

STATIONARY INSTALLATIONS – WHY COMPROMISE

For every cleaning demand



**Nilfisk
ALTO**

Why Compromise

Speed up your cleaning Tasks



The connect and clean ALPHA BOOSTER range – best in class cleaning at its most simple.

Stationary units are easy to use, save time and money and reduce storage needs :

- Compact, wall mounted design eases storage.
- The unit can be connected to pipework systems with several outlet points for cleaning in various locations.
- Reduced need for electrical connections, transport of cable and machine: the unit is immediately available for use – simply connect the hose and clean.
- Extra Hygiene: A stationary unit does not need to be in proximity to the cleaning site, ensuring a higher level of hygiene for example in high care areas.

Reduced installation requirements mean saving time: you go straight to cleaning and get the job done as quickly as possible.

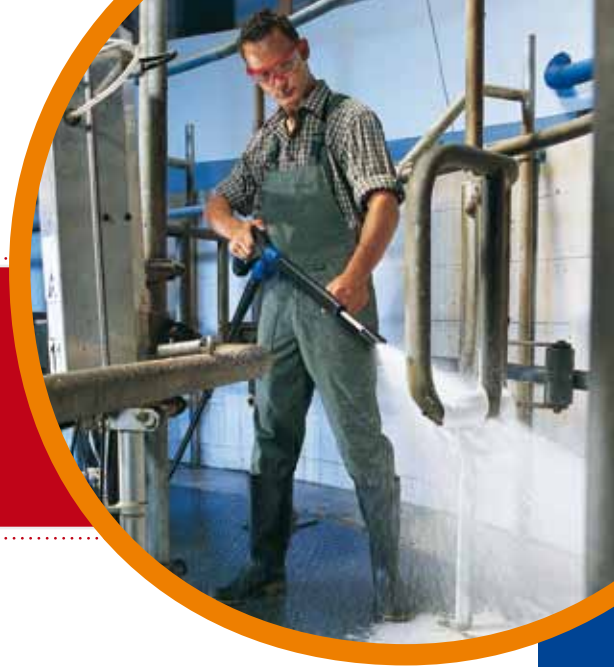
The ALPHA BOOSTER is a complete range of 1 and 3 phase mid range machines for cleaning in milk sheds, around small farms and garages or also in butcheries and bakeries (for example in supermarkets). It can also be used around swimming pool areas or for any general cleaning tasks that occur in a fixed site.

1450 rpm motor pump units for long life and low noise level
Complete spray equipment as standard accessories – product is ready to use
Stainless steel cabinet standard on ALPHABOOSTER 5 & 8
(also available as an option on the 3 Series)



ALPHA BOOSTER

The ALPHA BOOSTER can also be equipped with a wide range of accessories for floor, surface and equipment cleaning – please consult our catalogue.



TECHNICAL DATA	MAXXI 4-73S	ALPHA BOOSTER 3-26	ALPHA BOOSTER 3-41	ALPHA BOOSTER 5-49	ALPHA BOOSTER 8-103
Pump pressure (bar/MPa)	180/18	140/14	180/18	180/18	180/18
Cleaning impact (kg/force)	7.3	2.6	4.1	4.9	10.3
Water flow Q _{max} /Q _{IEC} (l/h)	1450/1350	600/550	825/750	970/900	2000/1950
Max inlet temperature (°C)	50-60	50-60	50-60	50-60	50-60
Number of pistons	3	3	3	3	3
Ceramic pistons	●	●	●	●	●
Pump (RPM)	2800	1450	1450	1450	1450
Dimensions L x W x H (mm)	730 x 560 x 525	560 x 350 x 370	560 x 350 x 370	643 x 357 x 365	655 x 425 x 467
Weight (kg)	69	39	39	48	78
Power consumption (kW)	9.1	3.3	5.2	6.9	12.0
Voltage/Phase/Frequency/Current (V/~/Hz/A)	400/3/50/15.9	230/1/50/13.5	400/3/50/9.9	400/3/50/12.5	400/3/50/21
Stainless steel cabinet				●	●
El cable (m)	5	5	5	5	5
Nozzle size	0800	0370	0400	0500	1100
STANDARD EQUIPMENT					
HP hose	6101766	301002275	301002275	1405569	6101766
Ergo 2000 gun		106403122	106403122	106403122	
Ergo 3000 gun	106402190				106402190
Ergo coupling kit	101119496	101119496	101119496	101119496	101119496
FlexoPower 3000 lance	106402141	106402141	106402141	106402141	106402141
Tornado Plus nozzle	101119750	101119737	101119738	101119741	101119756
ITEM NO.	107361030	107361115	107361130	107361230	107361330



The ALPHA BOOSTER 5 can be equipped with an electronic control box that enables the product to be equipped with remote controls, coin boxes and 1 or 2, electronically activated detergents

Flexible, Reliable and always ready



UNO and DUO BOOSTER are 1 or 2 pump high pressure cleaning units for some of the most intense applications you can find. Assuring regular day to day cleaning often for more than 8 hours, the UNO and DUO BOOSTERS are reliable partners in eliminating tough dirt in the industrial sector and maintaining hygiene levels in agriculture, food industry or simply in industry and construction.

General information for UNO and DUO BOOSTER

- Stainless steel cabinet is easy to clean maintaining hygiene levels.
- Easy servicing /maintenance.
- Easy to use, single start/stop button – just switch on and clean.
- Ideal for location in a plant room and connection to a pipe work system. Just attach the hose and clean.
- Low water security function.

TECHNICAL DATA	UNO BOOSTER	UNO BOOSTER EXTENDED	DUO BOOSTER	DUO BOOSTER 7-121
Pump pressure (bar/MPa)	160/16	160/16	160/16	180/18
Cleaning impact (kg/force)	5.7	5.7	11.4	12.1
Water flow Q _{max} /Q _{IEC} (l/h)	1200/1120-540	1200/1120-540	2400/2240-1120	2400/2240-1120
Max inlet temperature (°C)	70	70	70	70
Number of pistons	4	4	4	4
Ceramic pistons	●	●	●	●
Pump (RPM)	1450	1450	1450	1450
Pump	1	1	2	2
Dimensions L x W x H (mm)	370 x 700 x 500	370 x 700 x 500	370 x 800 x 900	370 x 800 x 900
Weight (kg)	81	81	160	160
Power consumption (kW)	6.7	6.7	13.5	16.4
Voltage/Phase/Frequency/Current (V/~ /Hz/A)	400/3/50/12	400/3/50/12	400/3/50/24	400/3/50/27
Stainless steel cabinet	●	●	●	●
El cable (m)	4	4	4	4
Nozzle size	0640	0640	0640	0640
ITEM NO.	107340030	107340130	107340230	107340430



UNO BOOSTER



◀ UNO BOOSTER:

For single user applications. High water flow ideal for flushing and rinsing.

