

TECHNICAL DATA SHEET

Note: For safe, efficient blasting, read and follow the owner's manual and seek training for everyone who will use this equipment.

Purpose

A blast nozzle accelerates the air and abrasive as the mixture exits the end of the hose. The taper and length of the nozzle's inlet and outlet determine the pattern and velocity of the abrasive exiting the nozzle. The composition of the liner material determines its resistance to wear.

Requirements for Operation

Nozzles are sized by the diameter of their orifices in 1/16-inch increments. A No. 2 nozzle has a 2/16-inch (1/8-inch) orifice, a No. 3 nozzle has a 3/16-inch orifice, etc. The size of the nozzle orifice determines abrasive and air consumption. Air consumption is measured in cubic feet per minute (cfm) at a given pressure. See the air and abrasive consumption chart on the back of this page.

When choosing a nozzle, consider the amount of available air in cfm, the capacity of the blast machine and the inside diameter of the piping, the blast and air hoses.

If too large a nozzle is used, low blast pressure and rapid wear on the blast hose will occur. If too small a nozzle is used, smooth media flow will be difficult to achieve.

Description of Operation

The operator attaches the nozzle to the nozzle holder. Threaded nozzles require a holder with matching threads. CJD, CSD and CXD nozzles have 1-1/4-inch threads. TXD nozzles have Contractor threads (50 mm). Flange-style nozzles use a quickcoupling nozzle holder, which couples to most quick couplings. Clemco's nylon quick couplings have built-in lock springs to keep the couplings from becoming uncoupled. If other couplings are used, the operator must install pins to secure the

Description

Blast nozzle with venturi shaped tungsten carbide liner and metal jacket. Thread size and entry dimensions vary with nozzle series.



couplings.

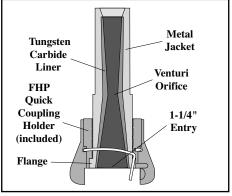
With all related equipment correctly assembled and tested, the operator points the nozzle at the surface to be cleaned and presses the remote control handle to begin blasting. The operator holds the nozzle at the appropriate distance and angle to the surface. The longer the nozzle, the greater the stand-off distance. The normal range for short-venturi nozzles is 12 to 18 inches. For long venturi nozzles, it is between 18 and 36 inches. The operator will determine the appropriate distance for the application.

The operator must check the nozzle and nozzle washer daily for damage or wear and replace as necessary. The nozzle should be replaced when the orifice wears 1/16-inch beyond its original size.

Advantages

- Rugged and durable aluminum jacket.
- Tungsten carbide is the most rugged and durable liner material and provides the best value.
- Expected wear-life when blasting with expendable abrasives is approximately 300 hours.
- TXD nozzles have large contractor threads, which eliminate galling or bind ing of the threads in the holder.
- CXD nozzles provide smooth transition from 1-1/4-inch blast hose to the

Nozzles Tungsten Carbide Lined Metal Jacketed Short Venturi: CJD Long Venturi: CSD, TXD, SDX, CXD



SDX shown

1-1/4-inch entry for users who prefer fine thread nozzles.

Replacement Parts

Specifications										
Nozzle	ozzle CJD CXD TXD SDX									
Model	CSD									
Mounting										
Thread	1-1/4"	1-1/4"	Contractor	*Flanged						
Entry										
Diameter	1"	1-1/4"	1-1/4"	1-1/4"						
Liner Tungsten Carbide										
Liner										
Style Venturi										
Jacket										
Material Aluminum										
*Flanged nozzle includes quick-coupling nozzle holder										

Autł	norized Distributor:
SI	INDELASTING
	MACHINES.COM 1-855-358-2850

ISO 9001 certified. Clemco is committed to continuous product improvement. Specifications are subject to change without notice.

© 2015 Clemco Industries Corp. • One Cable Car Drive • Washington, MO 63090 • Phone (636) 239-4300 • Fax (800) 726-07559 Stock No. 21986 info@clemcoindustries.com • www.clemcoindustries.com 1295 Rev. I 09/15

Compressed Air and Abrasive Consumption

Based on abrasives weighing 100 pounds per cubic foot, and compressor horsepower (HP) based on 4 to 4.5 cfm per horsepower.

