

AIR CONSUMPTION TABLES

SUCTION BLAST				
		CUBIC FEET PER MNUTE		
AIR JET DIAMETER	BLAST NOZZLE DIAMETER	40 PSIG	60 PSIG	80 PSIG
1/16"	1/8"	3.5	4.5	5.5
1/8"	1/4"	13.5	18.0	22.0
3/16"	3/8"	30.0	40.0	50.0
1/4"	1/2"	54.0	75.0	90.0
4.0 MM (zapper)	8.0mm	20	25.0	30.0

PRESSURE BLAST				
	CUBIC FEET PER MINUTE			
NOZZLE DIAMETER	40 PSIG	60 PSIG	80 PSIG	100 PSIG
3/16"	22.5	30.0	38.0	45.0
1/4"	40.0	55.0	70.0	80.0
5/16"	71.0	90.0	115.0	140.0
3/8"		125.0	160.0	200.0
7/16"		170.0	215.0	255.0
1/2"		225.0	275.0	340.0
5/8"		350.0	450.0	550.0
3/4"		500.0	650.0	800.0

BLAST HOSE	
NOZZLE DIAMETER	HOSE BORE INSIDE DIAMETER
1/8"	3/8"
3/16"	1/2"
1/4"	3/4"
5/16"	1"
3/8"	1" – 1 1/4"
7/16"	1 1/4"
1/2"	1 1/4" – 1 1/2"

Nozzle to Hose ratio should be 1 to 9

Example 5/16" nozzle area = 0.0767 x 9 = 0.6903 square inch

Nearest commercial size = 1.0 inch (bore 0.786 square inch)