

HVAC | INDUSTRIAL PLANT | FACILITY | FOOD & BEVERAGE

GOODWAY®

INNOVATIVE & TECHNOLOGY-DRIVEN
MAINTENANCE SOLUTIONS



ALL NEW REDESIGNED
TUBE CLEANERS.
SEE PAGE 6 FOR DETAILS



*Proud Recipients of the Presidents'
Excellence in Exporting "E" Award*

HIGH-VOLUME CONDENSER CLEANING GUN



CUSTOMER FAVORITE



QS-300 - Prevents Blow-Back

Load one of our high-quality projectiles into the tube then pull the power-assisted easy-pull trigger. The unit's in-line pressurized water system hurls projectiles through deposits with ease – you're left with an astonishingly clean tube in a matter of seconds.

Engineered with the user in mind, the Quick Shot® has industry-leading technology that safely discharges pressurized water and air through a state of the art Pressure Relief System. Pressurized liquid is safely diverted through the venting mechanism and directed back at the tube sheet. Quickly avoid the risk of injury and move on to the next tube – all in a matter of seconds.

QS-300: Quick Shot Condenser Tube Cleaning Gun including safety shield, hoses, tapered nozzle and carrying case.



FEATURES

- Compact
- Power-assisted trigger
- Automatic pressure relief system
- Rugged construction

SPECIFICATIONS	QS-300
Application	Smooth Bore Tubes
Tube Size Range	15,9 mm to 38 mm O.D.
Air Requirements	3,4 to 10,3 BAR at 85 m ³ /h
Water Requirements	Maximum 10,3 BAR at 19 LPM
Special Features	Air Powered Water Flush
Hoses	3 m Air and 3 m Water
Dimensions	230 mm Long
Weight	1,4 Kg, Net Dry

OPTIONAL:

QA-1051: Replacement Nozzle.

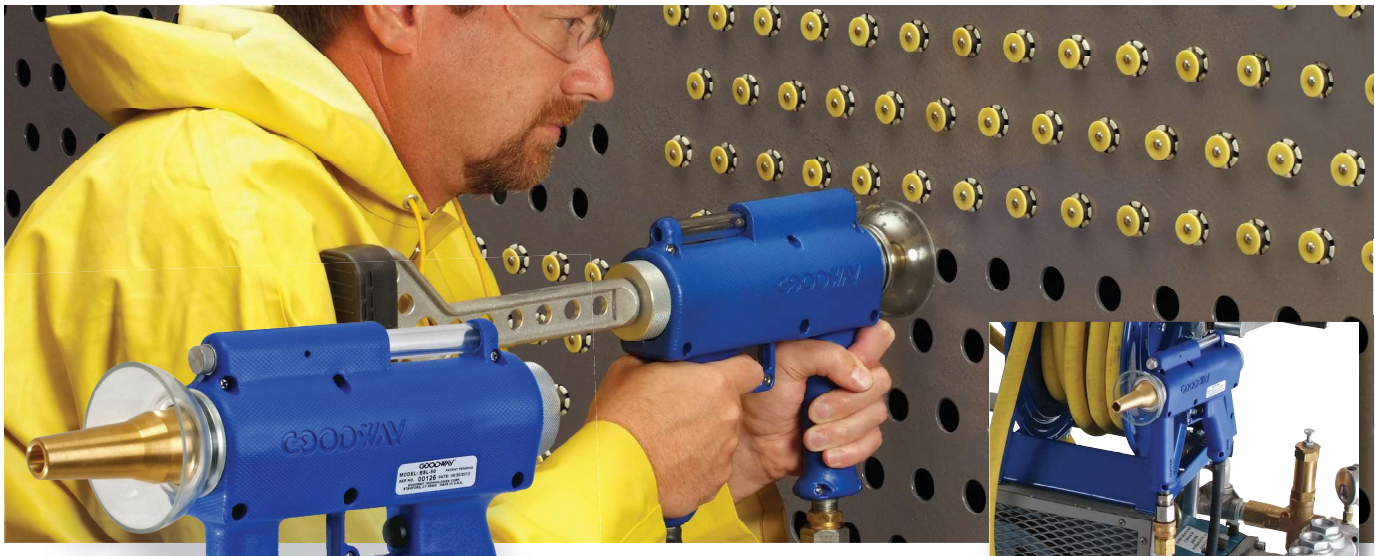
QA-1051-12: Extension Nozzle, 305 mm long.

