

Portable vacuum cleaners for cleanroom - ISO Class 5

Electric

NEF CR 230 - roller carriage

Range of applications

The NEF model CR is designed to accommodate production of wet debris and fluids in cleanrooms of ISO Class 5.

Properties/Advantages

- 4-stage filter system (levels 1 and 2 optional):
- 1st Level: polyester needle felt, anti-static PTFE membrane, filtration rate: 99.9%
- 2 Level: Active carbon filter for adsorption of gases and vapors
- 3 Step ahead of the engine: ULPA filter, filtration efficiency 99.999%
- 4 Step behind the engine: ULPA filter, filtration efficiency 99.999%
- Low noise level
- With float switch
- Convenient drop tanks, tanks with 4 wheels
- Ball valve for emptying optionally available
- Role-Stainless steel cart with 4 wheels
- Extensive accessories available, autoclavable
- Collection containers, filters and accessories autoclavable chamber
- Available in 230V, 400V, pneumatic and explosion-protected version



Function principle

The NEF model CR 230 has a convenient drop tank for rapid emptying the dirt container. The standard model has 5 filter stages, which are due to the modular principle optional use. The first stage is a float switch, which prevents overflowing of the waste container. Filter stage 2 consists of a polyester with PTFE membrane filter to trap coarser particles and Schonung the following filters. The third stage filter - activated carbon filter in an electrically conductive body made of PE - is required when gases and vapors to be trapped. The two fine filter (H14 / U15 99.999%) are even installed in front of and behind the electric motor. The filter prevents the engine behind that dirt portions of the engine or the cooling air into the environment. The motor head can be separated easily and quickly by means of a Quick Connect system from the vacuum cleaner housing. The complete unit is easily disassembled and cleaned. Collecting tank, filter chamber, float switch and accessories are autoclavable.



Roller carriage with basket



Interior view with filter stage 2



Filter & float switch



Sucker dismantled



Dirt tank with filter stage 2



Tank setback



Input port



NES AK CR filter

Technical data NEF CR 230	
Power	1.000 Watt / 230V
Intake volume	150 m³/h, max.
Vacuum	220 mbar, max.
Container volume	30 trocken, 22 l nass
Total filter area	2,15 m² (ohne AK)
Weight	34 kg
Noise level	67 dB (A)
Dimensions L x W x H	600 x 510 x 1010 mm

Modell	Cont./L	Filter	Medium	Art.Nr.
NEF CR 230 AK roller car.	30	AK/2xU	Wet	2009750
NEF CR 230 L roller car.	30	L / 2xU	Wet	2012331
NEF CR 230 roller car.	30	2xU	Wet	2012632
NEF CR 230 L/AK roller car.	30	L/AK/2xU	Wet	2012635
Scope of delivery				Art.Nr.
Filter class L				2003497
Activated carbon filter				2011530
ULPA-Filter (HEPA Filter)				2003995
ULPA-Filter (HEPA Filter)				2003995