

Filter Solutions

Pneumatech offers you a comprehensive line-up of innovative filter solutions to meet your specific needs. Our filtration solutions are engineered cost-effectively to provide the best quality air and meet today's increasing quality demands.

For general applications we provide oil coalescing, particulate and oil vapor filters in a wide range of flows and pressures. Pneumatech is also your partner for breathing air, silicone-free, sterile & process filtration.

VT Activated carbon towers + vessels

VT - Activated carbon towers + vessels

Features & Benefits

- Guaranteed air purity with residual oil content below 0,003 mg/m³
 - Superb 2-layer activated carbon material
 - · Designed with sufficient safety margin
 - Performance certified by external body
- Significant energy savings & limited system operating costs
 - · Optimal internal flow path
 - Average pressure drop of 125 mbar only
- ► Certified class 1 performance, according to ISO 8573-1:2010
 - If combined with Pneumatech oil coalescing filters (G & C)
- ▶ Compact and reliable product design
 - Wall-mounting kit, optional for VT1 7
 - · Easy to lift, install and service

General Specifications

- ▶ Compressed air inlet pressure:
 - VT 1-9: 1-16 bar / 15-232 PSI
 - VT 11-14: 1-10 bar(g) /14,5-145 psi(g)
 - VT with optional oil indicator:
 1-8,8 bar / 15-127 PSI
- ▶ Ambient air temperature: 10 - 50°C / 14 - 122°F
- ➤ Compressed air inlet temperature : 1 66°C / 34 151°F



Options







Oil Indicator





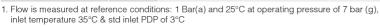
Pneumatech's VT activated carbon towers and vessels are highefficiency filtration products designed to fit the most demanding industry applications. Examples are pharmaceutical, medical, food & beverage, electronics and chemical industries.

The VT is capable of removing hydrocarbons, odors and oil vapor from compressed air. The activated carbon layers will, by the use

of adsorption, reduce the residual oil content to lower than 0,003 mg/m³. In combination with Pneumatech G and C filters, the VT meets the requirements of air purity class 1 for total oil, according to ISO 8573-1:2010, in a typical compressed air installation, as was certified by an external body.

Technical specifications for VT 1-9										
Pneumatech Variant→ Specifications ↓	Units	VT 1	VT2	VT 3	VT 4	VT 5	VT 6	VT 7	VT 8	VT 9
Capacity ⁽¹⁾	l/s	20	45	60	95	125	150	185	245	310
	m³/hr	72	162	216	342	450	540	666	882	1116
	cfm	42	95	127	201	265	318	392	519	657
Connection	G/NPT	1/2"	1"	1"	1"	11/2"	11/2"	11/2"	1½"	1½"
Diagonal (A)	mm	490	715	840	715	840	715	840	840	840
Dimensions (A)	inch	19.29	28.15	33.07	28.15	33.07	28.15	33.07	33.07	33.07
D: (D)	mm	223	223	223	387	387	551	551	715	879
Dimensions (B)	inch	8.78	8.78	8.78	15.24	15.24	21.69	21.69	28.15	34.61
Dimensions (C)	mm	190	190	190	190	190	190	190	190	190
	inch	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48
Weight	Kg	10	15	18	29	34	42	50	67	84
	Lbs	22.0	33.1	39.7	63.9	75.0	92.6	110.2	147.7	185.2

Technical specifications for VT 11-14										
Pneumatech Variant→ Specifications ↓	Units	VT 11	VT 12	VT 13	VT 14					
Capacity ^{1}	l/s	132	192	264	384					
	m³/hr	475.2	691.2	950.4	1382.4					
	cfm	280	407	559	814					
Connection	DIN	40	40	40	40					
L a m mbla	mm	430	450	450	520					
Length	inch	16.9	17.7	17.7	20.5					
NAG-IAI-	mm	430	540	620	660					
Width	inch	16.9	21.3	24.4	26.0					
Height	mm	1724	1770	1845	1882					
	inch	67.9	69.7	72.6	74.1					
Woight	Kg	111	158	210	205					
Weight	Lbs	245	348	463	452					



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
	°F	68	77	86	95	104	113	122	131	140
Correction factor	Kt	1.67	1.43	1.25	1	0.71	0.56	0.37	0.25	0.19

Correction factors 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
	psi	44	58	73	87	102	116	131	145	160	174	189
Correction factor	Kp	0.57	0.77	0.83	1	1	1	1	1.05	1.05	1.11	1.18





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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