

COLD WATER - WHY COMPROMISE

professional cold water pressure washers



Nilfisk ALTO

Why Compromise

**Wap
KEW**

TECHNOLOGIES

NEW

Nilfisk-ALTO POSEIDON 3

– Compact, cost efficient and powerful - the newest addition to the POSEIDON family

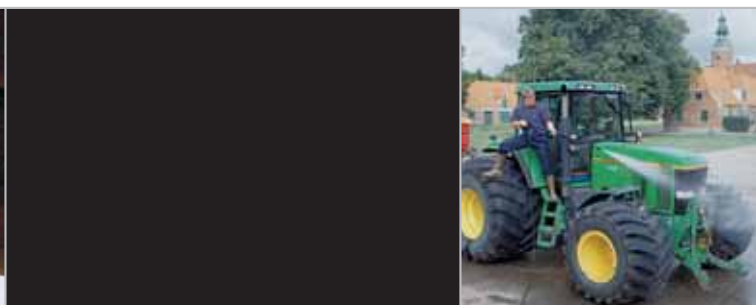


Launch of the new Nilfisk-ALTO POSEIDON 3

In 2006, Nilfisk-ALTO continues its trend of development and launch of some of the best pressure washers on the market.

The latest addition to the cold water family is the compact class Nilfisk-ALTO POSEIDON 3. This new range is designed for light duty use for craftsmen, small hobby and dairy farms and small garages.

The Nilfisk-ALTO POSEIDON 3 is built with the same promise of offering our customers a reliable, easy to use and cost efficient tool to support their business activities. Excellent storage facilities, robust and long lasting materials and optimum performance will render this unit an essential tool for any small business.





Nilfisk-ALTO POSEIDON Family

– Efficient cold water cleaning for demanding cleaning task



The Nilfisk-ALTO POSEIDON family - a range of powerful yet quiet pressure washers for any application

The POSEIDON family also comprises a range of medium duty and heavy duty pressure washers.

The POSEIDON 5, 7 and 8 lines all offer the benefits of silent power: slow running motor pumps offering optimum lifetime at low, low noise levels. Whether you require high pressure, or high water flow - the POSEIDON line has a model for you.

Valuable partners for even the most intense use in industry, agriculture or the food industry.



SilentPower
Quiet Impact

3000 ErgoSystem
Applied Ergonomics



POSEIDON 8

- High water flow ensures heavy rinsing effect



The ultimate dual pump cold water unit with very high water flow and high pressure. Ideal for agriculture, construction or food industry.

The Nilfisk-ALTO POSEIDON 8 links the advantages of high water flow and high pressure, allowing both cleaning of intense dirt and flushing and rinsing of large quantities of loose dirt. The POSEIDON 8 can be used by 2 people simultaneously, solving two separate cleaning tasks at one time. The POSEIDON 8 is equipped with the heavy duty C3 pump.

POSEIDON 8-128

- 2 pump system for 1 or 2 users
- High water flow ensures heavy rinsing effect
- 2 x 4 stainless ceramic pistons
- Stainless steel frame resists corrosion
- Heavy duty C3 pumps with extended lifetime
- Ergo 3000 spray gun for unmatched user comfort



Technical data:		POSEIDON 8-128
Pump pressure	bar	180
	MPa	18
Cleaning Impact	kg/Force	12.8
Water flow, Q _{max} /Q _{IEC}	l/h	2560/2360
Water flow, min.	l/h	2360
Max. inlet temp.	°C	60
Suction height	m	1.5
Power consumed	kW	2 x 8.0
Voltage/phase/frequency/current	V/~ /Hz/A	400/3/50/2 x 14.5 230/3/50/2 x 25
Pump	RPM	1450
Sound level - LpA	dB(A)	78
Weight	kg	135
Dimensions L x W x H	mm	1050 x 720 x 765
HP hose	m/Ø	10/DN12

Standard equipment:

Ergo 3000 Gun	●
Ergo 3000 lance	○ Tornado
Tornado Plus nozzle	● 1300
Full ceramic pistons	●

● Standard Accessories ○ Supplementary Accessories

POSEIDON 7

- Power, robustness and durability



POSEIDON 7-66 F POSEIDON 7-66 FB

- 4 ceramic pistons
- 1450 rpm motor
- Robust frame (stainless steel frame on the FB model)
- Inlet temperature up to 85°C (suction 70°C)
- Heavy duty C3 pumps with extended lifetime
- Ergo 3000 spray gun for unmatched user comfort
- Chemical injector with bypass *
- Onboard water break tank (*FB model)



POSEIDON 7-66 POSEIDON 7-59

- 4 ceramic pistons
- 1450 rpm motor
- Robust frame
- Inlet temperature up to 85°C (suction 70°C)
- Heavy duty C3 pumps with extended lifetime
- Ergo 3000 spray gun for unmatched user comfort

The ultimate industrial cold water unit with high water flow and high pressure. Ideal for agriculture, industry or food industry.

The Nilfisk-ALTO POSEIDON 7 links the advantages of high water flow and high pressure, allowing both cleaning of intense dirt and flushing and rinsing of large quantities of loose dirt. The POSEIDON 7 is equipped with the heavy duty C3 pump with a high inlet temperature of 85 C for use with pre-heated water and additional degreasing effect.



Technical data:		POSEIDON 7-66 F/FB*	POSEIDON 7-66	POSEIDON 7-59
Pump pressure	bar	190	190	170
	MPa	19	19	17
Cleaning Impact	kg/Force	6.6	6.6	5.9
Water flow, Qmax/QIEC	l/h	1280/1180	1280/1180	1200/1120
Water flow, min.	l/h	1180	1180	1120
Max. inlet temp.	°C	85/70*	85	85
Suction height	m	1.5/1.0	1.5	1.5
Power consumed	kW	8.0	8.0	7.1
Voltage/phase/ frequency/current	V~/Hz/A	200/3/50/2 x 28 200/3/60/28 220/3/60/25 230/3/50/24 400/3/50/14 440/3/60/12.5 415/3/50/13 575/3/60/9	200/3/50/2 x 28 200/3/60/28 220/3/60/25 230/3/50/24 400/3/50/14 440/3/60/12.5 415/3/50/13 575/3/60/9	230/3/50/20 400/3/50/12 415/3/50/11 440/3/60/10.5
Pump	RPM	1450	1450	1450
Sound level - LpA	dB(A)	75	75	75
Weight	kg	74	74	71
Dimensions Lx W x H	mm	1020 x 480 x 940	1020 x 480 x 940	1020 x 480 x 940
HP hose	m/Ø	10/DN10	10/DN10	10/DN10

Standard equipment:

Ergo 3000 Gun	●	●	●
Ergo 3000 lance	Tornado	Tornado	Tornado
Tornado Plus Nozzle	● 0640	● 0640	● 0640
Full ceramic pistons	●	●	●
HP hose reel	○ 301000540	○ 301000202	○ 301000202

* FB model ● Standard Accessories ○ Supplementary Accessories



POSEIDON 5

- High performance, unbeatable ergonomics and user-friendliness



The ideal partner for cold water cleaning tasks in all sectors. High performance, unbeatable ergonomics, low noise levels and easy servicing make this an unmatched pressure washer.

The Nilfisk-ALTO POSEIDON 5 line comprises 5 models with different levels of performance and equipment adapted to most general cleaning tasks whether they require high pressure or high water capacity. The robust and stable design make the POSEIDON 5 adapted to even the toughest environments.

XT versions possess a wide range of additional equipment.