▶ DUO BOOSTER:

For 1 or 2 user applications. The DUOBOOSTER 7 series has an intelligent pump control system which matches flow with demand. This avoids unnecessary wear of pumps and motors and extends lifetime.

y to start – just Connect & Clean



Nilfisk-ALTO offers personalised solutions. Each UNO or DUO machine can be produced as standard, or be equipped directly from the factory with a range of options to match your specific needs.

STANDARD EQUIPMENT	UNO/DUO BOOSTER
Cable length (m)	4
Automatic standby / start	●
Ceramic pistons	●
Stainless steel cabinet	●

C3 quality pump

The famous C3 pump with 4 ceramic pistons and 1450 rpm motor has an exceptionally long working life. In addition, the C3 pump will accept pre-heated water up to 70°C, giving the possibility of using the cold water unit for hot water uses such as degreasing.

Through the last 25 years it has proven itself to be the most reliable and durable pump on the market, designed to tackle heavy duty applications day after day.

- Ceramic pistons and fibre reinforced seals, which allow an inlet temperature of up to 70°C
- Stainless steel valves
- Brass cylinder head
- Closed oil-system – No refill required as no oil waste – only oil change at service.
- Integrated filter in the pumphead prevents dirt entering the pump
- New low pump oil safety function. Low oil sensor will stop the pump from running dry and thus extend lifetime
- Integrated flow sensor – dry run protection
- Powerful integrated motor with double thermo sensors
- Robust and simple – no user interactions needed



DUO BOOSTER



The Ultimate Solution



DELTA BOOSTER is a unique cleaning system designed for use in all industrial environments. Capable of supplying up to 6 operators simultaneously, the **DELTA BOOSTER** has been developed to fully meet the cleaning demands of industry. Built with hygiene in mind, and with a host of features offering, for example, the flexibility of customised control as well as selectable water volume and pressure.



► Designed with hygiene in mind

The cabinet is constructed with large, easy-to-clean surfaces that will not harbour dirt in corners or crevices.

▼ Compact, space saving design

Because room is often at a premium - especially in confined areas, the **DELTA BOOSTER** has been designed to use as little space as possible. This compact design also allows easy transportation and installation.



▲ Durable stainless steel construction

To meet with industry requirements for a long and effective working life, the cabinet, frame, water tank and the water passage are constructed from highly durable stainless steel and other non-corrosive materials.

▲ Water tank

The water tank has both hot and cold water inlets, ensuring that the optimum, pre-set temperature is available at the commencement of cleaning operations. The tank incorporates a "type A" air gap in accordance with UK water regulations.



▼ Optional mounting

In order to meet individual installation requirements, the water tank and inlet connections can be built, to suit the left or the right hand side of the machine.





► Lances

Different cleaning tasks require different applications of water volume and pressure. Utilisation of the colour coded lances will ensure that you deliver the correct volume and pressure to efficiently complete the task in hand.



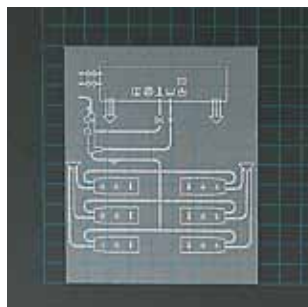
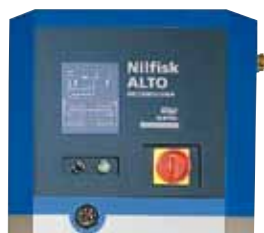
► Pump - The heart of the machine

DELTA BOOSTER is fitted with the unique C3 piston pump. The pump features a pressurised sealed oil chamber, which virtually eliminates oil waste.



► Control

Individual control requirements vary. The control system is readily adaptable to suit particular circumstances, offering for instance, working pressure tailored to the cleaning application and system monitoring if required.



▼ Service-friendly

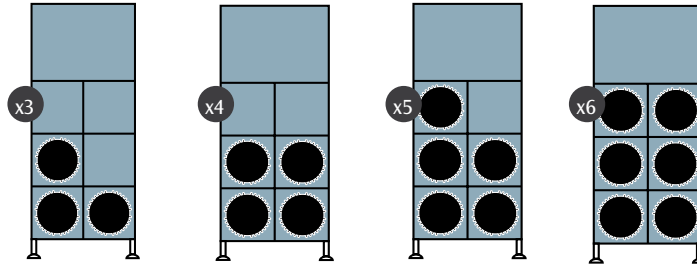
The large and fully removable access door at the front of the machine provides easy access for servicing. Door opens both right and left.



Technical Specifications For DELTA BOOSTER



Common Features



	3120	4160	5200	6230
Max. water flow (l/h)	3120	4160	5200	6230
Current (A)	62 ¹⁾ 35 ²⁾ 32 ³⁾ 32 ⁴⁾	83 ¹⁾ 47 ²⁾ 42 ³⁾ 42 ⁴⁾	104 ¹⁾ 58 ²⁾ 53 ³⁾ 53 ⁴⁾	125 ¹⁾ 70 ²⁾ 64 ³⁾ 64 ⁴⁾
Max. power consumption (kW)	20.1	26.8	33.5	40.2
Weight (kg)	300	350	400	450

1) 3 x 230 V, 50 Hz 2) 3 x 400 V, 50 Hz 3) 3 x 440 V, 60 Hz, 4) 3 x 415 V, 50 Hz

WATER DATA	
Max. cleaning pressure(bar) (MPa)	160 16
Min. cleaning pressure (bar)	27
Adjustable cleaning pressure	Yes
Water tank capacity(l)	80
Max. water inlet temperature °C	80
Adjustable water temperature	Yes
Cold water connection Ø (BSP)	1"
Hot water connection Ø (BSP)	1"

ELECTRICAL DATA	
Control panel	On machine
Control panel box	IP 55 Stainless Steel
Control voltage safety voltage	24 V AC

GENERAL DATA	
Construction	Stainless steel
Expandable	Yes
Motor temperature and current protection	Yes
Water temperature control	Yes
Low water protection	Yes
Burst pipe protection	Yes
Hours counter	Yes
Mimic display	Yes
Fault diagnosis display	Yes
Moisture resistance class (overall)	IP 45
Dimensions mm (L x W x H)	715 x 790 x 1800

DELTA BOOSTER Lances

This chart will help you to select the correct lance required to provide the combination of water volume and pressure appropriate to your needs. Desired pressures as low as 20 bar can be achieved at the point of use when using a white colour coded lance. The chart illustrates the number of pumps required to operate a particular lance. Various pressures can be selected at all outlet points without the need to adjust the pump pressure.



