

# STATIONARY INSTALLATIONS - WHY COMPROMISE

*for every cleaning demand*

**Nilfisk  
ALTO**

*Why Compromise*



**Wap  
KEW**

TECHNOLOGIES



# Speed up your Cleaning



## The connect and clean Nilfisk-ALTO 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 piping system with several outlet points for cleaning in a multitude of sites.
- 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 milk-sheds and stables.

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

The Nilfisk-ALTO ALPHA BOOSTER is a complete range of 1 and 3 phase mid range units 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.

- 1 1450 rpm motor pump units for long life and low noise level
- 2 Complete spray equipment as standard accessories – product is ready to use
- 3 Stainless steel cabinet (ALPHA BOOSTER 5 and 8) is easy to clean, maintaining hygiene levels in your surroundings.



*Nilfisk-ALTO ALPHA BOOSTER*

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

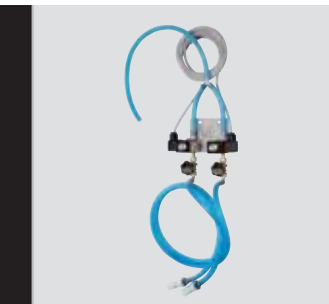
# Tasks



	ALPHA BOOSTER 8-103	ALPHA BOOSTER 8-103B	ALPHA BOOSTER 5-49	ALPHA BOOSTER 3-41	ALPHA BOOSTER 5-27	ALPHA BOOSTER 3-26
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Technical data:							
Pressure	bar/MPa	180/18	180/18	180/18	180/18	110/11	140/14
Cleaning impact	kg/Force	10.3	10.3	4.9	4.1	2.7	2.6
Water flow - QIEC	l/h	1950	1950	900	750	630	550
Water flow - Qmax	l/h	2000	2000	970	825	700	600
Max. inlet temp.	°C	60-70	60-70	60-70	60-70	60-70	60-70
Power absorbed	kW	12	12	6.9	5.2	3.2	3.2
	V~/Hz/A	400/3/50/21	400/3/50/21	400/3/50/12.5	400/3/50/9.9	230/1/50/15	230/1/50/15.6
Pump	RPM	1450	1450	1450	1450	1450	1450
Weight	kg	78	78	48	48	39	39
Dimensions L x W x H	mm	655 x 425 x 467	610 x 410 x 467	643 x 357 x 365	560 x 350 x 370	643 x 357 x 365	560 x 350 x 370
Cable	m	5	5	5	5	5	5

Standard Equipment:							
Hose	m/Ø	10/DN10	10/DN10	10/DN8	10/DN6	10/DN8	10/DN6
Ergo Gun		● Ergo 3000	● Ergo 3000	● Ergo 1000	● Ergo 1000	● Ergo 1000	● Ergo 1000
FlexoPower 3000 lance (92 cm)		●	●	●	●	●	●
Detergent injection low pressure		●	●	●	●	●	●
Cabinet		●	Option	●	Option	●	Option
Nozzle size		1000	1000	0500	0400	0435	0370
Full ceramic pistons		●	●	●	●	●	●



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



# Accessories, Detergents and Options

## *For stationary pressure washers*

### The difference between a product and a cleaning solution

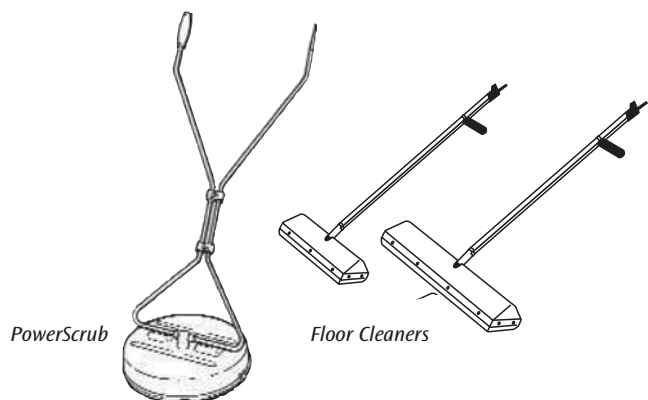
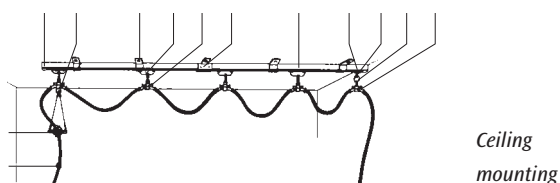
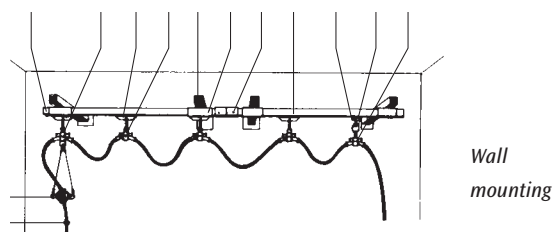
The Nilfisk-ALTO range of stationary pressure washers can be adapted to each particular situation in order to offer the best possible solution - and guarantee efficient and profitable cleaning for your sites.