NOTE: Figures vary depending upon working conditions. The effects of nozzle wear on air consumption must be considered when selecting nozzles and the compressors that support them.

Ortice 50 60 70 80 90 100 125 140 & HP requirements No. 2 (1/8") 11 13 15 17 18.5 20 25 28 Air (cfm) 67 77 88 101 1.12 1.23 1.52 1.70 Abrasire (cu.ft.hr & Lbs/hr) 2.5 3 3.5 4 4.5 5 5.6 6.2 Compressor hp No. 3 (3/16") 1.50 1.71 1.96 2.16 2.38 2.64 3.19 3.57 & Lbs/hr) Abrasive (cu.ft.hr No. 4 47 54 61 68 74 81 98 110 Air (cfm) No. 4 47 54 61 68 74 81 98 110 Air (cfm) No. 5 (5/68 3.12 3.54 4.08 4.48 4.94 6.08 6.81 Abrasive (cu.ft.hr 11 12 14 16 177	Nozzle	Pressure at the Nozzle (psi)								Air (in cfm) Abrasive	
No. 2 (1/8") .67 67 .77 77 88 8 1.01 112 1.22 123 1.52 152 1.70 170 Abrasive (cuft.hr. & Lbs/hr) No. 3 (3/16") 2.5 3 3.5 4 4.5 5 5.5 6.2 Air (cfm) No. 3 (3/16") 1.50 1.71 1.96 2.16 2.38 2.64 3.19 3.57 & Lbs/hr) No. 4 (1/4") 2.68 3.12 3.54 4.08 4.48 4.94 6.08 6.81 Abrasive (cu.ft.hr. & Lbs/hr) No. 4 2.68 3.12 3.54 4.08 4.48 4.94 6.08 6.81 Abrasive (cu.ft.hr. (1/4") 2.68 3.12 3.54 4.08 4.48 4.94 6.08 6.81 Abrasive (cu.ft.hr. (1/4") 2.68 3.12 3.54 4.08 4.48 4.94 6.08 6.81 Abrasive (cu.ft.hr. (1/4") 2.68 3.12 3.54 4.08 4.60 5.2 5.5 6.21 Abrasive (cu.ft.hr. <th></th> <th>50</th> <th>60</th> <th>70</th> <th>80</th> <th>90</th> <th>100</th> <th>125</th> <th>140</th> <th></th>		50	60	70	80	90	100	125	140		
				15	17	18.5	20		28		
No. 3 2.5 3 3.5 4 4.5 5 5.5 6.2 Compressor hp No. 3 1.50 1.71 1.96 2.16 2.38 2.64 3.19 3.57 & Abrasive (cu.fL/hr 150 171 196 2.16 2.38 2.64 3.19 3.57 & Lbs/hr) 6 7 8 9 10 10 12 13 Compressor hp No. 4 2.68 3.12 3.54 4.08 4.48 4.94 6.08 6.81 Abrasive (cu.fL/hr 11 12 14 16 17 18 22 25 Compressor hp No. 5 (5/16") 4.68 5.34 6.04 6.72 7.40 812 9.82 11.0 Abrasive (cu.fL/hr 468 5.34 6.04 6.72 7.40 812 9.82 11.0 Abrasive (cu.fL/hr 18 20 23 26 28 31 37											
No. 3 (3/16") 2.5 3 3.5 4 4.5 5 5.5 6.2 Compressor hp No. 3 (3/16") 26 30 33 38 41 4.5 5 5.5 6.2 Air (cfm) 1.50 1.71 1.96 2.16 2.38 2.64 3.19 3.57 Abrasive (cu.ft./hr & Lbs/hr) 6 7 8 9 10 10 12 13 Compressor hp No. 4 2.68 3.12 3.54 4.08 4.48 4.94 6.08 6.81 Abrasive (cu.ft./hr 11 12 14 16 17 18 22 25 Compressor hp No. 5 4.68 5.34 6.04 6.72 7.40 8.12 9.82 11.0 Abrasive (cu.ft./hr 18 20 23 26 28 31 37 41 Compressor hp No. 6 6.68 7.64 8.64 9.60 10.52 11.52 <td>(1/8")</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	(1/8")										