LANCE	DESIRED PRESSURE (BAR)		DESIRED PRESSURE (WATER L/H)		NO OF PUMPS REQUIRED	
	100 bar*	160 bar*	100 bar*	160 bar*	100 bar*	160 bar*
White	20	27	1020	1020	1	1
Black	20	27	1920	2100	2	2
Brown	40	50	960	1020	1	1
Green	40	53	1920	1980	2	2
Blue	60	80	960	1020	1	1
Red	60	80	1520	1620	1.5	1.5
Orange	80	107	1020	1020	1	1
Yellow	80	107	1620	1560	1.5	1.5
Silver	114	152	1020	1020	1	1

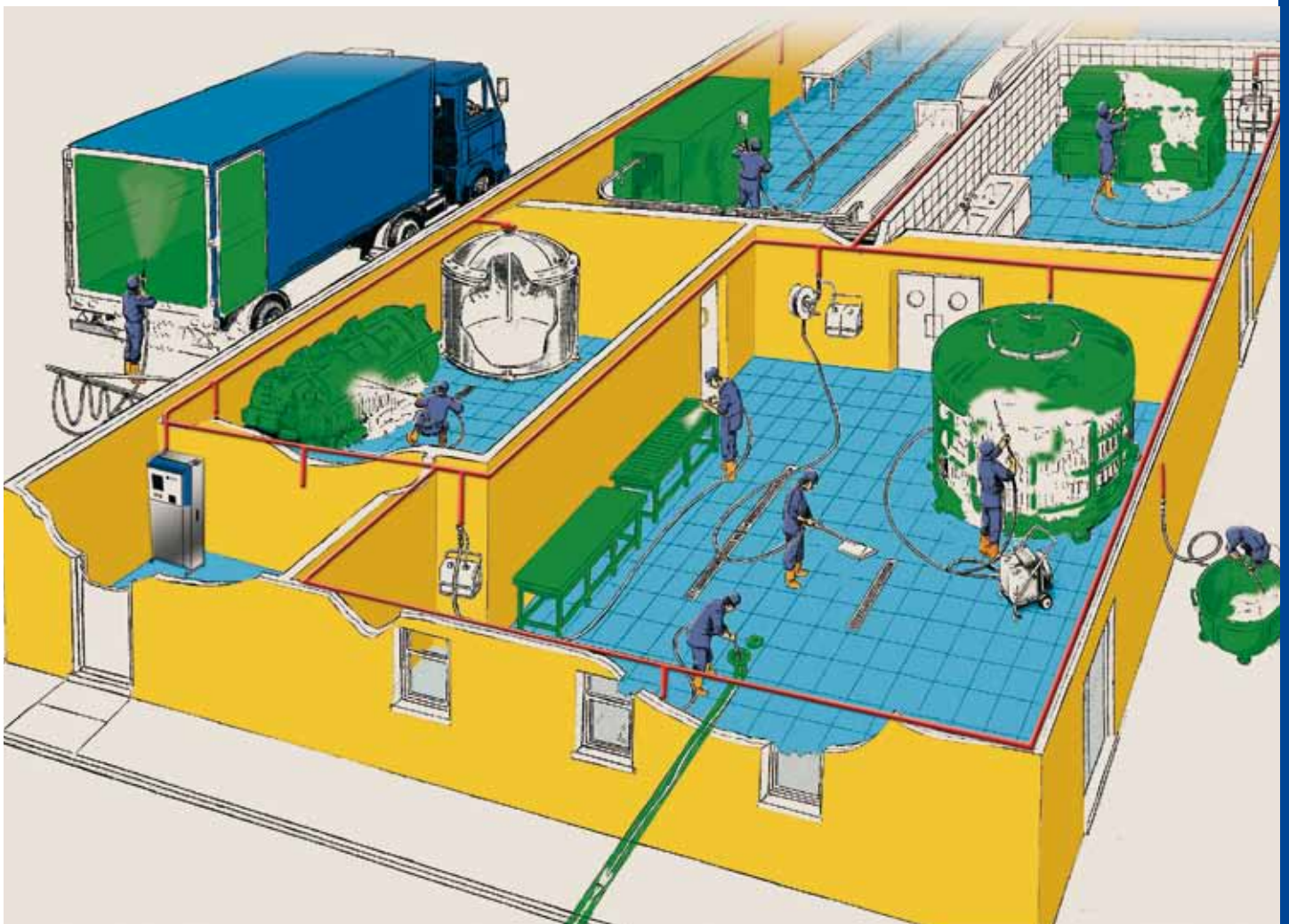
**Typical examples of pump pressure, variable to customer requirements.*

The Clean Solution



Nilfisk-ALTO stationary solutions are incredibly flexible. Through careful planning of the installation, it is possible not only to work in the general vicinity of the pressure washer, but also to work at various locations throughout your premises by using a pipework system, allowing one or more users to clean at long distances away from the machine. The pressure washer can thus be stored in the plant, away from processing equipment, or non-authorized personnel.

The planning of a good installation can provide users with multiple outlets and allow the introduction of detergents and sanitisers. Thus, when moving from one cleaning point to another... you simply disconnect the hose and gun and move to the next site... without transporting an unwieldy pressure washer with you.



Stationary Hot Water Pressure Washer



EcoPower Boiler:
Efficiency >92%.
Major Fuel cost and
service cost saving.

