

Industrial Vacuums for Additive Manufacturing



The industrial vacuum cleaner is an important tool in the additive manufacturing, mainly during the changeover working cycles and at the end of the process. Nilfisk has designed a specific range of products and solutions for this segment, certified by third notified bodies, in compliance with the strictest regulations.



The range includes singlephase, threephase and compressed air vacuum cleaners, equipped with the immersion separator container, which is the ideal solution when combustible dust classified KSt3 has to be recovered.



TECHNICAL DATA	Unit	VHS110 Z22 EXA IS	T22PLUS L100 LC Z22 EXA IS	T40WPLUS L100 Z22 EXA IS	VHC110 Z1 EXA IS	VHC120 Z1 EXA IS	VHC200 L100 Z1 EXA IS
Voltage	V	230	400	400	-	-	-
Frequency	Hz	50	50	50	-	-	-
Protection class	IP	64	65	65	-	-	-
Insulation class	Class	F	F	F	-	-	-
Rated power	kW	1.1	2.2	4	-	-	-
Air consumption (at 6 bar of pressure)	NI/min	-	-	-	630	1260	2650
Required pressure	bar	-	-	-	4/7	4/7	6 Max
Airflow without hose	L/min	3600	5250	8150	1980	3360	5580
Vacuum max	kPa	22	21	19	32.5	32.5	38
Sound pressure level	dB(A)	73	67	71	71	72	70
Max. dust quantity*	L	4*	6*	6*	4*	4*	6*
Main filter type		Antistatic M-class star filter	Antistatic M-class star filter	Antistatic M-class star filter	Antistatic M-Class star filter	Antistatic M-Class star filter	Antistatic M-Class star filter
Main filter area	cm ²	10.000	19.500	35.000	10.000	10.000	19.500
Inlet	mm	50	70	70	50	50	70
Length x width x height	mm	560x570x1240	1290x600x1540	1290x600x1640	270x560x1240	570x560x1240	910x600x1590
Weight	kg	42	138	167	37	37	70

* The maximum collection capacity derives from the presence of the inertization system. Local Standard requirements may impose even stricter limits, in terms of max collectable powder quantity.