No. 3 (3/16") 1.50 150 1.71 171 1.96 196 2.16 216 2.38 2.84 2.64 319 3.57 3.57 Abrasive (cut.ft/m & Lbs/m) No. 4 (1/4") 47 54 61 68 74 81 98 110 12 13 Compressor hp & Lbs/m) No. 4 (1/4") 47 54 61 68 74 81 98 110 Air (cfm) No. 4 (1/4") 47 54 61 68 74 81 98 110 Air (cfm) No. 5 77 89 101 113 126 137 168 188 Air (cfm) No. 5 77 89 101 113 126 137 168 188 Air (cfm) 468 534 604 672 740 812 9.82 11.0 Abrasive (cu.ft./m & Lbs/m) 18 20 23 26 28 31 37 41 Compressor hp No. 6 108 126		2.5	3	3.5	4	4.5	5	5.5	6.2	Compressor hp	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		26	30	33	38	41	45	55	62	Air (cfm)	
No. 4 (1/4") 6 7 8 9 10 10 12 13 Compressor np No. 4 (1/4") 2.68 3.12 3.54 4.08 4.48 4.94 6.08 6.81 Abrasive (cu.ft/hr & t.bs/hr) No. 5 268 3.12 3.54 408 448 494 608 6.81 Abrasive (cu.ft/hr & t.bs/hr) No. 5 77 89 101 113 126 137 168 188 Air (cfm) 468 5.34 6.04 6.72 7.40 8.12 9.82 11.0 Abrasive (cu.ft./hr 468 5.34 604 67.72 740 8.12 9.82 11.0 Abrasive (cu.ft./hr $(5/16")$ 468 5.34 604 6052 1152 13.93 15.60 Abrasive (cu.ft./hr $(3/8")$ 268 7.64 8.64 9.60 1052 11.52 13.33 15.60					2.16		2.64	3.19	3.57		
No. 4 (1/4") 7 8 9 10 10 12 13 Compressor np No. 4 (1/4") 2.68 3.12 3.54 4.08 4.48 4.94 6.08 6.81 Abrasive (cu.ft/hr & t.bs/hr) No. 5 268 3.12 3.54 408 448 494 608 6.81 Abrasive (cu.ft/hr & t.bs/hr) No. 5 77 89 101 113 126 137 168 188 Air (cfm) 468 5.34 6.04 6.72 7.40 8.12 9.82 11.0 Abrasive (cu.ft./hr 468 5.34 604 677 77 89 101 113 126 137 168 188 Air (cfm) $(5/16")$ 468 5.34 604 960 10.52 11.52 13.93 15.60 Abrasive (cu.ft./hr $(3/8")$ 24 28 32 36 31	(3/16")						264				
No. 4 (1/4") 2.68 268 268 312 3.12 354 3.54 408 4.48 448 4.94 494 6.08 608 6.81 681 Abrasive (cu.ft./hr & Lbs/hr) No. 5 (5/16") 77 89 101 113 126 137 168 188 Air (cfm) No. 5 (5/16") 4.68 5.34 6.04 6.72 7.40 8.12 9.82 11.0 Abrasive (cu.ft./hr & Lbs/hr) 18 20 23 26 28 31 37 41 Compressor hp No. 6 (3/8") 6.68 7.64 8.64 9.60 10.52 11.52 13.93 15.60 Abrasive (cu.ft./hr & Lbs/hr) 24 28 32 36 39 44 52 58 Compressor hp No. 7 (7/16") 147 170 194 217 240 254 314 352 Air (cfm) No. 7 (7/16") 147 170 194 217 240 254 314 352 Air (cfm) No. 7 (7/16") 896	(0.00)	6	7	8	9	10	10	12	13	Compressor hp	
		47	54	61	68	74	81	98	110	Air (cfm)	
No. 5 (5/16")1112141617182225Compressor hpNo. 5 (5/16")7789101113126137168188Air (cfm)4685346.046.727.408.129.8211.00& Loshri885346.046.727408129821100& Loshri1820232628313741Compressor hpNo. 6 (3/8")108126143161173196237265Air (cfm)No. 6 (3/8")6687.648.649.6010.5211.5213.9315.60Abrasive (cu.ft./hr2428323639445258Compressor hpNo. 7 (7/16")147170194217240254314352Air (cfm)89610.3211.7613.1214.4815.8419.3121.63Abrasive (cu.ft./hr89610.3211.7613.1214.4815.8419.3121.63Abrasive (cu.ft./hr89610.3211.7613.1214.4815.8419.3121.63Abrasive (cu.ft./hr89610.3211.7613.1214.4815.8419.3121.63Abrasive (cu.ft./hr89610.3211.7613.1214.4815.8419.3121.63Abrasive (cu.ft./hr89610.3211.7613.12		2.68	3.12	3.54	4.08	4.48	4.94	6.08	6.81	Abrasive (cu ft /hr	