Electrical, diesel or gas fired

SOLAR BOOSTER 5 series is adapted to general use in light industry, vehicle cleaning and even self-service. SOLAR BOOSTER 7 series is optimal for tough and intense cleaning applications in heavy industry, transport and food industry. The famous C3 pump used in the 7 series will just run and run... providing a valuable partner for the toughest jobs.

SOLAR BOOSTERS come equipped with galvanized steel frames and cabinets for ease of maintenance, and is easy to service. All units are equipped with Nilfisk-ALTO's expandable control technology – meaning any standard machine can be turned into a personalised solution, thanks to a wide range of factory-mounted options.

Diesel-heated

Pressure Washing Systems are suitable for diverse use in the industrial, commercial and trade sectors.

Gas-heated

Pressure Washing Systems are primarily used in companies with modern types of energy such as natural gas.

Electrically heated

Pressure Washing Systems are used wherever the exhaust gas from a burner is undesirable or prohibited.

DIESEL

TECHNICAL DATA	SOLAR BOOSTER 5-45 D	SOLAR BOOSTER 5-52 D	SOLAR BOOSTER 7-58 D	SOLAR BOOSTER 8-103 D	SOLAR BOOSTER 5-45 D
Pump pressure (bar/MPa)	150/15	165/16.5	170/17	180/18	150/15
Cleaning impact (kg/force)	4.5	5.2	5.8	10.3	4.5
Water flow Q _{max} /Q _{IEC} (l/h)	1020/900	1100/1000	1200/1110	2000/1900	1020/900
Max inlet temperature (°C)	30	30	30	30	30
Heating power (kW)	80	80	115	115	93
Number of pistons	3	3	4	3	3
Ceramic pistons	●	●	●	●	●
Pump (RPM)	1450	1450	1450	1450	1450
Water temperature, max. (°C)	99	99	99	99	99
Fuel consumption ΔT 45°C (kg/h)	4.3	4.8	4.9	9.4	
Gas consumption ΔT (m³/h)					4.5
Dimensions L x W x H (mm)	700 x 900 x 940	700 x 900 x 940	700 x 900 x 940	700 x 900 x 940	700 x 900 x 940
Weight (kg)	184	189	212	232	186
Power consumption (kW)	7.5	8.3	8.9	14.1	1.4+
Voltage/Phase/Frequency/Current (V/~ /Hz/A)	400/3/50/14	400/3/50/15	400/3/50/15	400/3/50/24	400/3/50/15
El cable (m)	4	4	4	4	4
Nozzle size	0550	0600	0680	1100	0550
ITEM NO.	107370050	107370055	107370070	107370080	107370050



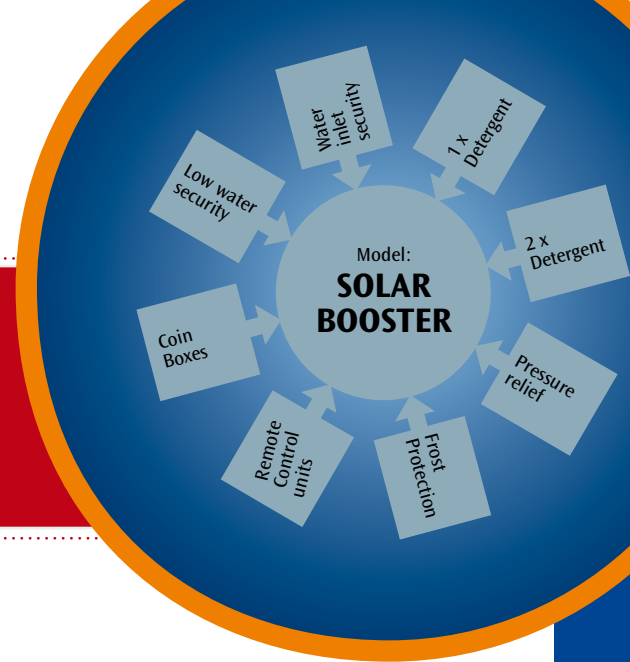
SOLAR BOOSTER 5 D
SOLAR BOOSTER 7 D
SOLAR BOOSTER 8 D



EcoPower
High Performance



Nilfisk-ALTO offers personalised solutions. Each SOLAR BOOSTER machine can be produced as standard, or be equipped directly from the factory with a range of options to match your specific needs.



GAS		
SOLAR BOOSTER 7-15 G	SOLAR BOOSTER 7-58 G	SOLAR BOOSTER 7-52 GH
15	170/17	150/15
	5.8	5.2
900	1200/1110	1100/1030
	30	85
	118	60
	4	4
	●	●
	1450	1450
	99	85
	5.6	5.7
900 x 1100	700 x 900 x 1100	700 x 900 x 1100
	214	248
6.1	1.4+7.5	0.1+6.9
3/50/14	400/3/50/15	400/3/50/12.8
	4	4
	0680	0640
107370450	107370470	107370490

ELECTRIC				
TECHNICAL DATA	SOLAR BOOSTER 7-38 E18H	SOLAR BOOSTER 7-58 E18H	SOLAR BOOSTER 7-58 E36H	SOLAR BOOSTER 7-58 E54H
Pump pressure (bar/MPa)	135/13.5	170/17	170/17	170/17
Cleaning impact (kg/force)	3.8	5.8	5.8	5.8
Water flow Q _{max} /Q _{IEC} (l/h)	875/810	1200/1110	1200/1110	1200/1110
Max inlet temperature (°C)	85	85	85	85
Heating power (kW)	18	18	36	54
Number of pistons	4	4	4	4
Ceramic pistons	●	●	●	●
Pump (RPM)	1450	1450	1450	1450
Water temperature, max. (°C)	85	85	85	85
Water temperature ΔT at full flow (°C)	19	14	28	42
Dimensions L x W x H (mm)	700 x 900 x 940	700 x 900 x 940	700 x 900 x 940	700 x 900 x 940
Weight (kg)	150	155	156	157
Power consumption (kW)	5.8 + 18	7.5 + 18	7.5 + 36	7.5 + 54
Voltage/Phase/Frequency/Current (V/~/Hz/A)	400/3/50/35.9	400/3/50/39.4	400/3/50/65.3	400/3/50/91.2
Nozzle size	0530	0680	0680	0680
ITEM NO.	107370260	107370270	107370274	107370276



SOLAR BOOSTER
5 / 7 G + 7 GH



SOLAR BOOSTER
7 E18 / 36/ 54H

Stationary installations are the answer to your cleaning needs



You may be interested in **maintaining** hygiene levels in a slaughterhouse, kitchen or processing plant.

