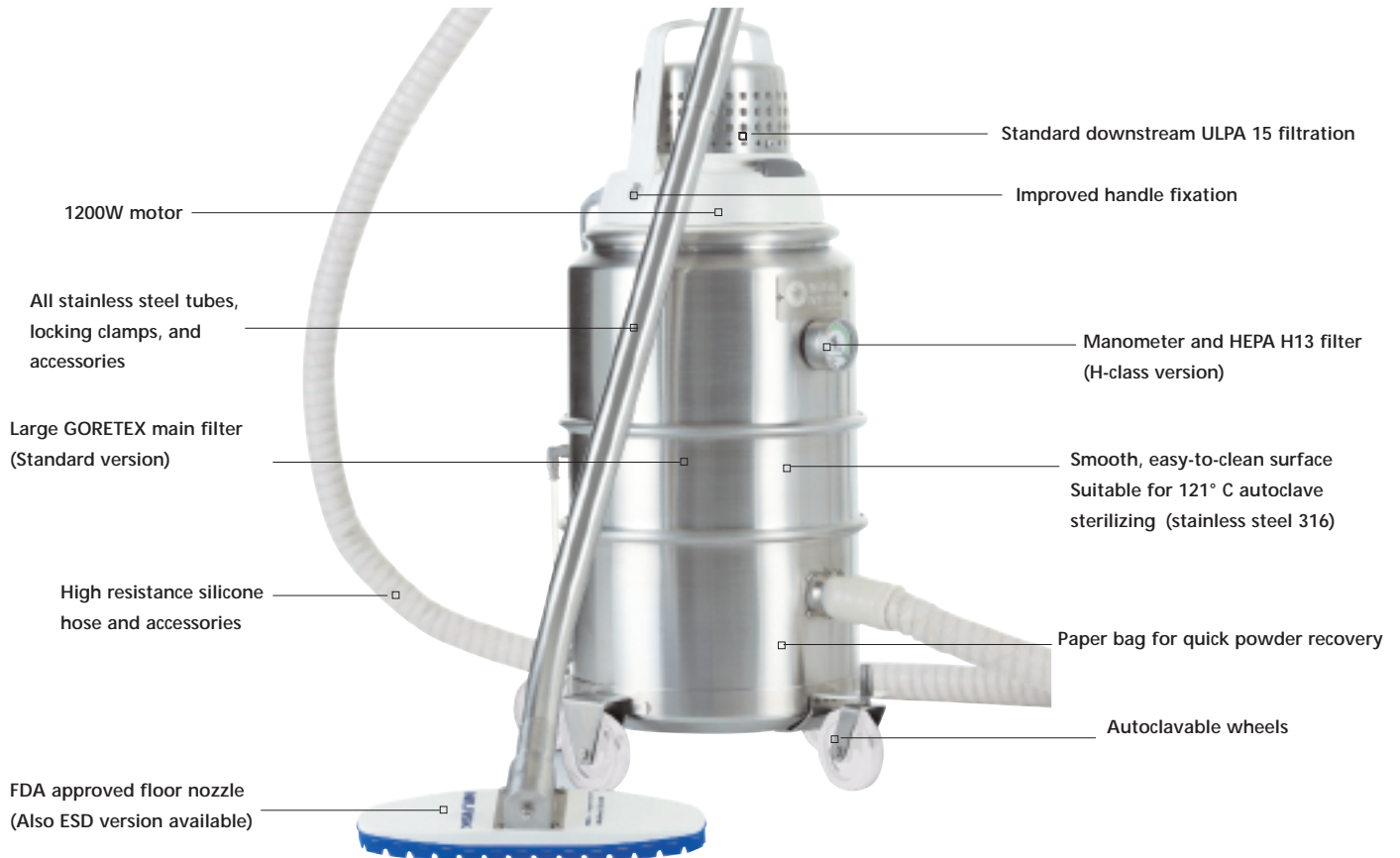


An integral part of clean room maintenance

Photo of IVT 1000CR H-class



TECHNICAL SPECIFICATIONS

Description	Unit	IVT 1000CR	IVT 1000CR H-class	IVT 1000CR Safe pack
IP protection class		IP40	IP40	IP40
Dust class		M	H	H
Rated Power	W	1200	1200	1200
Suction power end of tube	W	250	236	236
Airflow without hose	l/sec	38	35	35
Sound pressure level at 1.5 m (ISO 3744)	dB(A)	61	61	61
Vacuum max.	Kpa	19.8	20	20
Container capacity	l	12.5	12.5	12.5
Main filter area	cm ²	2100	2573	2573
Exhaust filter ULPA U15 area	cm ²	2573	2573	2573
Inlet	mm	32	32	32
Length x width x height	cm	30x30x62.5	30x30x72.5	30x30x70
Weight	Kg	7.75	9.2	8.2

Specifications and details are subject to change without prior notice.



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Clean room vacuum cleaners

Nilfisk IVT 1000CR/IVT 1000CR H-class/IVT 1000CR Safe pack

Zero tolerance



- for clean room contaminants!



Total contamination control



The IVT 1000CR comes in different versions and has a range of accessory kits to suit all clean room environments.

In industries such as pharmaceuticals, semiconductors, biomedical and others where clean rooms are a necessary part of the production or research process, total cleaning efficiency is an absolute must. There is no tolerance for second-rate performance. The clean room has to be clean!

Nilfisk-Advance has years of experience in coping with such demanding environments. In fact, nobody understands this business better. The IVT 1000CR is the dedicated clean room vacuum. It can be completely sterilized, it is small, and extremely quiet. Naturally it is fully compatible with all clean room classes, down to the most stringent ISO 4. When contamination control is essential, Nilfisk-Advance has the answers.

Autoclavable for sterile environments

