

Parameter specification

■ Main technical parameters

Model		VEL/VTL-07-H/L	VEL/VTL-10-H/L
Work pressure		2 ... 7bar	
Rated working pressure		4bar	
Working medium		Compressed air, in compliance ISO 8573-1:2010 [7:4:4]	
Precautions for working/pilot medium		Do not work with lubricating media	
Ambient temperature		0 ... +50°C	
Medium temperature		0 ... +50°C	
Certification		CE Certification	
Protection grade		IP40	
Nozzle diameter		0.7mm	1.0mm
Width		15mm	
Filtration grade		40µm	
Installation method		Through the through hole	
		On the airway board	
Jet characteristics	VEL/VTL-...-H	High vacuum degree/Standard	
	VEL/VTL-...-L	Large extraction volume/Standard	
Structural features of the muffler		Open end	
Integrated function		Electrically controlled switch valve	
		Filter	
		Open muffler	
		Jet pulse, electronic control	
		Cut costs	
		Vacuum pressure switch	
Valve function		Normally closed/normally open	
Manual control device		Button-type/self-locking type	

■ Performance parameters - High vacuum degree

Model	VEL/VTL-07-H	VEL/VTL-10-H
Maximum vacuum degree	-92KPa	
Stress at work, for maximum vacuum	4.5bar	3.8bar
Working pressure for maximum pumping	4bar	
Maximum pumping with respect to the atmosphere	17L/min	21L/min
Pumping time, rated working pressure 4 bar (For a liter capacity) ¹⁾	1.2s	1s
Noise level, $p_1 = 4$ bar	61db(A)	68db(A)

1) Time required to draw vacuum to -0.05 bar.

■ Performance parameter - Large pumping capacity

Model	VEL/VTL-07-L	VEL/VTL-10-L
Working pressure for maximum pumping	5bar	6bar
Maximum pumping with respect to the atmosphere	33L/min	45L/min
Pumping time, rated working pressure 4 bar (For a liter capacity) ¹⁾	0.4s	
Noise level, $p_1 = 4$ bar	64db(A)	67db(A)

1) Time required to draw vacuum to -0.05 bar.