, 115 V, 50/60 Hz AC

Optional:	0.15 amp, 230 V, 50/60 Hz
Output Water Pressure:	Variable, 40-100 PSI at 0.25-0.5 GPM
Pump:	Positive displacement diaphragm pump
Water Tank:	5 gallons
Soap Container:	3 quarts
Dimensions:	24" high x 19" wide x 14" deep
Weight:	25 lbs net dry; 50 lbs at 21/2 gallons water and 11/2 quarts chemical (maximum for backpack use); 75 lbs fully loaded (for dolly use only)



## CC-JR (TOL03253) CoilPro Coil Cleaner

### CC-JR – Compact

The CoilPro® line of coil cleaners has become the industry standard for HVAC maintenance professionals. In a constant effort to provide our customers with products designed for their specific application, the CoilPro Jr. was created. The CC-JR has all of the unique features you would expect, with a few extra for good measure: including a powerful 125 PSI pump, long lasting deep cycle battery, operator controlled chemical

injection and custom accessories. It's all packed into a portable ergonomic design making it easy to transport from job to job. You'll find the CoilPro Jr. perfect for smaller roof top units, hard to reach air handlers, and refrigeration condenser coils.

#### Features:

- Deep cycle 12 V rechargeable battery
- Integrated 3.3 gallon water tank and 1.75 quart chemical tank
- Adjustable control valve to inject chemicals from a 30:1 to 6:1 ratio
- 3' sectional 3/8" diameter stainless steel condenser wand
- Heavy duty adjustable carrying strap with shoulder pad
- Wide variety of custom attachments

#### Specifications:

Motor Power:	0.2 HP
Input Power:	12 amps, 12 V, DC rechargeable VRLA battery
Recharge Power:	0.3 amp, 115 V, 50/60 Hz AC
Optional:	0.2 amp, 230 V, 50/60 Hz
Output Water Pressure:	125 PSI at 0.6 GPM
Pump:	Positive displacement diaphragm pump
Water Tank:	3.3 gallons
Soap Container:	1.75 quarts
Dimensions:	19" high x 18" wide x 10" deep
Weight:	20 lbs net dry; 55 lbs at 3.3 gallons water and 1.75 quarts chemical

ServiceFirst Item Number	Goodway PN	Description	Where Used
<b>CoilPro &amp; Coil Pro Jr Parts &amp; Accessories</b>			
NOZ00855	9655	18" EXTENSION WAND FOR COILPRO	All CoilPro Coil Cleaners
NOZ00856	9656	24" EXTENSION WAND.FOR COILPRO	All CoilPro Coil Cleaners
HSE01524	9650	10" FLEXIBLE EXTENSION WAND HOSE FOR COIL PRO	All CoilPro Coil Cleaners
CHG0057	8944	VEHICLE ADAPTER FOR BATTERY CHARGER	All CoilPro JR Coil Cleaners
NOZ00863	8945	36" LONG 90-DEGREE SPRAY WAND	All CoilPro JR Coil Cleaners
HED00859	8945-48	48" LONG 90-DEGREE SPRAY WAND	All CoilPro JR Coil Cleaners
KIT15185	9619	FOAMING NOZZLE ASSEMBLY	All CoilPro JR Coil Cleaners
NOZ00857	9657	36" EXTENSION LANCE ASSEMBLY	All CoilPro JR Coil Cleaners
NOZ00858	9658	48" EXTENSION LANCE ASSEMBLY	All CoilPro JR Coil Cleaners
NOZ00859	9659	60" EXTENSION LANCE ASSEMBLY	All CoilPro JR Coil Cleaners



## CoilPro Accessories

### COILSHINE™

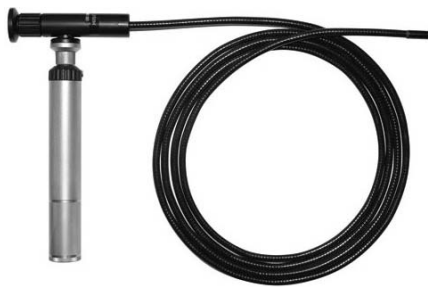
CoilShine is an environmentally friendly, biodegradable, expanding foam detergent specifically formulated for use with the CoilPro. This unique solution penetrates deep into coil beds for thorough cleaning. It is user friendly, non-acidic, and non-fuming, allowing it to be used in occupied areas and safely washed down drains.