QSP-1212: Mesh Tarp, 3,7 m high x 3,7 m wide.

TH: Tarp Holder, 15,9 mm, 19,1 mm, 22,2 mm or 25,4 mm, 16 to 18 or 19 to 22 gauge (specify size).



WE'RE ABOUT TO MAKE YOUR JOB EASIER



U.S. PATENT
NO. 8,146,193

FEATURES

- One- or two-handed use
- Rugged ABS outer shell
- Air-assisted trigger
- Removable aluminum shoulder stock
- Compact, ergonomic design
- Easily interchangeable nozzles
- Clear, removable splash shield
- Reliable cleared tube indicator
- Flow rate up to 190 LPM
- Internal vacuum break

OPTIONAL:

BSL-NOZZLE: Replacement Nozzle.

BSL-OFFNOZ: 45° Nozzle.

QA-1383: Replacement Shield.

QSP-1212: Mesh Tarp,
3,7 m high x 3,7 m wide.

TH: Tarp Holder, 15,9 mm, 19,1 mm, 22,2 mm
or 25,4 mm, 16 to 18 or 19
to 22 gauge (specify size).



BSL-50 - Reduces Fatigue

Cleaning tubes can take a toll on you. That's why you need a gun for your high-volume tube cleaning jobs. The BSL-50's air assisted trigger requires an incredible 90% less effort for firing projectiles – what a difference when you have thousands of tubes to clean! An easy-to-attach, padded aluminum shoulder stock provides added leverage when you need it. There's no bulky pressure gauge on the BSL-50. The simple "cleared tube" indicator reliably shows when the projectile has exited the tube. But don't let all this comfort fool you, with a flow rate of up to 190 LPM, the BSL-50 Big Shot cleans tubes faster than ever.

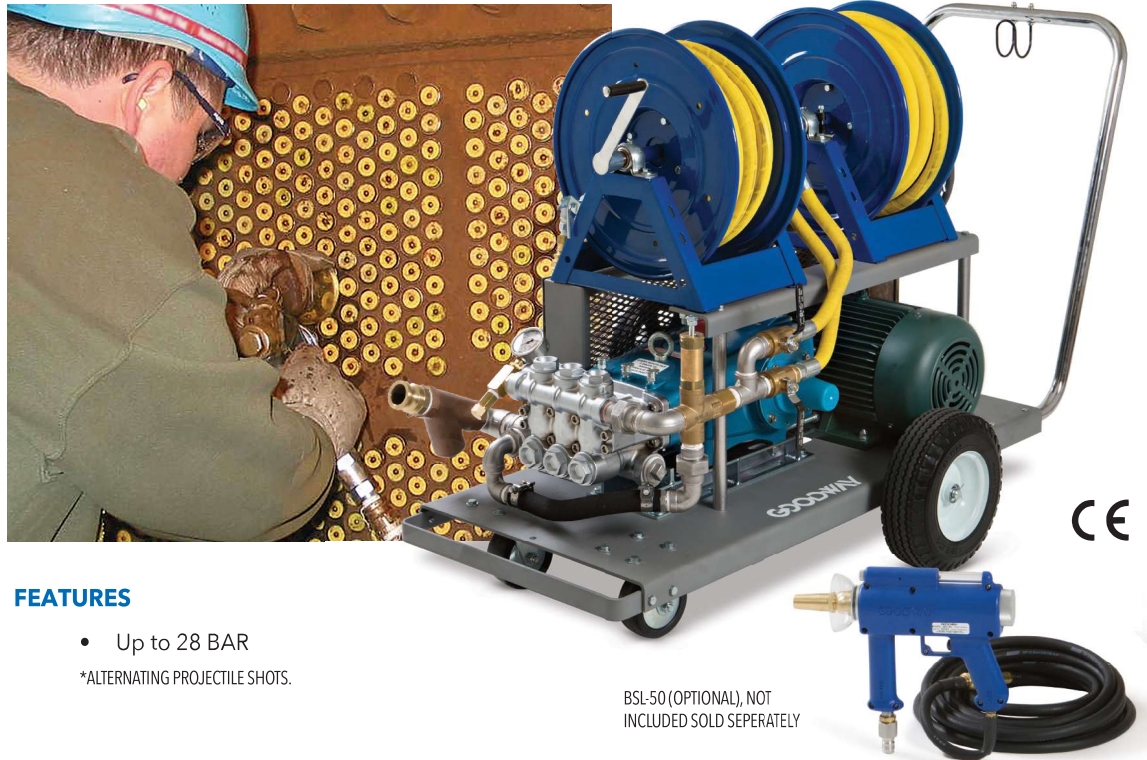
BSL-50: Big Shot® Condenser Tube Cleaning Gun with quick connect fittings and case for use with BFP-3510 Big Shot and other tube shooting machines.