### 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...

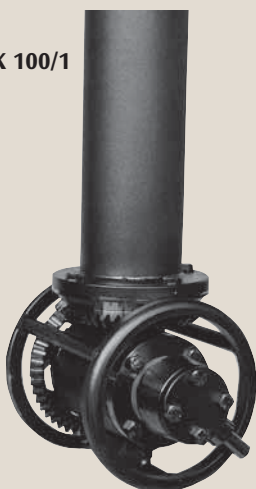
### Schematic diagram: Hose routing system



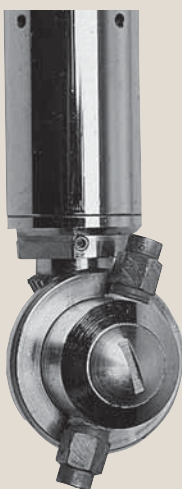
### Cleaning heads:

*The condition for excellent cleaning results.*

TRK 100/1



TRK 25



TRK 150



FRK 150



*See our product catalogue for more information.*

## The Nilfisk-ALTO Ergo System optimises ergonomics, user-friendliness and adaptability of the pressure washer for 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.

**Ergo 1000 Spray Gun.** A new ergonomic spray gun based on tried and tested technology, the Ergo 1000 gun combines optimal serviceability with robustness and simplicity. Various accessories and attachments can be used to optimise the pressure washer for a specific cleaning task... and with the Ergo system described on next page, it is possible to change accessories in seconds, even without tools.

# Ergonomics

**Ergo<sup>3000</sup>System**  
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 lance 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 minimise the operator's fatigue, the two strongest fingers, instead of the two weakest ones activate the trigger.

**Ergo 1000 Spray Gun.** A new ergonomic spray gun based on tried and tested technology, the Ergo 1000 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.





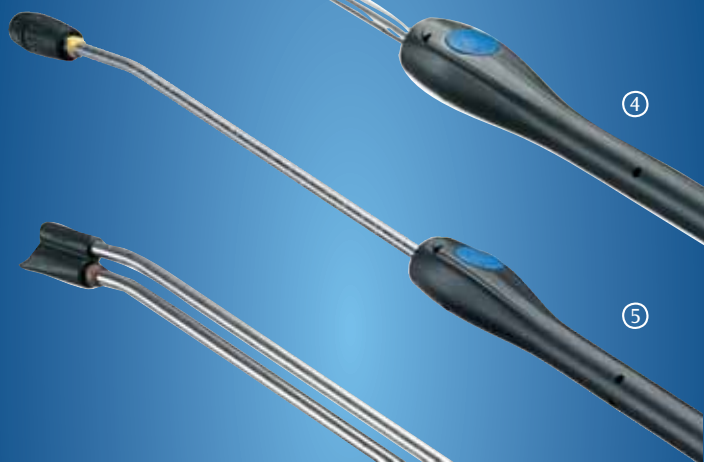
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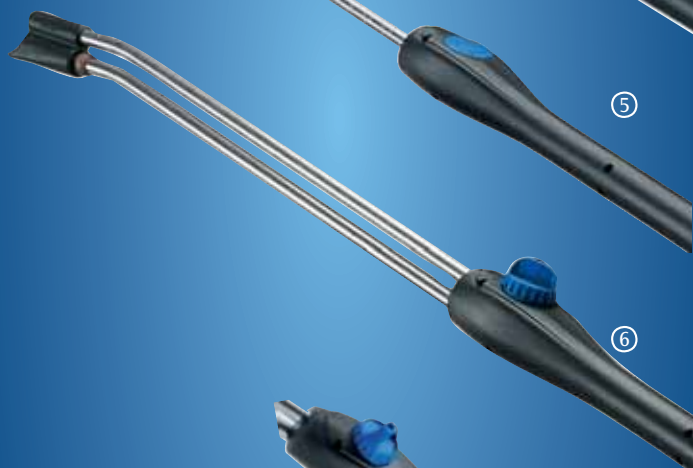
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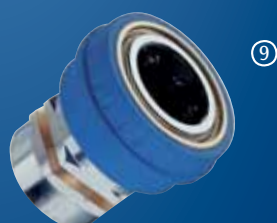
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⑨

#### ① Ergo 1000 spray gun

- Large, robust design
- Quick bayonet coupling system for easy connection of accessories
- Innovative new Vario Press function (Ergo 1000 VP) situated within the trigger guard.
- Optimal serviceability – immediate access to valve seats through the hose coupling area

#### ② Ergo 3000 spray gun

- Low activation and holding force on trigger
- 360 degree 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
- Vario Press version available

#### ③ Ergo 3000 VarioPress spray gun

- Easy to regulate water pressure and flow close to the working place

#### ④ Universal 3000 Lance

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

#### ⑤ FlexoPower 3000 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

#### ⑥ Tornado 3000 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

#### ⑦ Sidebar

- New optional accessory for additional comfort in working posture
- Soft grip - Flexible solution: adaptable to left or right handed use, long or short reaches