COILSHINE Coil Cleaning Solution Chem 772, one case (four 1 gallon bottles)

#### Specifications:

Water Tank:	4 Gallons
Soap Container:	2 Gallons
Dimension:	32" H x 30" W x 11" D
Weight:	76 lbs net dry

ServiceFirst Item Number	Goodway PN	Description	Where Used
CHM00772	COILSHINE	Non-Acidic, odorless, biodegradable expanding foam Case of 4-1 gallon bottles	



The FS-10 Tube Scope is ideal for inspecting the interior walls of boiler, chiller and condenser tubes. It can also be used to view the interior of ventilation shafts and ductwork, examine clogged drain lines, locate blockages in process pipes and identify hidden obstructions in walls. The unit comes equipped with a powerful battery powered halogen light, a flexible 10' (3m) fiber image probe with a 55 degree field of view, a 90 degree right angle view adapter and a durable carrying case.

## FS-10 (TOL02171) - Fiberscope

### Features/Benefits:

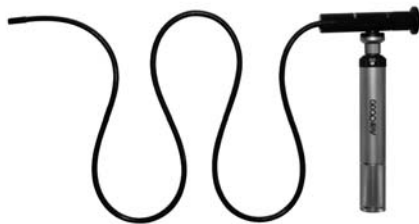
- Simple to operate – minimal training required
- Stainless steel construction – long life
- Adjustable focus eyepiece-sharp picture
- 3000 lux Halogen light – bright illumination
- Flexible 10' (3m) fiber image probe – snakes through bends and around corners
- 55 degree field of view – wide viewing angle
- 90 degree right angle mirror adapter – side viewing
- Waterproof probe and optics – can be used for wet applications

### Included with Purchase:

- Tube scope with flexible 10' image probe
- 90 degree right angle view adapter
- Carrying case

### Specifications:

Battery Power:	Three 1.5V, C cell
Running Time:	3.5 hours
Illumination:	Halogen bulb 3.5V, approximately 3,000 lux
Focal Length:	10mm – infinity
Viewing Angle:	55 degrees
Viewing Direction:	Standard 0 degrees or 90 degrees
Operating Temperature:	-4 degrees –140 degrees F
Probe Dimensions:	10' (3m) long x less than 3/8" diameter
Weight:	1.3 lbs (0.6kg)



## FS-5G (TOL02171) - Fiberscope

The FS-10 Tube Scope is ideal for inspecting the interior walls of boiler, chiller and condenser tubes. It can also be used to view the interior of ventilation shafts and ductwork, examine clogged drain lines, locate blockages in process pipes and identify hidden obstructions in walls. The unit comes equipped with a powerful battery powered halogen light, a flexible 10' (3m) fiber image probe with a 55 degree field of view, a 90 degree right angle view adapter and a durable carrying case.

### Features/Benefits:

- Simple to operate – minimal training

required

- Stainless steel construction – long life
- Adjustable focus eyepiece-sharp picture
- 3000 lux Halogen light – bright illumination
- Flexible 10' (3m) fiber image probe – snakes through bends and around corners
- 55 degree field of view – wide viewing angle
- 90 degree right angle mirror adapter – side viewing
- Waterproof probe and optics – can be used for wet applications

### Included with Purchase:

- Tube scope with flexible 10' image probe





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Literature Order Number	RSP-PRC014-EN
Filing Hierarchy	Service Products/Tool and Test Equipment
Date	January 2010
Supersedes	RSP-PRC014-EN 0705
Stocking Location	Print on Demand

*Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.*