

EXCHANGER CLEANING



BANSHEE®

Rotary Small Tube Cleaning

Banshee tube cleaning nozzles are the industry standard for effective tube cleaning. They use high pressure water as a liquid bearing, thereby eliminating ball bearings, seals or lubricant used in conventional rotary tools. Each tool is easily configured to suit any application by choosing from a variety of replaceable heads and inlet options.

FEATURES:

• Patented liquid bearing design means no bearings, seals, or lubricants to replace

• Stainless steel construction for extreme durability and longevity

• Multiple inlet options and replaceable heads make configurations easy

· Shrouded model keeps head protected and rotating when tool is pushed against a plug

IDEAL FOR:

- Unplugging, cleaning, and polishing tubes, such as those found in heat exchangers and industrial tube bundles
- Effectively removes thin, hard scale, carbons, coke,
- Ideal for manual and powered lancing operations



BANSHEE SPECIFICATIONS	22K PSI (15)	00 BAR)	SEE PAGE 57 FOR 40K
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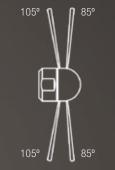
	Tube ID Range	Max Pressure	Max Pressure (BSPP Inlet)	Flow Range	Inlet Connections	Diameter	Length
BN9.5	0.47-0.63 in. 12-16 mm	22k psi 1500 bar	N/A	4.5-8 gpm 17-30 l/min	M7, 1/16 NPT 1/4 LH or 1/4 RH	0.37 in. 9.5 mm	2.6 in. 65 mm
BN13	0.60-1.0 in.	22k psi	18k psi	7-10 gpm	1/8 NPT, 1/8 BSPP, 1/4 LH,	0.50 in.	2.9 in.
	15-25 mm	1500 bar	1250 bar	27-38 l/min	1/4 RH, 3/8 LH or 3/8 RH	13 mm	74 mm
BN18	0.87-1.3 in.	22k psi	20k psi	8-14 gpm	1/4 NPT, 1/4 BSPP	0.69 in.	3.8 in.
	22-33 mm	1500 bar	1400 bar	30-53 l/min	9/16 LH or 9/16 RH	18 mm	97 mm
BN24	1.1-2 in.	22k psi	22k psi	12-25 gpm	3/8 NPT, 3/8 BSPP	0.93 in.	5.1 in.
	28-51 mm	1500 bar	1500 bar	45-95 l/min	9/16 LH or 9/16 RH	24 mm	130 mm
BN33	1.5-2.4 in.	22k psi	15k psi	12-49 gpm	1/2 NPT, 1/2 BSPP	1.3 in.	6.9 in.
	38-60 mm	1500 bar	1000 bar	45-190 l/min	or 9/16 MP	33 mm	180 mm
BT12	0.60-1.0 in. 15-25 mm	22k psi 1500 bar	N/A	Up to 8.5 gpm 32 l/min	P1, M7, MPL4, MPR4	0.50 in. 13 mm	1.3 in. 33 mm
BT18	0.87-1.3 in.	22k psi	18k psi	Up to 11 gpm	P1, P2, BSPP2, MPL6,	0.69 in.	1.5 in.
	22-33 mm	1500 bar	1250 bar	42 l/min	MPR6, MPL4, MPR4	18 mm	39 mm

12 MODELS AVAILABLE

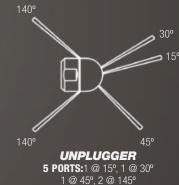
UP TO 40K PSI (2800 BAR)

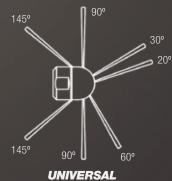


3 STANDARD HEAD CONFIGURATIONS



POLISHER **4 PORTS:** 2 @ 85°, 2 @ 105°





7 PORTS: 1 @ 20°, 1 @ 30° 1 @ 60°, 2 @ 90°, 2 @ 145°