No. 5 (5/16") 11 12 14 16 17 18 22 25 Compressor hp No. 5 (5/16") 77 89 101 113 126 137 168 188 Air (cfm) 468 534 6.04 6.72 7.40 8.12 9.82 11.00 & Abrasive (cu.ft./hr 18 20 23 26 28 31 37 41 Compressor hp No. 6 6.68 7.64 8.64 9.60 10.52 11.52 13.93 15.60 Abrasive (cu.ft./hr 24 28 32 36 39 44 52 58 Compressor hp No. 7 147 170 194 217 240 254 314 352 Air (cfm) No. 7 147 170 194 217 240 254 314 352 Air (cfm) 896 1032 11.76 1312 1448 1584 1931 <td< td=""><td>(1/4")</td><td>268</td><td>312</td><td>354</td><td>408</td><td>448</td><td>494</td><td>608</td><td>681</td><td></td></td<>	(1/4")	268	312	354	408	448	494	608	681		
No. 5 (5/16")4.68 4685.34 5.346.04 6046.72 6727.40 7408.12 812 9829.82 98211.0 1100Abrasive (cu.ft./hr & Lbs/hr)No. 6 (3/8")108 6.68126 7.64143 8.64161 9.60 10.5217.3 11.52196 13.93237 15.60 15.60Abrasive (cu.ft./hr & Lbs/hr)No. 6 (3/8")108 6.68 6.68 7.641.61 8.6417.3 9.60 10.52196 1.5213.93 1.5215.60 1.52Abrasive (cu.ft./hr & Abrasive (cu.ft./hr & Lbs/hr)No. 7 (7/16")147 8.96 10.32 10.3211.76 11.76 13.1214.48 14.48 15.8415.84 19.31 19.31 21.63 21.63 21.63Abrasive (cu.ft./hr & Abrasive (cu.ft./hr &		11	12	14	16	17	18	22	25	Compressor hp	
No. 5 (5/16") 4.68 5.34 6.04 6.72 7.40 8.12 9.82 11.0 Abrasive (cu.ft./hr & Lbs/hr)1820232628313741Compressor hpNo. 6 (3/8")10812614316117.3196237265Air (cfm) & Lbs/hr)No. 6 (3/8")10812614316117.3196237265Air (cfm) & Abrasive (cu.ft./hr & Lbs/hr)No. 6 (3/8")6687.648.649.6010.5211.5213.9315.60Abrasive (cu.ft./hr & Lbs/hr)2428323639445258Compressor hpNo. 7 (7/16")147170194217240254314352Air (cfm) & Abrasive (cu.ft./hr & Lbs/hr)89610.3211.7613.1214.4815.8419.3121.63 & Abrasive (cu.ft./hr & Abrasive (cu.ft./hr & Abrasive (cu.ft./hr & Abrasive (cu.ft./hr & Abrasive (cu.ft./hr & Abrasive (cu.ft./hrNo. 8 (1/2")195224252280309356Air (cfm) & Abrasive (cu.ft./hr & Abrasive (cu.f		77	89	101	113	126	137	168	188	Air (cfm)	
No. 6 (3/8") 18 20 23 26 28 31 37 41 Compressor hp No. 6 (3/8") 108 126 143 161 173 196 237 265 Air (cfm) 6.68 7.64 8.64 9.60 10.52 11.52 13.93 15.60 Abrasive (cu.ft./hr & Lbs/hr) 24 28 32 36 39 44 52 58 Compressor hp No. 7 147 170 194 217 240 254 314 352 Air (cfm) 8.96 10.32 11.76 13.12 14.48 15.84 19.31 21.63 & Abrasive (cu.ft./hr 8.96 10.32 11.76 13.12 14.48 15.84 19.31 21.63 & Abrasive (cu.ft./hr 33 38 44 49 54 57 69 77 Compressor hp No. 8 11.60 13.36 15.12 16.80 18.56 20.24		4.68	5.34	6.04	6.72	7.40		9.82	11.0	Abrasive (cu.ft./hr	
