



Clean Blast
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Nederman
 norclean line
 Excellence in high vacuum



NORCLEAN ATEX

Explosion safe vacuum units for hazardous areas



ATEX models



explosion safe models, ATEX approved from Veritas / Nemko



Ab140Ex - Ejectorcleaner syst. 50

This heavy duty stainless steel vacuum unit is excellent for suction of hazardous and flammable liquids. Can transport material over long vertical and horizontal lengths.

Suitable for various cleaning and liquid pick-up operations in industry, and for stripping of cargo tanks and deep well sumps in shipping. Can be connected to tank stripping pumps equipped with stripping pipe. Equipped with 1½" Camlock couplings for suction inlet and product discharge connections for safe emptying process. Parts in direct contact with collected liquids are made from stainless steel. All parts are antistatic and conductive to avoid static electricity loading. Suitable for suction of oil, water and other liquid products.

ATEX approval; EX II 2 GD c IIC, from Det Norske Veritas, DNV.



Ab950Ex - Ejectorcleaner

This heavy duty stainless steel vacuum unit is designed for fixed installation onboard tankers and product carriers where an efficient cargo tank stripping is required after the tank cleaning. The unit is connected to a main suction pipe with branch lines attached to the cargo pump pipes into the tanks. The collected residue is temporarily stored in the tank of the unit before being pumped or flushed into the slop tank of the vessel. The characteristics of the unit are identical to the portable model Ab140Ex.

ATEX approval; EX II 2 GD c IIC, from Det Norske Veritas, DNV.



Ab105Ex - Ejectorcleaner syst. 50

Air powered ejector system, with light suction equipment for cleaning floors, walls, beam constructions, and the like. Capacity superior to most of the portable electrical vacuums in the market. The versatile cleaner can be used in industries and institutions. Can be equipped with absolute/HEPA filters for suction of hazardous dust and granulates. Can easily be adapted for liquid suction.

ATEX approval; EX II 2 GD c IIC, from Nemko.



Ab216Ex - Ejectorcleaner syst. 50

Single container system with absolute/HEPA filter for collection of very fine dust and granulated material. The filter cleaning process is simple and extremely efficient. The compressed air powered ejector system create high vacuum and airflow for excellent material collection and transport.

ATEX approval; EX II 2 GD c IIC, from Nemko.

DNV

Established in 1864, DNV is an independent foundation with the objective of safeguarding life, property and the environment, and is a leading international provider of services for managing risk.

NEMKO

Established in 1933, NEMKO is an institution for mandatory safety testing and national approval of electrical equipment that is marketed and sold in Norway for connection to the public utility network.



 **Nemko**

Ab221Ex - Ejectorcleaner syst. 50

This norclean Ex-approved vacuum model is a very powerful unit especially developed for collection and recovery of flammable and explosive dust. Suitable for use in areas in the most industrial plants where flammable gases and dusts can be present, thereby causing risk hazards to people and equipment. All parts in the unit are conductive or antistatic to avoid static electricity loading. ATEX approval; EX II 2 GD c IIC, from Nemko.



 **Nemko**

Ab405Ex - Ejectorcleaner syst. 50

Dual container system, designed for removal of industrial waste. This powerful suction unit comes equipped with a silo and filter container for the removal of industrial waste materials. Special swivelling, locking wheels are sized to increase mobility, and make the handling of heavy loads simple. The silo is designed to allow the material collected to be discharged over gratings or chutes for the central collection of materials. The unit can be equipped with an adjustable counterweight valve and sack holder for discharge into sacks.

The model include slots for handling by forklift.
ATEX approval; EX II 2 GD c IIC, from Nemko.



 **Nemko**

Ab500Ex - Ejectorcleaner syst. 200

Single container system, designed for the collection of coarse particles, such as chips and granules as well as liquids and mud. The high vacuum allows transportation of material over long distance. The container can collect and hold a large volume of material before emptying operation is necessary, it can be supplied with bottom drain valve for quick and simple discharge of liquids.

ATEX approval; EX II 2 GD c IIC, from Nemko.



 **Nemko**

Ab510Ex - Ejectorcleaner syst. 200

This norclean Ex-approved vacuum model is a very powerful unit especially developed for collection and recovery of large quantities of flammable and explosive chips and granules as well as liquids and mud. Suitable for use in areas in most industrial plants where flammable gases and dusts can be present, thereby causing hazard risk to persons and installations. All parts in the unit are conductive or antistatic to avoid static electricity loading.

ATEX approval; EX II 2 GD c IIC, from Nemko.