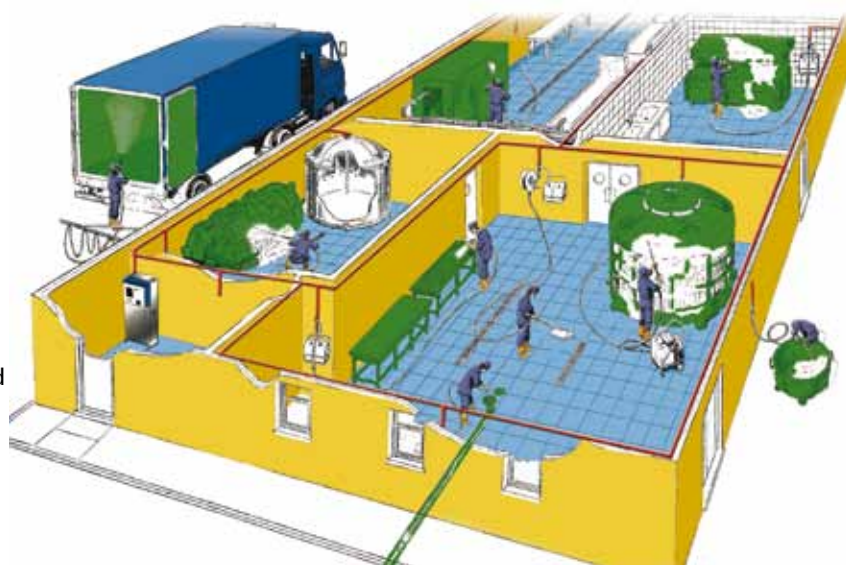
You may be interested in **degreasing** metal components in an industrial site.

You may be interested in **adding the final cleaning touch** to vehicles at the end of the production process.

But you are definitely also interested in **rationalising** your cleaning process.

Nilfisk-ALTO stationary pressure washers can help you do just that!

Machines can easily be installed in any location around the site. A carefully planned and optimised piping system will then ensure that you can easily and quickly clean at any area of your installation.



Stationary units offer numerous advantages

- Units are pre-set for your own needs. Individual users do not need to modify the settings, reducing the risk of error and reducing necessary training time of personnel.
- No need to transport machines from one end of the site to the other.
- No need to purchase several mobile machines to fulfil all cleaning applications.
- The placing of an outlet hose/lance/accessories at each cleaning point means that each user can be operational in seconds, reducing preparation time and labour costs.
- When using pressure washers, chemicals can be applied directly at each site, avoiding transport of detergents manually or through pipework.
- Careful planning can mean that for one machine, up to 6 or more people can work at any given time.

Forecourt mounted stationary hot water



TRUCK BOOSTER

- Stainless steel robust design against corrosion.
- EcoPower boiler for reduced fuel consumption costs.
- SilentPower, low noise level with 1450 RPM motor pump units.
- Simple control panel with only 4 buttons.
- Ergo 3000 accessories for user-friendliness.
- Internal frost protection down to minus 20°C.

AUTO BOOSTER

- Stainless steel robust design against corrosion.
- EcoPower boiler for reduced fuel consumption costs.
- SilentPower. Low noise level with 1450 RPM motor pump units.
- Electrically heated version.
- Up to 5 cleaning programs available.
- Internal frost protection down to minus 20°C.
- Closed circuit frost protection for hose and gun.
- Electronic coiner pre-programmed and with teach mode.
- Spring assisted boom for ease of use.
- 3 m clearance height.
- Can be made in oil company colours.
- Self-service unit.



TECHNICAL DATA	TRUCK BOOSTER 5-30D 240 V	TRUCK BOOSTER 5-49 D	TRUCK BOOSTER 7-63 D	AUTO BOOSTER 5-20 D	AUTO BOOSTER 5-20 E12	AUTO BOOSTER 5-22 E9
Pump pressure (bar/MPa)	85/8.5	180/18	175/17.5	100/10	100/10	90/9
Cleaning impact (kg/force)	3.0	4.9	6.3	2	2	2.2
Water flow Q _{max} /Q _{IEC} (l/h)	850/800	970/930	1260/1170	500/500	500/500	620/660
Max. inlet temperature (°C)	30	30	30	30	30	30
Pistons / number of pistons	Ceramic / 3	Ceramic / 3	Ceramic / 4	Ceramic / 3	Ceramic / 3	Ceramic / 3
Pump (RPM)	1450	1450	1450	1450	1450	1450
Water temperature (water/steam) (°C)	90/140	90/150	90/150	60/-	60/-	20-60
Fuel consumption, ΔT=45°C (kg/h)		4.3	5.6	2.7		
Fuel tank (l)	33	33	33	33		
Detergent tank (l)	2 x 25	2 x 25	2 x 25	3 x 25	3 x 25	3 x 25
Dimensions L x W x H (mm)	1025 x 715 x 1670	1025 x 715 x 1670	1025 x 715 x 1670	1025 x 715 x 1670	1025 x 715 x 1550	1025 x 715 x 1550
Weight (kg)	275	275	285	226	226	230
Power consumption (kW)	7.2	7.2	8.2	4.5	16.5	3
Voltage/phase/frequency/current (V~/Hz/A)	230/1/50/16	400/3/50/14	400/3/50/16	400/3/50/10.8	400/3/50/28	230/1/50/40
Automatic start/stop	●	●	●	●	●	●
Nozzle size	0700	0550	0680	0370	0370	0500
STANDARD EQUIPMENT						
HP hose (DN10, 10m)	6101766	6101766	6101766			
Ergo 2000 gun	106403122	106403122	106403122			106403122
Winter gun, - 25 bar				106402240	106402240	
Ergo coupling	101119496	101119496	101119496			
Water inlet coupling*	61369	61369	61369	61369	61369	61369
Tornado Plus lance without HP nozzle	106403010	106403010	106403010			
Universal Plus lance without HP nozzle				106403037	106403037	106403037
Tornado Plus nozzle	101119748	101119743	101119747	101119737	101119737	101119741
ITEM NO.	107370840	107370830	107370810	107370850	107370860	107370870

Increased Flexibility with Nilfisk-ALTO Options



UNO, DUO, ALPHA and SOLAR BOOSTERS can be equipped with an electronic control board. This gives the possibility to use a wide range of factory-mounted options and equipment such as remote control, coin boxes, pressure relief...
The use of options means that a standard machine is quickly and easily configured to become a customer-specific solution.