SPECIFICATIONS	BSL-50
Application	Smooth Bore Tubes
Tube Size Range	15,9 mm to 38 mm O.D.
Air Requirements	6,2 to 10,3 BAR at 1,7 m ³ /h
Water Requirements	Maximum 41 BAR at 190 LPM
Special Features	Air Powered Water Flush Quick Connect Hose Fittings
Hoses	3 m Air and 3 m Water
Dimensions	300 mm Long (560 mm Long with Shoulder Stock)
Weight	1,8 Kg, Net Dry (2,3 Kg with Shoulder Stock)

CALLING ALL POWER PLANT PROFESSIONALS

CLEANS THE TOUGHEST DEPOSITS



FEATURES

- Two gun pump*
 - Comfort grip guns
 - Rugged construction
 - Up to 28 BAR
- *ALTERNATING PROJECTILE SHOTS.

BSL-50 (OPTIONAL), NOT INCLUDED SOLD SEPERATELY

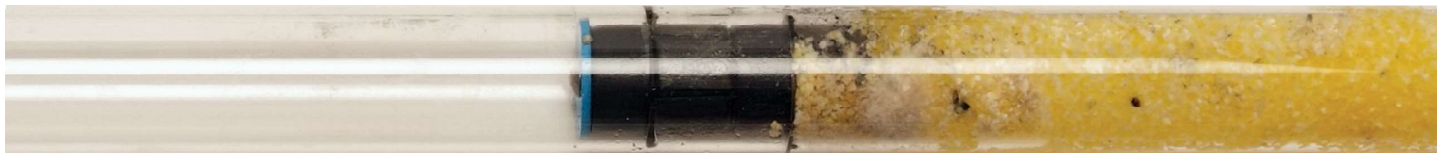
SPECIFICATIONS	BFP-3510
Application	Smooth Bore Tubes
Tube Size Range	15,9 mm to 38 mm O.D.
Motor Power	7,5 kW
Input Power	26 Amps, 230 V, 50/60 Hz AC, Three Phase Optional 13 Amps, 460 V, 50/60 Hz AC, Three Phase; or 12 Amps, 380 V, 50/60 Hz AC, Three Phase
Power Supply Cord	7,6 m, 12-4
Water Requirements	1,4 to 4,8 BAR at 132 LPM
Output Water Pressure	19 to 28 BAR at 132 LPM
Hoses	50 mm x 15,2 m Inlet and 20 mm x 15,2 m Outlet
Pump	Triplex Plunger in Oil Bath
Dimensions	1016 mm (H) x 813 mm (W) x 1524 mm (D)
Weight	272 Kg, Net Dry

BFP-3510-230-R1: Big Shot Tube Cleaning System, including hoses with one reel, and cart.

OPTIONAL:
OSP-1212: Mesh Tarp, 3,7 m high x 3,7 m wide.



TH: Tarp Holder, 15,9 mm, 19,1 mm, 22,2 mm or 25,4 mm, 16 to 18 or 19 to 22 gauge (specify size).



Carbon Steel Super Scrubbers

Goodway Carbon Steel Super Scrubbers are the most advanced tube cleaning projectiles available. They come equipped with either high tensile carbon steel blades and resilient nitrile bushings. Each reusable projectile is color-coded to size and features a patented force adjustment, preset by the factory, to match both the type of deposit and the tube material. When shot with a BFP-3510 Big Shot Tube Cleaning System they provide the best method for removing hard deposits from power plant condenser tubes.