All norclean models above are also available in an non ATEX version

Nederman norclean as



- a global company with local presence

Technical data models

Model	Code no.	Power head	Code no.	Compressed air consumption	Max.vacuum		Max. air flow	Noise level*	Ø std. suction hose
				Nm ³ /min	mmWC	-kPa			
Ab105Ex	42210500	NE22	01 01 010	1,0	2100	210	306	72,0	51
Ab140Ex	42214000	NE64	01 02 030	4,3	6800	68	330	77,0	38
Ab216Ex	42221600	NE52	01 01 040	3,0	5200	52	342	75,5	51
Ab221Ex	42222100	NE52	01 01 040	3,0	5200	52	342	75,5	51
Ab405Ex	42240500	NE52	01 01 040	3,0	5200	52	342	75,5	51
Ab500Ex	42250000	NE54	01 02 010	3,0	5200	52	342	75,5	51
Ab510Ex	42251000	NE54	01 02 010	3,0	5200	52	342	75,5	51
Ab950Ex	42295000	NE74	01 02 050	5,3	7800	78	318	75,0	-

*Measured at dist. 3 m, height 1,1 m

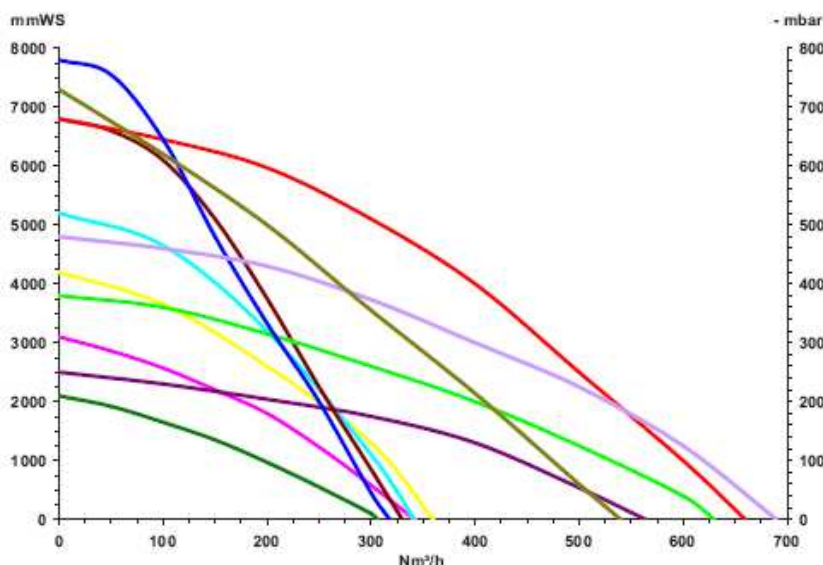
Technical data powerheads

Power head	Code no.	Compressed air consumption Nm ³ /min	Necessary hose dimension for compressed air line, inner diameter.						
			12mm ½"	20mm ¾"	25mm 1"	32mm 1 ¼"	38mm 1 ½"	51mm 2"	63mm 2 ½"
NE22	01 01 010	1,0	1-8	9-58	59-200	201+			
NE32	01 01 020	1,6		2-22	23-69	70-110	111+		
NE42	01 01 030	2,2		1-8	9-41	42-100	101+		
NE52	01 01 040	3,0		1-6	7-29	30-70	71-160	161+	
NE54	01 02 010	3,0		1-6	7-29	30-70	71-160	161+	
NE56	01 02 020	2,7		1-7	8-39	40-90	91-190	191+	
NE64	01 02 030	4,3			1-21	22-41	42-102	103+	
NE66	01 02 040	4,1			1-25	26-47	48-150	151+	
NE74	01 02 050	5,3			1-15	16-31	32-63	64+	
NE76	01 02 060	5,4			1-14	15-30	31-71	72+	
NE86	01 02 070	9,5				1-7	8-28	29-79	80+
NE96	01 02 080	8,6			1-4	5-11	12-32	33-125	126+

Distance from compressor in meters

IMPORTANT! Too long and/or too small hoses, result in high pressure loss in compressed air supply, and hence reduced capacity. Couplings must have sufficient flow area. Quick disconnecting couplings are not recommended. To avoid continuous running of compressor at high speed, we recommend a compressor capacity higher than the ejector unit consumption.

Power head	Code no.	Color
NE22	01 01 010	
NE32	01 01 020	
NE42	01 01 030	
NE52	01 01 040	
NE54	01 02 010	
NE56	01 02 020	
NE64	01 02 030	
NE66	01 02 040	
NE74	01 02 050	
NE76	01 02 060	
NE86	01 02 070	
NE96	01 02 080	



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