OPTION	DESCRIPTION	UNO BOOSTER	UNO BOOSTER EXTENDED	DUO BOOSTER	DUO BOOSTER 7-121	ALPHA BOOSTER 5	SOLAR BOOSTER D/G	SOLAR BOOSTER E/GH
		Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	Item No.
High Pressure detergent manual use	Injection of detergent under high pressure, manually controlled at the machine.	107340903	107340903	107340903	107340903	na	107340903	na
1 x detergent, electronic	Injection of 1 x detergent under high pressure controlled by solenoid valve and dosing unit. Detergent can be activated at a remote control unit or coin box. NOTE: For the DUO BOOSTER, the activation of detergent will only lead to the use of 1 of the 2 pumps capacity. For a special solution using 2 pump water capacity and injection of detergent, please request a special project.	na	107340900	na	107340906	107360900	107370952	107370952
2 x detergent	Injection of 2 x detergent under high pressure controlled by solenoid valve and dosing unit. Detergent can be activated at a remote control unit or coin box. NOTE: For the DUO BOOSTER, the activation of detergent will only lead to the use of 1 of the 2 pumps capacity. For a special solution using 2 pump water capacity and injection of detergent, please request a special project.	na	107340901	na	107340907	107360901*	107370953	107370953
Pressure relief	If the system is not in use for 10 minutes (or 20 seconds after the system closes down), a valve opens and relieves the pressure in the high pressure piping line. The entire system is free of pressure and must afterwards be started again.	na	107340902	na	107340902	na	107370966	107370966
No-Scale	Prevents scale in the boiler or internal water tank.	na	na	na	na	na	107370958	107370958
Low water security	Pressure switch on water inlet of the stationary unit. Set to 1 bar. Inlet water lower than 1 bar - the motor pump stops avoiding the unit running in "dry" mode.	107340905	107340905	107340905	107340905	na	107340905	Standard
Control kit	Option control kit for detergent, coin box, remote control with ALPHA BOOSTER 5	na	na	na	na	107360902	na	na



OPTION	DESCRIPTION	UNO BOOSTER	UNO BOOSTER EXTENDED	DUO BOOSTER	DUO BOOSTER 7-121	ALPHA BOOSTER 5-49	SOLAR BOOSTER D/G	SOLAR BOOSTER E/GH
		Item No.	Item No.	Item No.	Item No.	Item No.	Item No.	Item No.
Cold/Warm switchover	Allows double water inlet (either hot or cold) and switchover between sources.	na	107340915	na	107340916	na	na	107370959 (E)
Water inlet security	Comprises of a magnetic valve on the water tap, 5 m cable and a 24v, DC plug. If the hose breaks, the valve on the tap closes, preventing water spill.	107340910	107340910	107340910	107340910	na	107340910	
Remote control boxes	On-Off = 2 buttons	107340911	107340911	107340911	107340911	107340911*	107340911	107340911
	On-Off + 1 function (burner or option) = 3 buttons	na	107340912	na	107340912	107340912*	107340912	107340912
	On-Off + 2 functions (burner or option) = 4 buttons	na	107340913	na	107340913	na	107340913	107340913
	On-Off + 3 functions (burner or option) = 5 buttons	na	107340914	na	107340914	na	107340914	107340914
	Mains cut off button	29277	29277	29277	29277	29277*	29277	29277
Coin boxes	Mechanical, simple on-off, €½	54328	54328	54328	54328	54328*	54328	54328
	Mechanical, simple on-off, €1	54329	54329	54329	54329	54329*	54329	54329
	Mechanical, simple on-off, Tokens	54330	54330	54330	54330	54330*	54330	54330
	Mechanical, on-off + 1 detergent, €½	54332	54332	54332	54332	54332*	54332	54332
	Mechanical, on-off + 1 detergent, €1	54333	54333	54333	54333	54333*	54333	54333
	Mechanical, on-off + 1 detergent, Token	54334	54334	54334	54334	54334*	54334	54334
	Mechanical, on-off + 1 detergent €2	54335	54335	54335	54335	54335	54335	54335
	Electronic, rotary switch, without LCD	na	29272	na	29272	29272*	29272	29272
	Electronic, rotary switch, with LCD	na	54321	na	54321	54321*	54321	54321
	Kit for coin box	It allows the mounting of mechanical coin boxes on UNO and DUO BOSTER Basic versions.	107340908	na	na	na	na	na
Connection to external booster	It allows the connection of 2 SOLAR BOOSTERS together, or the connection of a SOLAR BOOSTER to an UNO BOOSTER, to increase water capacity.	On demand	On demand	On demand	On demand	na	On demand	On demand
Frost protection (lost - requires pressure relief)	Standard	107370954	107370954	107370954	107370954	107370954	107370954	107370954
	Deluxe with heater	107370955	107370955	107370955	107370955	107370955	107370955	107370955
M.M.O.	Allows connection of up to 3 SOLAR BOOSTER units together.						107370964	107370964
Closed air intake for gas models							107370965	107370965
Stainless steel cabinet parts							107370963 (G/GH)	107370963 (G/GH)
							107370962 (D/EH)	107370962 (D/EH)