AVAILABLE IN U-TUBE VERSION



FEATURES

- Carbon steel blades
- Nitrile bushings
- Reusable
- Color-coded for easy identification

Carbon Steel Super Scrubbers are available for tubes 15,9 mm to 32 mm O.D. with BWG ranges 16 to 25.

TUBE CLEANING PROJECTILES

Tube Scrubbers

Goodway Tube Scrubbers are the ultimate design in tube cleaning devices. They are available in sizes to fit tubes 15,9 to 32 mm O.D. When shot with a QS-300 Quick Shot Tube Cleaning Gun they provide the fastest method for removing soft deposits from tubes.

FEATURES

- Seven scraping disks to prevent streaks
- Buoyant for easy cleaning and retrieval
- Color-coded for easy identification
- Reusable



All Tube Scrubbers are available in either soft or hard

material to cover the complete range of tube sizes and most tube cleaning conditions. In most cases hard Tube Scrubbers are recommended. On the lower end of the hard Tube Scrubber size range, in extreme conditions, the user may have to use soft Tube Scrubbers.

TUBE SCRUBBERS				
	PART NUMBER	COLOR	TYPE	TUBE I.D. RANGE (MM)
	TS-560-S TS-560	Yellow Yellow	Soft Hard	12,57 to 13,74 13,39 to 14,10
	TS-630-S TS-630	Brown Brown	Soft Hard	14,50 to 15,75 15,00 to 16,00
	TS-695-S TS-695	Red Red	Soft Hard	15,75 to 17,15 16,56 to 17,63
	TS-750-S TS-750	Purple Purple	Soft Hard	16,76 to 18,54 18,03 to 19,05
	TS-825-S TS-825	White White	Soft Hard	18,54 to 20,32 19,74 to 20,80
	TS-870-S TS-870	Green Green	Soft Hard	19,81 to 21,59 20,96 to 22,10
	TS-960-S TS-960-M TS-960	Blue Blue Blue	Soft Medium Hard	22,10 to 23,98 22,50 to 24,13 22,91 to 24,28
	TS-1100-S TS-1100	Black Black	Soft Hard	25,40 to 27,56 26,09 to 28,09
	TS-1250-S TS-1250	Gray Gray	Soft Hard	27,94 to 30,23 30,23 to 31,75

Bi-Directional Stainless Steel Tube Brushes

Goodway Bi-Directional Stainless Steel Tube Brushes provide a unique combination of aggressive brushing and wiping action. They are color coded for easy identification, feature stainless steel bristles set in a coil, and capped at both ends by three wiping blades. They are ideal for removing medium to hard deposits from condenser and component heat exchanger tubes.

FEATURES

- Bi-directional for easy loading
- Hybrid Design for maximum cleaning power
- Color-coded for easy identification
- Reusable
- Bi-directional Stainless Steel Tube Brushes are available for tubes 22,2 to 25,4 mm O.D. with BWG ranges 16-25

BI-DIRECTIONAL STAINLESS STEEL TUBE BRUSHES					
	PART NUMBER	PISTON COLOR	TUBE O.D.	GUAGE	TUBE I.D.
	CBSE-075-18	Black	19,05 mm	18	16,56 mm
	CBSE-075-20	Red	19,05 mm	20	17,27 mm
	CBSE-075-22	Blue	19,05 mm	22	17,63 mm
	CBSE-087-18	White	22,2 mm	18	19,74 mm
	CBSE-087-20	Red	22,2 mm	20	20,45 mm
	CBSE-087-22	Blue	22,2 mm	22	20,80 mm
	CBSE-100-16	Yellow	25,4 mm	16	22,10 mm
	CBSE-100-18	White	25,4 mm	18	22,91 mm
	CBSE-100-20	Red	25,4 mm	20	23,62 mm
	CBSE-100-22	Blue	25,4 mm	22	23,98 mm
	CBSE-112-18	Black	28,57 mm	18	26,08 mm
	CBSE-112-20	Red	28,57 mm	20	26,79 mm
	CBSE-112-22	Blue	28,57 mm	22	27,15 mm
	CBSE-125-18	Black	31,75 mm	18	29,26 mm
	CBSE-125-20	Red	31,75 mm	20	29,97 mm
	CBSE-125-22	Blue	31,75 mm	22	30,32 mm