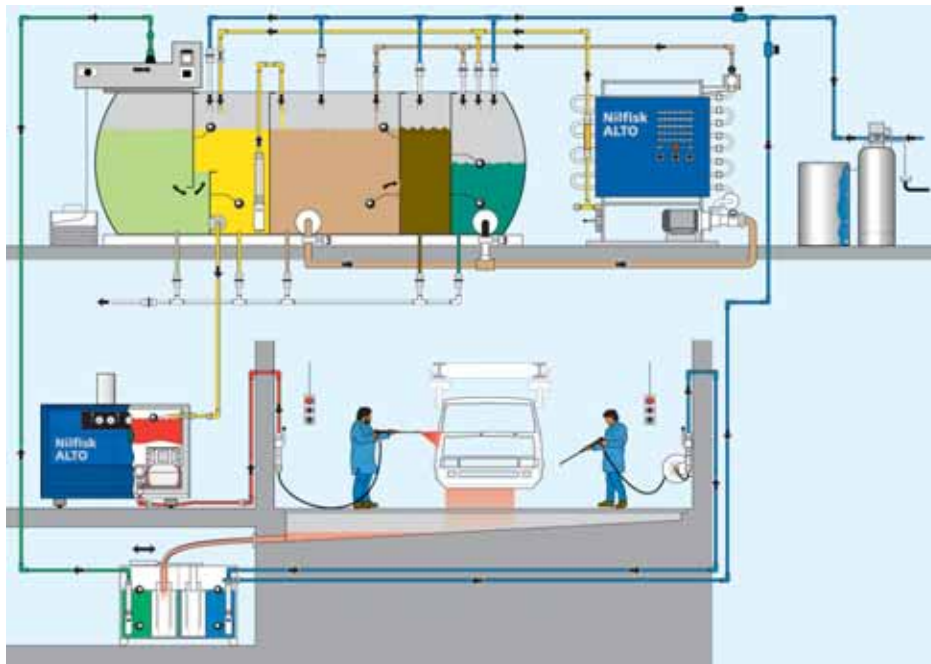
#### ⑧ Tornado Plus Nozzle

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

#### ⑨ 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

# Water Treatment Systems



**Process:**  
Example of sewage-free circulation of a high pressure cleaning facility for phosphatising and/or degreasing – mixed water mode.

## Industrial High Pressure Cleaning Systems

### With Ultra-Filtration (OSMOMAT System), CMS Series

For industry and trade Nilfisk-ALTO offers application oriented, high pressure cleaning systems with perfected system technology. The Nilfisk-ALTO modular design meets a broad range of performance requirements.

Nilfisk-ALTO customers are supplied with complete systems from one supplier.

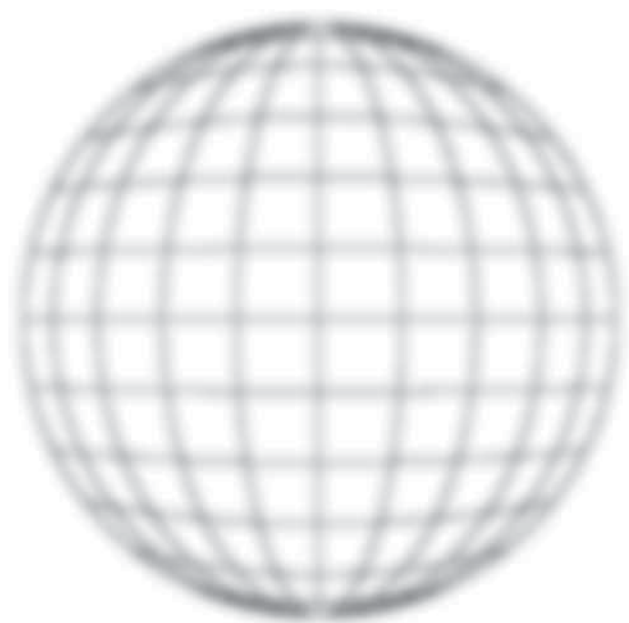
Process water is treated with ultra-filtration via a patented process used for processing waste water from cleaning, degreasing and phosphatising systems. Your advantages: Reduced water consumption, lower operating and energy costs, less detergent, prevention of waste-water and environmental hazards – thanks to the circulation system.



Hot water high pressure: High efficiency with low energy requirement



# A clean investment that will pay off!



**You will obtain the best possible cleaning solution for your installation thanks to...**

- **Our expertise in planning and installing units**
- **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**



Nilfisk-ALTO is a division of the Nilfisk-Advance group, which is the world's largest manufacturer of professional cleaning equipment with a turnover of close to 700 million € and around 3800 employees globally. We are located in all main European countries, North America and Asia with our headquarters in Denmark and manufacturing facilities in China, Denmark, Germany, Hungary, Italy, Sweden and North America.

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

Nilfisk-ALTO is a product driven company with focus on innovation and growth. We believe in developing and maintaining long lasting relationships with our customers, suppliers and employees.

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