No. 6 (3/8") 18 20 23 26 28 31 37 41 Compressor hp No. 6 (3/8") 108 126 143 161 173 196 237 265 Air (cfm) 6.68 7.64 8.64 9.60 10.52 11.52 13.93 15.60 Abrasive (cu.ft./hr & Lbs/hr) 24 28 32 36 39 44 52 58 Compressor hp No. 7 147 170 194 217 240 254 314 352 Air (cfm) 8.96 10.32 11.76 13.12 14.48 15.84 19.31 21.63 & Abrasive (cu.ft./hr 8.96 10.32 11.76 13.12 14.48 15.84 19.31 21.63 & Abrasive (cu.ft./hr 33 38 44 49 54 57 69 77 Compressor hp No. 8 11.60 13.36 151.2 16.80 18.56 20.24	(5/16")	468	534	604	672	740	812	982	1100	& Lbs/hr)	
No. 6 (3/8")6.68 6687.64 7648.64 8649.60 96010.52 115211.52 139315.60 1560Abrasive (cu.ft/hr & Lbs/hr)No. 7 (7/16")147 8.9610.32 11.7611.76 13.1213.12 14.4814.48 158419.31 121.6321.63 Abrasive (cu.ft/hr & Lbs/hr)No. 7 		18	20	23	26	28	31	37	41	Compressor hp	
(3/8") 0.03 7.04 8.04 9.00 10.52 11.52 13.93 15.00 Abrasive (cd.1c/hr) 24 28 32 36 39 44 52 58 Compressor hp No. 7 147 170 194 217 240 254 314 352 Air (cfm) 8.96 10.32 11.76 13.12 14.48 15.84 19.31 21.63 Abrasive (cu.ft./hr 896 1032 1176 1312 14.48 15.84 19.31 21.63 Abrasive (cu.ft./hr 33 38 44 49 54 57 69 77 Compressor hp No. 8 11.60 13.36 15.12 16.80 18.56 20.24 24.59 27.54 Abrasive (cu.ft./hr 44 50 56 63 69 75 90 101 Compressor hp No. 10 308 356 404 452 504 548 598		108	126	143	161	173	196	237	265	Air (cfm)	
(3/8") 668 764 864 960 1052 1152 1393 1560 & Lbs/hr) No. 7 24 28 32 36 39 44 52 58 Compressor hp No. 7 147 170 194 217 240 254 314 352 Air (cfm) 8.96 10.32 11.76 13.12 14.48 15.84 19.31 21.63 Abrasive (cu.ft./hr 896 1032 1176 1312 1448 15.84 19.31 21.63 Abrasive (cu.ft./hr 896 1032 1176 1312 1448 15.84 19.31 21.63 Abrasive (cu.ft./hr 896 1032 1152 16.80 18.56 20.24 24.59 27.54 Abrasive (cu.ft./hr 1160 13.36 1512 16.80 18.56 20.24 24.59 27.54 Abrasive (cu.ft./hr 1160 13.36 1512 16.80 1856 20.24		6.68	7.64	8.64	9.60	10.52	11,52	13.93	15,60	Abrasive (cu.ft./hr	
No. 7 (7/16") 24 28 32 36 39 44 52 58 Compressor hp No. 7 (7/16") 147 170 194 217 240 254 314 352 Air (cfm) 8.96 10.32 11.76 13.12 14.48 15.84 19.31 21.63 Abrasive (cu.ft./hr & Lbs/hr) 33 38 44 49 54 57 69 77 Compressor hp No. 8 11.60 13.36 15.12 16.80 18.56 20.24 25.9 27.54 Abrasive (cu.ft./hr & Lbs/hr) 1160 13.36 15.12 16.80 18.56 20.24 2459 27.54 Abrasive (cu.ft./hr & Lbs/hr) 44 50 56 63 69 75 90 101 Compressor hp No. 10 18.75 21.4 24.22 26.9 29.73 32.5 35.22 37.98 Abrasive (cu.ft./hr & Lbs/hr) 68.5 79.5 90 100.5	(3/8")	668	764	864	960	1052	1152	1393	1560		
