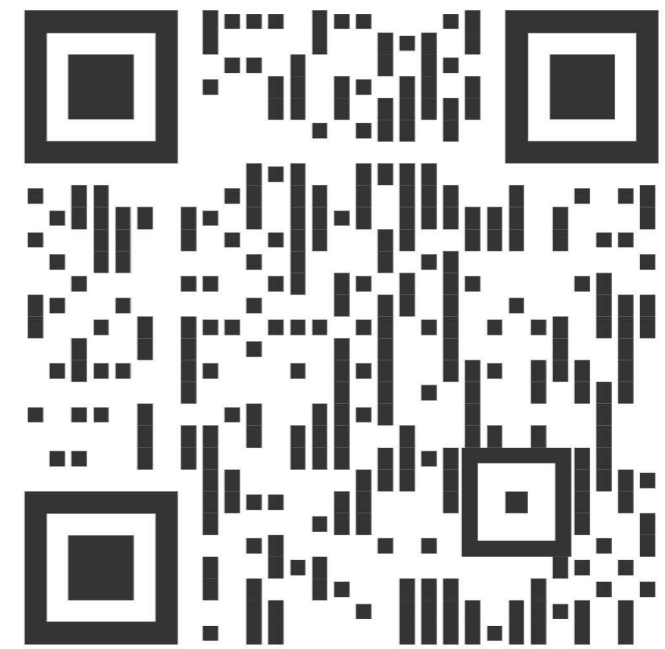




# COMPRESSED AIR REQUIREMENTS & ABRASIVE CONSUMPTION

Consumption rates are based on abrasives  
that weigh 100 lbs per cubic foot

Nozzle Orifice	Pressure At The Nozzle (psi)							Air, Power & Abrasive Requirements
	50	60	70	80	90	100	125	
No. 2 1/8"	11	13	15	17	18.5	20	25	Air (cfm)
	67	77	88	101	112	123	152	Abrasive (lb/hr)
	2.5	3	3.5	4	4.5	5	5.5	Compressor (hp)
No. 3 3/16"	26	30	33	38	41	45	55	Air (cfm)
	150	171	196	216	238	264	319	Abrasive (lb/hr)
	6	7	8	9	10	10	12	Compressor (hp)
No. 4 1/4"	47	54	61	68	74	81	98	Air (cfm)
	268	312	354	408	448	494	608	Abrasive (lb/hr)
	11	12	14	16	17	18	22	Compressor (hp)
No. 5 5/16"	77	89	101	113	126	137	168	Air (cfm)
	468	534	604	672	740	812	982	Abrasive (lb/hr)
	18	20	23	26	28	31	37	Compressor (hp)
No. 6 3/8"	108	126	143	161	173	196	237	Air (cfm)
	668	764	864	960	1052	1152	1393	Abrasive (lb/hr)
	24	28	32	36	39	44	52	Compressor (hp)
No. 7 7/16"	147	170	194	217	240	254	314	Air (cfm)
	896	1032	1176	1312	1448	1584	1931	Abrasive (lb/hr)
	33	38	44	49	54	57	69	Compressor (hp)
No. 8 1/2"	195	224	252	280	309	338	409	Air (cfm)
	1160	1336	1512	1680	1856	2024	2459	Abrasive (lb/hr)
	44	50	56	63	69	75	90	Compressor (hp)



Nozzle Model	Pressure System PSI					Gun Model	Suction System PSI					Air, Media & Power Requirements
	Nozzle Orifice	50	60	70	80		90	Air Jet Orifice	50	60	70	
<b>No. 2</b> <b>1/8"</b>	11	13	15	17	18.5	<b>No. 3</b> <b>3/32"</b>	8.2	9.5	10.8	12.0	13.3	<b>Air (cfm)</b>
	.7	.8	.9	1	1.1		0.4	0.4	0.5	0.5	0.6	<b>Media (cfh)</b>
	2.5	3	3.5	4	4.5		2.25	2.5	2.75	3	3.5	<b>Compressor (hp)</b>
<b>No. 3</b> <b>3/16"</b>	26	30	33	38	41	<b>No. 4</b> <b>1/8"</b>	15	17	19	21	24	<b>Air (cfm)</b>
	1.5	1.8	2.0	2.2	2.4		0.7	0.8	0.9	1.0	1.1	<b>Media (cfh)</b>
	6	7	8	9	10		3.75	4.25	4.75	5.25	6	<b>Compressor (hp)</b>
<b>No. 4</b> <b>1/4"</b>	47	54	61	68	74	<b>No. 5</b> <b>5/32"</b>	23	26	30	33	37	<b>Air (cfm)</b>
	2.7	3.1	3.5	4.1	4.5		1.2	1.3	1.5	1.7	1.9	<b>Media (cfh)</b>
	11	12	14	16	17		5.75	6.5	7.5	8.25	9.25	<b>Compressor (hp)</b>
<b>No. 5</b> <b>5/16"</b>	77	89	101	113	126	<b>No. 6</b> <b>3/16"</b>	33	38	43	48	53	<b>Air (cfm)</b>
	4.6	5.3	6.0	6.7	7.4		1.7	1.9	2.2	2.4	2.6	<b>Media (cfh)</b>
	18	12	23	26	28		8.25	9.5	10.75	12.0	13.25	<b>Compressor (hp)</b>
<b>No. 6</b> <b>3/8"</b>	108	126	143	161	173	<b>No. 7</b> <b>7/32"</b>	45	51	59	66	72	<b>Air (cfm)</b>
	6.7	7.6	8.6	9.6	10.5		2.2	2.6	2.9	3.3	3.6	<b>Media (cfh)</b>
	24	28	32	36	39		11.25	12.75	14.75	16.5	18.0	<b>Compressor (hp)</b>

**Pressure System**

Ratio: hose ID to nozzle orifice ID should be between 3:1 and 4:1

**Suction System**

Ratio: nozzle orifice ID to air jet orifice ID should be 2:1

**Air & Media Consumption**  
 Figures shown are for general reference only; many variables affect actual consumption. Rely on actual experience for job decision-making