

## Pneumatech Pride

For over 40 years, Pneumatech products have provided complete solutions for all of our customers' filtration needs. Today, we're very proud to continue that legacy with our newest line of enhanced filtration systems.

*Pneumatech VT Carbon Tower is a high efficiency product designed to fit the most demanding industry applications. The VT is providing oil removal similar to that of the V filter, but with a longer lifetime and better efficiency.*

## VT 1-9



Grade	Oil filtration	Max. Δ P (bar)	Max. Δ P (psi)
VT	0.003 mg/m <sup>3</sup>	0.4	5.8

Important features & benefits
4000h service intervals
Stable pressure drop in all conditions
Robust and reliable product design
Provides Class 1 clean air (ISO 8573-1)
The VT wall mounting kit, provides easy installation of the filter without taking any floor space

Options	VT 1-3	VT 4-7
Wall mounting kit small	•	–
Wall mounting kit large	–	•
Oil indicator	•	•

- ✓ Standard
- Optional
- Not available



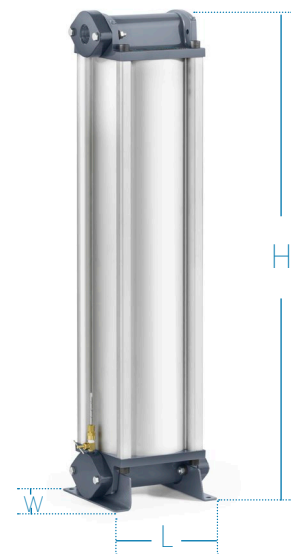
Type	Nominal flow			Connection	Dimensions						Weight	
					mm			in				
	(l/min)	(m³/h)	(CFM)		H	L	W	H	L	W	kg	lbs
VT 1	1200	72	42	½"	490	223	190	19	9	7	10	22
VT 2	2700	162	95	1"	715	223	190	28	9	7	15	33
VT 3	3600	216	127	1"	840	223	190	33	9	7	18	40
VT 4	5700	342	201	1"	715	387	190	28	15	7	29	64
VT 5	7500	450	265	1½"	840	387	190	33	15	7	34	75
VT 6	9000	540	318	1½"	715	551	190	28	22	7	42	93
VT 7	11100	666	392	1½"	840	551	190	33	22	7	50	110
VT 8	14700	882	519	1½"	840	715	190	33	28	7	67	148
VT 9	18600	1116	657	1½"	840	879	190	33	35	7	84	185

#### Reference conditions:

- Design pressure: 16 bar(g)/232 psi
- Compressed air inlet pressure: 7 bar(g)/100 psi
- Ambient air temperature: 20°C/68°F
- Compressed air inlet temperature: 35°C/95°F
- Relative humidity of the compressed air at the inlet: 100%
- Inlet air oil contamination: 0.35 mg/m³ /0.29 ppm
- Inlet air PDP: 3°C/37°F

#### Limitations

- Maximum compressed air effective inlet pressure: 16 bar/232 psi
- Maximum ambient air temperature: 50°C/122°F
- Minimum ambient air temperature: -10°C/14°F
- Maximum compressed air inlet temperature: 66°C/151°F
- Minimum compressed air inlet temperature: 1°C/34°F
- Maximum working pressure of optional oil indicator: 8.75 bar/126.9 psi



## Correction factors

For other compressed air inlet temperatures,

please multiply the filter capacity by the following correction factor (Kt):

Inlet temperature °C	20	25	30	35	40	45	50	55	60
Inlet temperature °F	68	77	86	95	104	113	122	131	140
Correction factor	1.67	1.43	1.25	1	0.71	0.56	0.37	0.25	0.19

For other compressed air inlet pressures,

please multiply the filter capacity by the following correction factor (Kp):

Inlet pressure (bar)	3	4	5	6	7	8	9	10	11	12	13
Inlet pressure (psi)	44	58	73	87	102	116	131	145	160	174	189
Correction factor	0.57	0.77	0.83	1	1	1	1	1.05	1.05	1.11	1.18

#### Example

What is the capacity of a VT3, working at 8 bar(g)/116 psig with an inlet temperature of 40°C/104°F?

$$K_p = 1 \quad K_t = 0.71$$

$$\text{Actual capacity} = 60 \times 1 \times 0.71 = 42.6 \text{ l/s or } 90.3 \text{ cfm}$$

Pneumatech reserves the right to change or revise specifications and product design in connection with any features of our products. Such changes do not entitle the buyer to corresponding changes, improvements, additions or replacements for equipment previously sold or shipped.

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