IMPROVED BRISTLES



TUBE CLEANING PROJECTILES

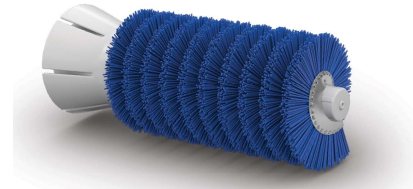
Nylon Coiled Brushes

Goodway Nylon Coiled Tube Brushes incorporate a revolutionary piston design. They feature durable nylon bristles set in a coil, wrapped around a wear resistant polymer core. Superior to wooden dowel cores, Goodway's piston design allows the brushes to be quickly inserted into the tubes and helps maximize the cleaning effectiveness of the bristles. They are ideal for removing soft to medium deposits from condenser and component heat exchanger tubes.

COILED BRUSHES					
	PART NUMBER	PISTON COLOR	TUBE O.D.	GUAGE	TUBE I.D.
	CB-062-18	White	15,9 mm	18	13,39 mm
	CB-075-18	White	19,1 mm	18	16,56 mm
	CB-075-20 CB-075-22	Red Blue	19,1 mm 19,1 mm	20 22	17,27 mm 17,63 mm
	CB-087-18	Yellow	22,2 mm	18	19,74 mm
	CB-087-20 CB-087-22	White Blue	22,2 mm 22,2 mm	20 22	20,45 mm 20,80 mm
	CB-100-16 CB-100-18 CB-100-20 CB-100-22	Yellow White Red Blue	25,4 mm 25,4 mm 25,4 mm 25,4 mm	16 18 20 22	22,10 mm 22,91 mm 23,62 mm 23,98 mm

FEATURES




- Piston design for maximum speed
- Reusable
- Color-coded for easy identification



Nylon Coiled Tube Brushes are available for tubes 15,9 to 32 mm O.D. with BWG ranges 16 to 22.

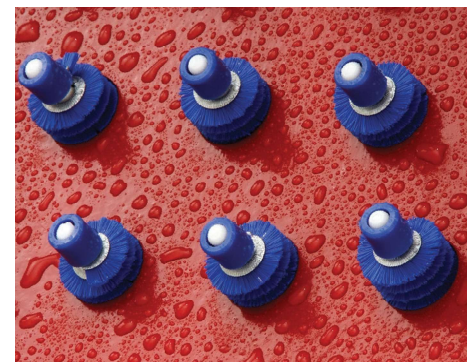
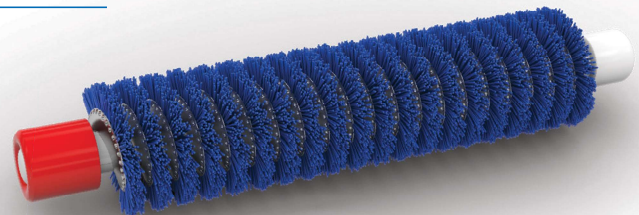
Bi-Directional Coiled Brushes

Goodway Bi-Directional Coiled Tube Brushes can be shot from either end. They are color coded for easy identification and feature durable nylon bristles set in a coil, wrapped around a wear resistant 75 mm polymer core. This design allows the brushes to be quickly inserted into the tubes, without regard to direction, and helps maximize the cleaning effectiveness and the life of the bristles. They are ideal for removing soft to medium deposits from condenser and component heat exchanger tubes.