- Stainless steel AISI 316 - standard in the pharmaceutical industry
- Maximum level of filtration
- ISO 4 clean room compatible (with downstream ULPA U15 filter)
- Completely autoclavable (except for motor unit and HEPA/ULPA filters)
- 100% autoclavable accessories
- Modular construction (easy to disassemble and service/clean)
- Extremely quiet (only 61 db/A)
- Very small dimensions, for confined areas



CLEAN ROOM CLASSIFICATION

Country standard	USA Federal Standard 209 D	ISO standard
Year	(1988)	(1997)
Class	10	4
Class	100	5
Class	1,000	6
Class	10,000	7
Class	100,000	8

The IVT 1000CR meets the most stringent of clean room classification standards, ISO 4, meaning maximum 10 particles equal to or greater than 0.5 µm per cubic foot of air. To achieve this, ultimate filtration levels and completely leak-proof construction are essential.

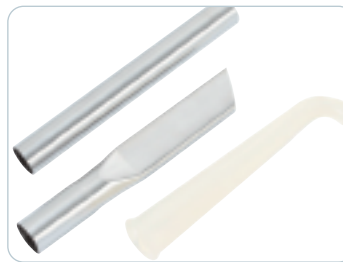
The unit can be totally sterilized before use in the clean room, and can also be autoclaved at 121°C each time cleaning or change of process is necessary.



Thanks to its modular construction, the IVT 1000CR can be quickly and easily dismantled for inspection and cleaning. Servicing is equally easy. The practical locking clamps ensure air-tight sealing.



The main filter is held in place by a uniquely designed filter ring that prevents the filter from touching the floor. No contaminants, therefore, come into contact with any surface.



All accessories are made of stainless steel or high-resistance silicone. This means that hoses, hand tools and nozzles can all be fully sterilized by autoclave at 121°C.



The H-class version is designed for the most demanding ISO 4 applications. In addition to an upstream HEPA H13 filter, the unit is fitted with an ULPA U15 filter that even traps carbon particulate from the electric motor.