

Air Consumption at the Nozzle

Values shown as m³/min (CFM). Use to match compressors, hoses and air treatment.

Nozzle bore	3.4 bar/50 psi	4.0 bar/60 psi	4.8 bar/70 psi	5.5 bar/80 psi	6.2 bar/90 psi	7.0 bar/100 psi
	m³/min (CFM)	m³/min (CFM)	m³/min (CFM)	m³/min (CFM)	m³/min (CFM)	m³/min (CFM)
1/8" / 3.0mm	0.31 (11)	0.37 (13)	0.43 (15)	0.48 (17)	0.51 (18)	0.57 (20)
3/16" / 5.0mm	0.73 (26)	0.84 (30)	0.92 (33)	1.06 (38)	1.15 (41)	1.26 (45)
1/4" / 6.5mm	1.31(47)	1.51(54)	1.71 (61)	1.90 (68)	2.08 (74)	2.27 (81)
5/16" / 8.0mm	2.16 (77)	2.50 (89)	2.83 (101)	3.16 (113)	3.53 (126)	3.84 (137)
3/8" / 9.5mm	3.02 (108)	3.53 (126)	4.00 (143)	4.50 (161)	4.85 (173)	5.50 (196)
7/16" / 11.0mm	4.12 (147)	4.76 (170)	5.44 (194)	6.09 (217)	6.73 (240)	7.11 (254)
1/2" / 12.5mm	5.46 (195)	6.28 (224)	7.06 (252)	7.85 (280)	8.65 (309)	9.46 (338)

Guidance: Ensure compressor Free Air Delivery (FAD) meets or exceeds the CFM at your working pressure.

Account for line losses and multiple tools running.

Reference: Standard venturi nozzle consumption figures. 1 cfm = 0.0283168 m³/min.

Typical bores: 1/4" (6.5 mm), 5/16" (8.0 mm), 3/8" (9.5 mm), 7/16" (11.0 mm), 1/2" (12.5 mm).

Talk to an engineer: **0114 254 0600**

EMAIL: hc.sales@surfaceprep.com