BI-DIRECTIONAL COILED BRUSHES					
	PART NUMBER	PISTON COLOR	TUBE O.D.	GUAGE	TUBE I.D.
	CB3-087-18	White	22,2 mm	18	19,74 mm
	CB3-087-20 CB3-087-22	Red Blue	22,2 mm 22,2 mm	20 22	20,45 mm 20,80 mm
	CB3-100-16 CB3-100-18 CB3-100-20 CB3-100-22	Yellow White Red Blue	25,4 mm 25,4 mm 25,4 mm 25,4 mm	16 18 20 22	22,10 mm 22,91 mm 23,62 mm 23,98 mm
	CB3-112-16	Yellow	29 mm	16	25,27 mm
	CB3-112-18 CB3-112-20 CB3-112-22	White Red Blue	29 mm 29 mm 29 mm	18 20 22	26,09 mm 26,80 mm 27,15 mm
	CB3-125-16 CB3-125-18 CB3-125-20 CB3-125-22	Yellow White Red Blue	32 mm 32 mm 32 mm 32 mm	16 18 20 22	28,45 mm 29,26 mm 29,97 mm 30,33 mm
	CB3-137-16	Yellow	35 mm	16	31,62 mm
	CB3-137-18 CB3-137-20 CB3-137-22	White Red Blue	35 mm 35 mm 35 mm	18 20 22	32,44 mm 33,15 mm 33,50 mm
	CB3-150-16 CB3-150-18 CB3-150-20 CB3-150-22	Yellow White Red Blue	38 mm 38 mm 38 mm 38 mm	16 18 20 22	34,80 mm 35,61 mm 36,32 mm 36,68 mm

FEATURES

- Bi-directional for easy loading
- 75 mm long for larger cleaning surface
- Piston design for maximum speed
- Color-coded for easy identification
- Reusable



Bi-directional 75 mm Coiled Tube Brushes are available for tubes 22,2 to 38 mm O.D. with BWG ranges 16 to 22.

PNEUMATIC HOSE / TUBE CLEANING GUNS



U.S. PATENT NO. 6,631,531



SPEED LOAD PNEUMATIC HOSE/TUBE CLEANING GUN



U.S. PATENT NO. 6,631,531



PNEUMATIC HOSE/TUBE CLEANING GUN

JetLoad®

JL-5010: JetLoad Pneumatic Cleaning Gun Only.

JCL-3000: Adapter Ring for nozzles 4,7625 mm - 31,75 mm.

JL-5030: JetLoad Pneumatic Hose Cleaning Gun, including 9 standard hose nozzles and carrying case.

JCL-5030: JetLoad Pneumatic Hose Assembly Cleaning Gun, including 9 standard coupling nozzles and carrying case.

JLT-5030: JetLoad Pneumatic Tube Cleaning Gun, including 9 standard tube nozzles and carrying case.

FEATURES

- Hinged faceplate for easy loading of projectiles
- Pressure relief valve to eliminate back pressure
- Trigger guard
- Quick Connect fittings

JetLaunch®

JCL-2010: JetLaunch Pneumatic Cleaning Gun Only.

JCL-3000: Adapter Ring for nozzles 4,7625 mm - 31.75 mm.

JCL-2030: JetLaunch Pneumatic Hose Cleaning Gun, including 9 standard hose nozzles and carrying case.

JIL-2030: JetLaunch Pneumatic Hose Assembly Cleaning Gun, including 9 standard coupling nozzles and carrying case.

JCL-2060: JetLaunch Pneumatic Tube Cleaning Gun, including 9 standard tube nozzles and carrying case.

FEATURES

- Trap door for quick loading of projectiles
- Pressure relief valve to eliminate back pressure
- Trigger guard
- Quick Connect fittings



JetLaunch®-XL

JetLaunch-XL: JetLaunch Pneumatic Cleaning Gun, nozzle and carrying case.

PNEUMATIC HOSE/TUBE CLEANING GUN FOR TUBES 50 TO 114 MM



SPECIFICATIONS	JETLOAD®	JETLAUNCH®	JETLAUNCH® -XL
Air Requirements	Minimum 4,1 BAR Maximum 6,9 BAR	Minimum 6,2 BAR Maximum 8,3 BAR	Minimum 6,2 BAR Maximum 10,3 BAR
Dimensions	203 to 254 mm long (depending on nozzle)	75 to 130 mm long (depending on nozzle)	304 to 279 mm long (depending on nozzle)
Weight	0,8 Kg	0,7 Kg	3,2 Kg
Optional Carrying Case	410 mm (H) x 460 mm (W) x 530 mm (D)	410 mm (H) x 460 mm (W) x 530 mm (D)	381 mm (H) x 508 mm (W) x 139 mm (D)

PNEUMATIC HOSE / TUBE CLEANING NOZZLES

Nozzles for JetLoad®, JetLaunch® and JetLaunch® XL

NOZZLES:

Nozzles are available for cleaning any tube, pipe or hose 4,76 - 50 mm I.D. Hose nozzles are tapered to fit inside the ends of hoses. Tube nozzles are designed to butt up against the ends of tubes and pipes for complete end to end cleaning. JIC nozzles are available for thorough cleaning of hoses with attached couplings.



