

# Precision Air Products LAMI-VENT™ Supply Diffuser

## Product Performance Data for Model PAT-A (20-40 CFM/ft<sup>2</sup>)

Table 1: Air Flow Performance Data

AVERAGE VELOCITIES BELOW MODULES @ 10°F D.T.D. <sup>1</sup>						
FACE VELOCITY (CFM/FT <sup>2</sup> ) <sup>2</sup>	DISTANCE BELOW FACE (FT)					
	1	2	3	4	5	6
<b>20</b>	54	55	55	54	49	42
<b>25</b>	62	66	69	67	58	48
<b>30</b>	71	73	73	71	62	50
<b>35</b>	78	79	80	78	71	60
<b>40</b>	88	89	88	86	80	73

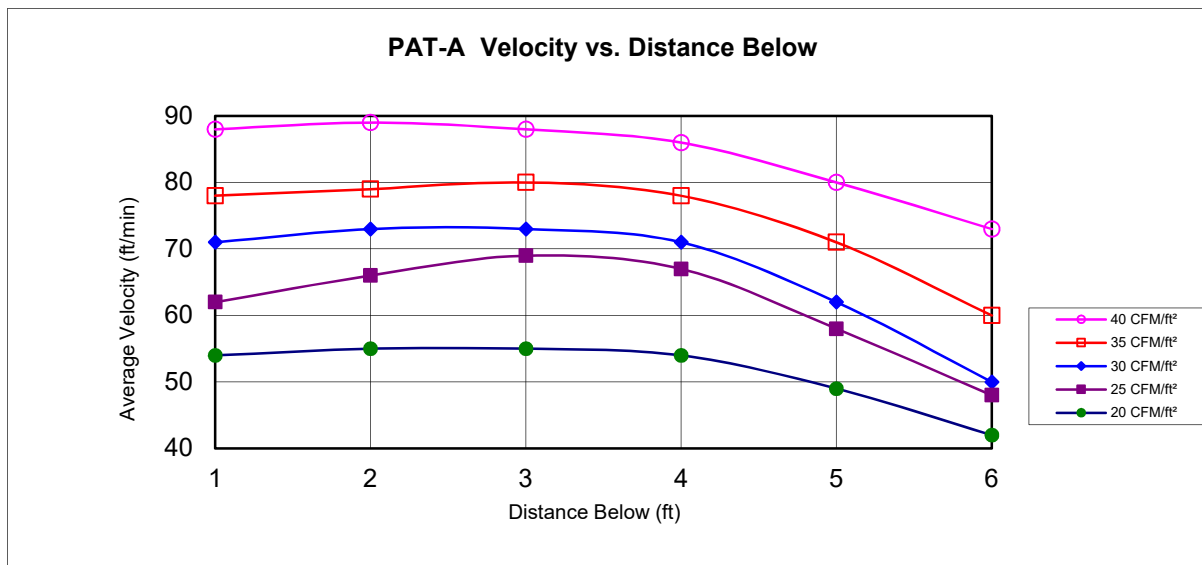


Table 2: Static Pressure & Noise Measurement

STATIC PRESSURE AND SOUND LEVEL		
CFM/FT <sup>2</sup>	DUCT APPLICATION	
	STATIC PRESSURE <sup>3</sup>	N.C. LEVEL <sup>4,5</sup>
<b>20</b>	0.04	<15
<b>25</b>	0.06	20
<b>30</b>	0.09	25
<b>35</b>	0.12	32
<b>40</b>	0.16	36

- 1 = D.T.D. (Design Temperature Differential) is the difference between primary entering air temperature and designed room temperature.
- 2 = Data reflects performance for standard 24"x 48" module with 9 3/4" dia. top inlet with volume adjustment valve in full open position.
- 3 = Static pressure measured in inches of water.
- 4 = The diffuser testing was performed in accordance with the ASHRAE 70-2006 Standard "Method of Testing for Rating Performance of Air Inlets and Outlets".
- 5 = N.C. Level reflects a 10 dB room attenuation (industry standard attenuation factor).