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AIR FLOW THROUGH PRESSURE BLAST NOZZLE
CFM

Blast Pressure	20	25	30	35	40	45	50	60	70	80	90	100	120
Nozzle Diameter													
1/8"	7	7	8	9	10	12	13	14	15	17	19	20	
3/16"	15	16	18	20	22	24	26	30	33	38	41	45	
1/4"	27	30	32	37	41	45	49	55	61	68	74	81	97
5/16"	42	46	50	57	64	70	76	88	101	113	126	137	152
3/8"	55	63	73	82	91	100	109	126	143	161	173	196	220
7/16"	72	85	99	112	124	137	149	170	194	217	240	254	300
1/2"	96	112	129	146	163	179	194	224	252	280	309	338	392
5/8"								356	404	452	504	548	611

AIR FLOW THROUGH SUCTION BLAST GUN
CFM

Blast Pressure		30	40	50	60	70	80	90	100
Nozzle Size	Air Jet Size								
1/4	1/8	10	12	15	17	19	21	23	26
5/16	5/32	15	19	23	27	31	37	38	42
3/8	3/16	24	29	35	39	45	50	56	62
7/16	7/32	31	38	45	52	59	66	73	80

The general rule for sizing compressors: 4 CFM per Horsepower
Example: 4 CFM/ HP X 5 HP = 20 CFM

Dew Point:

A dew point 10°F below the coldest ambient air temperature that the air supply lines are exposed to is acceptable. Usually a 40°F dew point will provide dry air to air blast equipment.

Refrigerant Dryer: Is capable of providing 40°F dew point compressed air.

Desiccant Dryer: Creates very dry air - 40°F dew point compressed air.

Mechanical Drying: Not practical for volume of compressed air used for air blast equipment.

Particulate Contamination:

No particulate greater than 50 micron for solenoids, cylinders, and air operated valves. Filtration size will depend on the component manufacturer's requirements.

Oil:

Clean air, no oil or oil aerosols that will contaminate the blast media and parts during the air blast process.

Empire Abrasive Equipment Co.

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rev. 02/03, 8/13, REV 09/12 ADDED LOGO-NAME