PART NUMBER	FOR HOSE I.D.
JCN-2100	6,3 mm
JCN-2120	9,4 mm
JCN-2130	12,7 mm
JCN-2140	15,7 mm
JCN-2150	19,05 mm
JCN-2160	24,4 mm
JCN-2170	31,75 mm
JCN-2180	38,1 mm
JCN-2190	50,8 mm

PART NUMBER	FOR TUBE/ PIPE O.D.
JCN-02505	6,3 mm
JCN-03705	9,4 mm
JCN-05010	12,7 mm
JCN-06207	15,7 mm
JCN-07508	19,05 mm
JCN-10012	24,4 mm
JCN-12512	31,75 mm
JCN-15012	38,1 mm
JCN-20012	50,8 mm

FAST EFFECTIVE, TO ISO 13/10 LEVELS, EXPERIENCE THE POWER OF PNEUMATIC

Our results were excellent. One shot was usually all it took to clean a hose, with a few more required for severely fouled situations. Because of this success, we now have a JetLaunch® in each branch shop and on every service truck.

– J. Palmer Clarkson



**PROJECTILE SHOT THROUGH
HYDRAULIC HOSE**



**PROJECTILE SHOT THROUGH HYDRAULIC
HOSE WITH COUPLINGS**

Standard Projectiles

Goodway's Standard Projectiles are specially formulated for use with any pneumatic gun. As a projectile is shot, it is compressed, loosening and propelling dirt and deposits through the hose, tube or pipe. Projectiles are oversized to ensure proper compression for maximum cleaning action.

Note: Abrasive projectiles and custom sizes available.

PART NUMBER	HOSE I.D.	QUANTITY
JR-09	6,35 mm	100
JR-10	6,35 mm	100
JR-12	7,9375 mm	100
JR-14	9,525 mm	100
JR-16	11,1125 mm	100
JR-18	12,7 mm	100
JR-20	14,2875 mm	100
JR-22	15,875 mm	100
JR-26	19,05 mm	50
JR-28	20,6375 mm	50
JR-30	22,225 mm	50
JR-33	25,4 mm	50
JR-36	28,575 mm	50
JR-38	28,575 mm	50
JR-40	31,75 mm	50
JR-45	34,925 mm	25
JR-50	38,1 mm	25
JR-55	44,45 mm	25
JR-60	50,8 mm	25
JR-65	57,15 mm	25
JR-70	63,5 mm	25
JR-75	69,85 mm	25
JR-80	76,2 mm	25
JR-85	82,55 mm	25
JR-90	88,9 mm	25
JR-95	95,25 mm	25
JR-100	101,6 mm	25
JR-106	107,95 mm	25
JR-110	111,125 mm	25
JR-115	114,3 mm	25
JR-120	120,65 mm	25

Coupling Projectiles:

Goodway's Coupling Projectiles are made from a soft, dense packed foam, designed to allow the projectile to be shot through a hose, tube or pipe with couplings.

Note: Abrasive projectiles and custom sizes available.

PART NUMBER	HOSE I.D.	QUANTITY
JC-09	6,5 mm	100
JC-10	7,9375 mm	100
JC-12	7,9375 mm	100
JC-14	9,525 mm	100
JC-16	17,8 mm,	100
JC-18	12,7 mm	100
JC-20	14,2875 mm	100
JC-22	15,875 mm	100
JC-26	19,05 mm	50
JC-30	22,225 mm	50
JC-33	25,4 mm	50
JC-40	31,75 mm	50
JC-50	38,1 mm	25
JC-55	44,45 mm	25
JC-60	50,8 mm	25
JC-65	57,15 mm	25
JC-70	63,5 mm	25
JC-75	69,85 mm	25
JC-80	76,2 mm	25
JC-85	82,55 mm	25
JC-90	88,9 mm	25
JC-95	95,25 mm	25
JC-100	101,6 mm	25
JC-106	107,95 mm	25