No. 7 (7/16") 8.96 896 10.32 1032 11.76 1176 13.12 1312 14.48 1448 15.84 1584 19.31 1931 21.63 2163 Abrasive (cu.ft/hr & Lbs/hr) No. 8 (1/2") 195 224 252 280 309 338 409 458 Air (cfm) No. 8 (1/2") 11.60 13.36 15.12 16.80 18.56 20.24 2459 27.54 Abrasive (cu.ft/hr & Lbs/hr) No. 10 (5/8") 308 356 404 452 504 548 598 646 Air (cfm) No. 10 (5/8") 308 356 404 452 504 548 598 646 Air (cfm) No. 10 (5/8") 18.75 21.4 24.22 26.9 29.73 32.5 35.22 37.98 Abrasive (cu.ft/hr & Lbs/hr) No. 12 432 504 572 644 692 784 844 914 Air (cfm) No. 12 432 504 572 644 692 784 844 914 <td></td> <td>24</td> <td>28</td> <td>32</td> <td>36</td> <td>39</td> <td>44</td> <td>52</td> <td>58</td> <td>Compressor hp</td>		24	28	32	36	39	44	52	58	Compressor hp	
No. 7 (7/16") 8.96 896 10.32 1032 11.76 1176 13.12 1312 14.48 1448 15.84 15.84 19.31 19.31 21.63 21.63 Abrasive (cu.ft/hr & Lbs/hr) No. 8 (1/2") 195 224 252 280 309 33 44 49 54 57 69 77 Compressor hp No. 8 (1/2") 11.60 13.36 15.12 16.80 18.56 20.24 2459 27.54 Abrasive (cu.ft./hr & Lbs/hr) No. 10 (5/8") 308 356 404 452 504 548 598 646 Air (cfm) No. 10 (5/8") 308 356 404 452 504 548 598 646 Air (cfm) No. 10 (5/8") 308 356 404 452 504 548 598 646 Air (cfm) No. 10 (5/8") 18.75 21.4 24.22 26.9 29.73 32.5 35.22 37.98 & Lbs/hr) No. 12 432 504 572 644 <		147	170	194	217	240	254	314	352	Air (cfm)	
No. 8 (1/2") 33 38 44 49 54 57 69 77 Compressor hp No. 8 (1/2") 195 224 252 280 309 338 409 458 Air (cfm) 11.60 13.36 15.12 16.80 18.56 20.24 24.59 27.54 Abrasive (cu.ft./hr & Lbs/hr) 44 50 56 63 69 75 90 101 Compressor hp No. 10 (5/8") 308 356 404 452 504 548 598 646 Air (cfm) 18.75 21.4 24.22 26.9 29.73 32.5 35.22 37.98 Abrasive (cu.ft./hr & Lbs/hr) 18.75 21.40 2422 26.90 29.73 32.50 35.22 37.98 & Lbs/hr) 68.5 79.5 90 100.5 112 122 133 143.7 Compressor hp No. 12 432 504 572 644 692 784 </td <td></td> <td></td> <td></td> <td>11.76</td> <td>13.12</td> <td>14.48</td> <td>15,84</td> <td></td> <td></td> <td>Abrasive (cu.ft./hr</td>				11.76	13.12	14.48	15,84			Abrasive (cu.ft./hr	
No. 8 (1/2") 33 38 44 49 54 57 69 77 Compressor hp No. 8 (1/2") 195 224 252 280 309 338 409 458 Air (cfm) 11.60 13.36 15.12 16.80 18.56 20.24 24.59 27.54 Abrasive (cu.ft./hr & Lbs/hr) 44 50 56 63 69 75 90 101 Compressor hp No. 10 308 356 404 452 504 548 598 646 Air (cfm) 18.75 21.4 24.22 26.9 29.73 32.5 35.22 37.98 Abrasive (cu.ft./hr (5/8") 1875 21.4 24.22 26.90 29.73 32.50 35.22 37.98 Abrasive (cu.ft./hr (5/8") 1875 21.40 24.22 26.90 29.73 32.50 35.22 37.98 Abrasive (cu.ft./hr 68.5 79.5 90 100.5	(7/16")	896	1032	1176	1312	1448	1584	1931	2163	& Lbs/hr)	
No. 8 (1/2") 11.60 1336 15.12 1512 16.80 1856 18.56 2024 24.59 2459 27.54 27.54 Abrasive (cu.ft/hr & Lbs/hr) No. 10 (5/8") 308 1875 356 21.4 404 452 26.9 504 548 598 646 Air (cfm) No. 10 (5/8") 1875 21.4 24.22 26.9 29.73 32.5 35.22 37.98 Abrasive (cu.ft/hr & Lbs/hr) No. 12 432 504 572 644 692 784 844 914 Air (cfm) No. 12 432 504 572 644 692 784 844 914 Air (cfm)		33	38	44	49	54	57	69	77	Compressor hp	