*Requires Control Kit 107360902

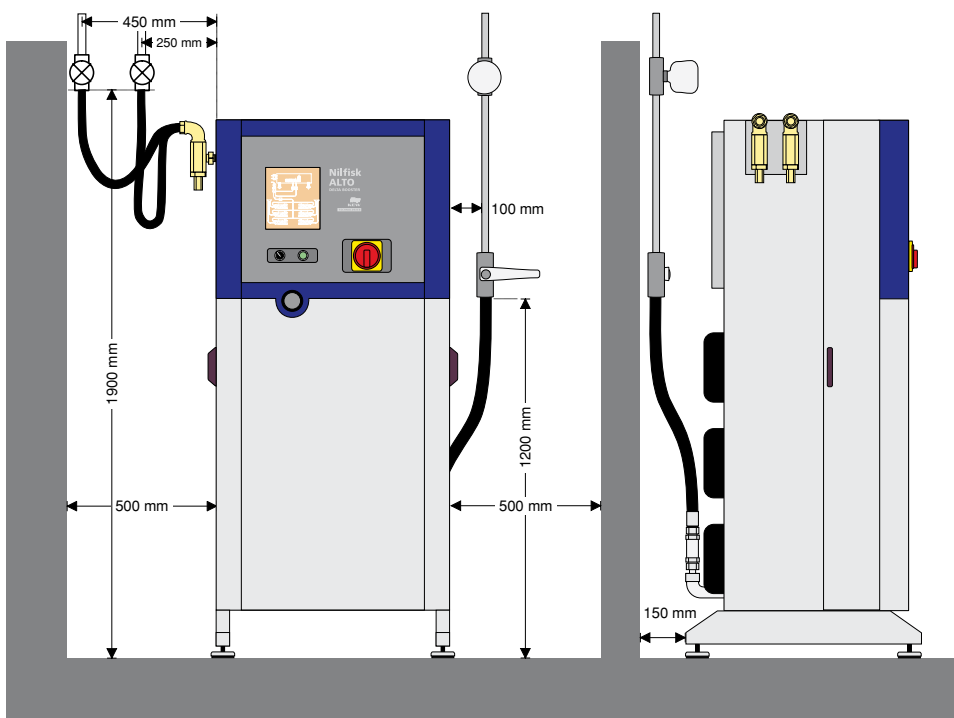


Installation diagram For stationary high pressure systems



Location of DELTA BOOSTER

DELTA BOOSTER is fitted with vibration absorbing rubber supports, so it may be placed straight on an even surface. The plant must be placed in frost-free premises, where the maximum temperature does not exceed 40°C.

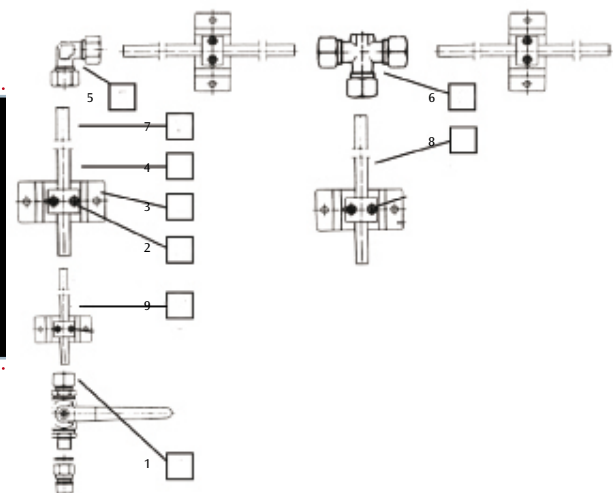


(DELTA BOOSTER is used as example in this explanation).

Piping Installation

The components in each individual case of pipework installation depends on the building, where it is to be located and special requirements, if any.

Special attention should be paid to the pressure drop in the pipework to ensure it is within 15 bar.



- | | |
|--|--|
| 1 Hydraulics valve 3/8" w/ quick coupling nipple and screw-joint | 7 Fixing socket 15x15 - 22x15 - 22x22 |
| 2 Pipe clamp 22 mm, plastic w/screw and nut | 8 Stainless steel pipe Ø22x1,5 + Ø22x2 |
| 3 Wall bracket for pipe clamp 15 + 22 mm | 9 Stainless steel pipe Ø15x1,5 mm |
| 4 Stainless steel pipe Ø22x1,5 + Ø22x2 mm | |
| 5 Elbow 15x15 - 22x22 - 22x15 | |
| 6 T-piece, 15 + 22, various | |

Accessories, Detergents and Options For stationary pressure washers

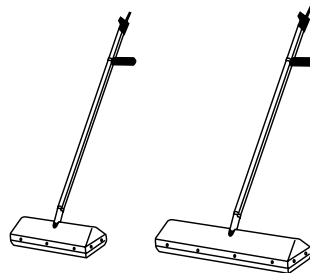
The difference between a product and a cleaning solution

The Nilfisk-ALTO range of stationary pressure washers can be adapted to each particular situation in order to offer the best possible solution - and guarantee efficient and profitable cleaning for your sites.

Accessories

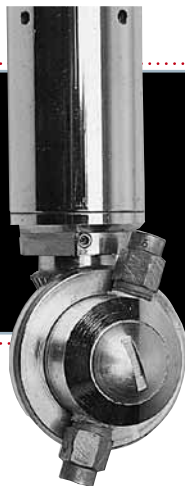
Nilfisk-ALTO boasts one of the largest ranges of accessories, easing cleaning in difficult places or reducing cleaning time. This range includes :

- Cleaning heads for tanks, barrels and containers
- Hose routing systems
- Cleaning trolley
- Sand and softblasting kits
- Floor cleaning equipment – and much more...



Cleaning heads:
The solution for excellent cleaning results.

TRK 25



FRK 150

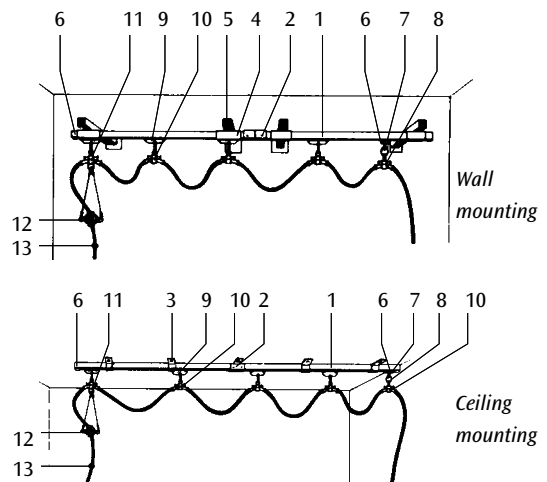


TRK 150



See our product catalogue for more information.