No. 8 (1/2") 11.60 1336 15.12 1512 16.80 1856 18.56 2024 24.59 2459 27.54 27.54 Abrasive (cu.ft/hr & Lbs/hr) No. 10 (5/8") 308 1875 356 21.4 404 452 26.9 504 548 598 646 Air (cfm) No. 10 (5/8") 1875 21.4 24.22 26.9 29.73 32.5 35.22 37.98 Abrasive (cu.ft/hr & Lbs/hr) No. 12 432 504 572 644 692 784 844 914 Air (cfm) No. 12 432 504 572 644 692 784 844 914 Air (cfm)		195	224	252	280	309	338	409	458	Air (cfm)	
(1/2") 1160 1336 1512 1680 1856 2024 2459 2754 & Lbs/hr) 44 50 56 63 69 75 90 101 Compressor hp No. 10 308 356 404 452 504 548 598 646 Air (cfm) 18.75 21.4 24.22 26.9 29.73 32.5 35.22 37.98 Abrasive (cu.ft/hr & Lbs/hr) 18.75 2140 2422 2690 2973 3250 3522 37.98 Abrasive (cu.ft/hr & Lbs/hr) 68.5 7.9.5 90 100.5 112 122 133 143.7 Compressor hp No. 12 432 504 572 644 692 784 844 914 Air (cfm) Abrasive (cu.ft/hr 26.72 30.56 34.56 34.56 34.60 49.92 53.78 Abrasive (cu.ft/hr											
44 50 56 63 69 75 90 101 Compressor hp No. 10 (5/8") 308 18.75 356 21.4 404 24.22 452 26.9 504 29.73 548 32.5 598 35.22 646 37.98 Air (cfm) Abrasive (cu.ft/hr & Lbs/hr) 18.75 2140 68.5 2422 2690 2973 3250 3522 37.98 Abrasive (cu.ft/hr & Lbs/hr) 86.5 79.5 90 100.5 112 122 133 143.7 No. 12 432 26.72 504 34.56 38.4 42.08 46.08 49.92 53.78 Abrasive (cu.ft/hr & Lbs/hr)	(1/2")		1336		1680	1856				& Lbs/hr)	
No. 10 (5/8") 18.75 1875 21.4 2140 24.22 2422 26.9 2690 29.73 2973 32.5 3522 35.22 3798 37.98 & Lbs/hr) No. 12 432 504 572 644 692 784 844 914 Air (cfm) No. 12 26.72 30.56 34.56 38.4 42.08 46.08 49.92 53.78 Abrasive (cu.ft/hr	(44	50	56	63	69		90		Compressor hp	
No. 10 (5/8") 18.75 1875 21.4 2140 24.22 2422 26.9 2690 29.73 2973 32.5 3522 35.22 3798 37.98 & Lbs/hr) No. 12 432 504 572 644 692 784 844 914 Air (cfm) No. 12 26.72 30.56 34.56 38.4 42.08 46.08 49.92 53.78 Abrasive (cu.ft/hr		308	356	404	452	504	548	598	646	Air (cfm)	
(5/8") 1875 2140 2422 2690 2973 3250 3522 3798 & Lbs/hr) 68.5 79.5 90 100.5 112 122 133 143.7 Compressor hp No. 12 432 504 572 644 692 784 844 914 Air (cfm) Abrasive (cu.ft/hr 34.56 38.4 42.08 46.08 49.92 53.78 Abrasive (cu.ft/hr	No. 10										
68.5 79.5 90 100.5 112 122 133 143.7 Compressor hp No. 12 432 504 572 644 692 784 844 914 Air (cfm) 26.72 30.56 34.56 38.4 42.08 46.08 49.92 53.78 Abrasive (cu.ft/hr	(5/8")										
No. 12 26.72 30.56 34.56 38.4 42.08 46.08 49.92 53.78 Abrasive (cu.ft./hr	(0,0)									Compressor hp	
No. 12 26.72 30.56 34.56 38.4 42.08 46.08 49.92 53.78 Abrasive (cu.ft./hr		432	504	572	644	692	784	844	914	Air (cfm)	
(3/4 ¹¹) 2672 3056 3456 3840 4208 4608 4992 5378 & Lbs/hr)	(3/4")									& Lbs/hr)	
96 112 127 143 154 174,5 188 203,2 Compressor hp										Compressor hp	