Schematic diagram: Hose routing system



①	Slide rail, 40 x 40, galvanised	4 m
②	Slide rail connector, 40 x 40	6 m
③	Slide rail bracket, 40 x 40	galvanised
④	Connection piece (spacer) 40 x 40, for ceiling and wall mounting	galvanised
⑤	Wall spacer, 40 x 40 500 mm long	galvanised
⑥	End stopper	
⑦	Eyelet	
⑧	Snap link	
⑨	Hose trolley for slide rails	
⑩	Hose bracket	10-16 mm DN 8
⑪	Hose bracket with eyelet	10-16 mm DN 8
⑫	Strain relief	10-16 mm DN 8
⑬	Balancer, 3-6 kg	
⑬	Pivot joint, straight	

The Ergo System optimises ergonomics, user-friendliness and adaptability of the pressure washer for professional users.

Intensive use of a pressure washer can be tiring for hands, arms and shoulders. So the parts of the pressure washer handled most - the spray gun, lance and couplings, were studied and engineered to reduce operator fatigue and thereby increase operating efficiency.

Various accessories and attachments can be used to optimise the pressure washer for a specific cleaning task... and with the Ergo system described on the next page, it is possible to change accessories in seconds, of course without tools.

Ergonomics

Ergo³⁰⁰⁰System
Applied Ergonomics

Ergo 3000 is the user-friendly equipment system for the 3rd millennium. Optimal comfort, reduced operator fatigue, and maximum efficiency!

The system includes the high pressure couplings, the spray gun, and 3 different types of lances along with the high pressure nozzle.

Ergo 3000 Quick-Couplers. If you have ever struggled to connect or disconnect a threaded high pressure hose connection, or a hot one, you will appreciate this coupler system.

Ergo 3000 Lances. Durable, comfortable and lightweight, they are manufactured with corrosion-resistant stainless steel pipes and an insulating grip designed to fit the operator's hand.

Ergo 3000 Sidebar. For operators who prefer a sidebar, this accessory is designed for left or right-handed operators. And it can be positioned for operators with long or short arms.

Ergo 3000 Spray Gun. The heart of the Ergo system, and the ultimate in spray gun ergonomics. The high pressure hose can swivel and rotate around the axis of the lance so it's not resisting your movements. And the quick-coupling system allows the changing of lances or accessories in a few seconds, without tools. To minimize the operator's fatigue, the two strongest fingers, instead of the two weakest ones activate the trigger.

Ergo 2000 Spray Gun. A new ergonomic spray gun based on tried and tested technology, the Ergo 2000 gun combines optimal serviceability with robustness and simplicity.

Tornado Plus nozzles. You have to use it to see how much more powerful it is. The patented design focuses the impact of the water jet but does not narrow the cleaning pattern.



①



②



③



④



⑤



⑥



⑦



⑧

1) Ergo 2000 spray gun

- Unique, ergonomic design
- Low activation and holding forces
- Reduced working strain
- Accessory quick coupling system
- VarioPress version available (is shown on picture)

2) Ergo 3000 spray gun

- Low activation and holding force on trigger
- 360° flexo swivel for hose with locking device adding comfort in any working position
- Swivel couplings on hose avoid hose drilling
- Quick bayonet coupling system for easy connection of accessories
- VarioPress version available (is shown on picture)

3) Tornado Plus nozzle

- Patented nozzle construction
- 75% more efficient through high level of water concentration

4) Ergo 3000 high pressure couplings

- Quick and easy connection of hose and machine
- Protective cover shield against heat transfer
- Security against hose removal when hose is under pressure

5) Universal Plus lance

- Lightweight and simple high pressure lance
- Stainless steel piping
- Ergonomic casing for optimal holding positions
- Available in different versions; curved and straight

6) FlexoPower Plus lance

- Lightweight and simple lance
- Pressure regulation at nozzle head allowing work with low pressure detergent and rinsing
- Stainless steel piping
- Ergonomic casing for optimal holding positions
- Available in different lengths

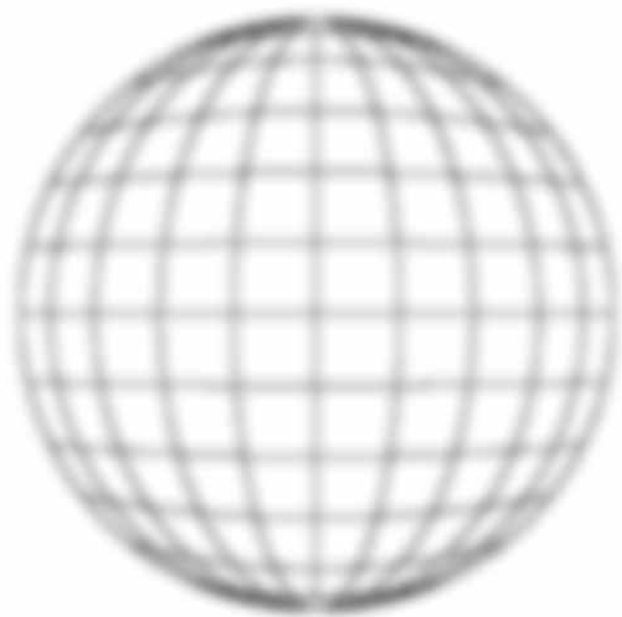
7) Tornado Plus lance

- Robust stainless steel double pipe lance
- Pressure regulation at lance
- Separate low pressure nozzle with optimal rinsing effect that gives possibility for using low pressure detergent
- Available in different lengths

8) Sidebar

- Optional accessory for additional comfort in working posture
- SoftGrip - Flexible solution: Adaptable to left or right handed use, long or short reaches

A clean investment that will pay off!



You will obtain the best possible cleaning solution from your installations thanks to....

- **Our expertise in planning and installing cleaning equipment**
- **The most reliable and durable solutions on the market**
- **A range of options and accessories that enable you to customize the cleaning equipment to satisfy each of your specific needs**



The Nilfisk-ALTO brand is owned by Nilfisk-Advance A/S, one of the leading professional cleaning equipment companies in the world, with a turn-over of Euro 789 million and 4,900 employees.

Our headquarters is in Denmark and we have sales companies in all main European countries, North America and Asia. Our manufacturing facilities are in Hungary, China, Italy, the USA, Singapore, Denmark and Germany.

We supply quality high pressure washers, vacuum cleaners and floor care equipment to agriculture, automotive and industrial companies, cleaning contractors and private consumers.

With the Nilfisk-ALTO brand we focus on innovation and growth. We believe in developing and maintaining long lasting relationships with our customers, suppliers and employees.

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