Nozzle Stock Number, Dimensions, & Weights

]	Model No.	Stock No.	Orifice ID	Length	Net Wt	Pkg'd Wt	Holder	Washer
Fine 1-1/4" Thread	1 " Entry	CJD-3 CJD-4 CJD-5 CJD-6 CJD-7 CJD-8	01378 01379 01380 01381 01382 01383	3/16" 1/4" 5/16" 3/8" 7/16" 1/2"	3-1/8" 3-1/8" 3-1/8" 3-1/8" 3-1/8" 3-1/8"	.70 lb .70 lb .70 lb .80 lb .80 lb .90 lb	1 lb 1 lb 1 lb 1 lb 1 lb 1 lb 1 lb	HEP series or CFP 07716	NW-4 NW-4 NW-4 NW-4 NW-4 NW-4
Fine 1-1/4" Thread	1" Entry	CSD-3 CSD-4 CSD-5 CSD-6 CSD-7 CSD-8	01384 01385 01386 01387 01388 01388 01389	3/16" 1/4" 5/16" 3/8" 7/16" 1/2"	4-1/4" 5-3/8" 5-3/4" 6-3/4" 8" 9"	1.1 lb 1.3 lb 1.3 lb 1.6 lb 2 lb 2.4 lb	1.5 lb 1.5 lb 1.5 lb 2 lb 2 lb 2.5	HEP series or CFP 07716	NW-4 NW-4 NW-4 NW-4 NW-4 NW-4
Fine 1-1/4" Thread	1-1/4" Entry	CXD-6 CXD-7 CXD-8	23460 23461 23462	3/8" 7/16" 1/2"	6-3/4" 8" 9"	1.6 lb 2 lb 2.5 lb	2 lb 2 lb 2.5 lb	HEP series or CFP 07716	NW-5 NW-5 NW-5
Contractor Thread	1-1/4" Entry	TXD-6 TXD-7 TXD-8	99147 99148 99149	3/8" 7/16" 1/2"	6-3/4" 8" 9-9/16"	1.9 lb 2 lb 2 lb	2 lb 2.5 lb 2.5 lb	NHP 2 or 3, CFPM 07719	NW-32 NW-32 NW-32
Flanged	1-1/4" Entry	SDX-6 SDX-7 SDX-8 SDX-10 SDX-12	01394 01395 01396 01397 01398	3/8" 7/16" 1/2" 5/8" 3/4"	6-3/4" 8-3/4" 9-3/16" 9-3/16" 9"	2.2 lb 2.2 lb 2.4 lb 2.8 lb 2.9 lb	3 lb 3 lb 3 lb 3.5 lb 3.5 lb 3.5 lb	FHP incl.w/ nozzle	Coupling gasket serves as nozzle washer