POSEIDON 5-63 XT

POSEIDON 5-62 XT

- Robust frame
- Pressure/flow regulation
- Outstanding ergonomics
- SilentPower - low noise level
- Full ceramic pistons
- Vibration dampener for increased user comfort (POSEIDON 5-63XT)
- Hose reel



POSEIDON 5-63

POSEIDON 5-62

- Robust frame
- Pressure/flow regulation
- Outstanding ergonomics
- SilentPower - low noise level
- Full ceramic pistons
- Vibration dampener for increased user comfort (POSEIDON 5-63)



The removable detergent tank is easy to fill and to empty and the level of remaining detergent can be spotted within seconds. Standard equipment on all XT models.

Technical data:	POSEIDON 5-63 XT	POSEIDON 5-63	POSEIDON 5-62 XT	POSEIDON 5-62
Pump pressure	bar 170	170	220	220
	MPa 17	17	22	22
Cleaning Impact	kg/Force 6.3	6.3	6.2	6.2
Water flow, Q _{max} /Q _{IEC}	l/h 1300/1200	1300/1200	1130/1050	1130/1050
Water flow, min.	l/h 250	250	250	250
Max. inlet temp.	°C 60	60	60	60
Suction height	m 1.5	1.5	1.5	1.5
Power consumed	kW 7.8	7.8	7.8	7.8
Voltage/phase/frequency/current	V/~/Hz/A 400/3/50/14.1 230-400/3/50/24.5	400/3/50/14.1 230-400/3/50/24.5	400/3/50/14.1 440-220/60/14.1	400/3/50/14.1 440-220/60/14.1
Pump	RPM 1450	1450	1450	1450
Sound level - LpA	dB(A) 74	74	73	73
Weight	kg 89	79	89	79
Dimensions L x W x H	kg 920 x 550 x 1015	740 x 550 x 1015	920 x 550 x 1015	740 x 550 x 1015
HP hose	m/Ø 15/DN10	10/DN10	20/DN8	10/DN8

Standard equipment:

Ergo Gun	● Ergo 3000	● Ergo 3000	● Ergo 3000	● Ergo 3000
Ergo 3000 lance	Tornado	Tornado	Tornado	Tornado
Ergo 3000 Rotary nozzle lance	● 106402174	○ 106402174	● 106402176	○ 106402176
Tornado Plus nozzle	● 0750	● 0750	● 0550	● 0600
Detergent Tank	●	○	●	○
Full ceramic pistons	●	●	●	●
HP Hose reel	●	○ 301001310	●	○ 301001310

● Standard Accessories

○ Supplementary Accessories

POSEIDON 5

- High performance, unbeatable ergonomics and user-friendliness



POSEIDON 5-54 XT POSEIDON 5-28 XT

- Robust frame
- Pressure/flow regulation
- Outstanding ergonomics
- SilentPower - low noise level
- Full ceramic pistons
- Hose reel



POSEIDON 5-54 POSEIDON 5-43 POSEIDON 5-28

- Robust frame
- Pressure/flow regulation
- Outstanding ergonomics
- SilentPower - low noise level
- Full ceramic pistons



The generation of Nilfisk-ALTO NP5 motor pump units are specifically developed to suit the professional market. They offer cost effective performance, durability and low noise levels.

- 1450-rpm slow running motor gives more than a 50% reduction in noise level.
- Full ceramic piston sleeves with high resistance to wear and tear
- Brass pump head and reinforced cylinder heads for longer lifetime
- Tapered roller bearings, capable of carrying twice the load of normal bearing systems
- Oil system with easy filling and emptying possibilities. Includes oil sight glass.



SilentPower
Quiet Impact



Technical data:		POSEIDON 5-54 XT	POSEIDON 5-54	POSEIDON 5-43	POSEIDON 5-28 XT	POSEIDON 5-28
Pump pressure	bar	200	200	180	110	110
	MPa	20	20	18	11	11
Cleaning Impact	kg/Force	5.4	5.4	4.3	2.8	2.8
Water flow, Qmax/QIEC	l/h	1030/950	1030/950	860/800	720/660	720/660
Water flow, min.	l/h	250	250	250	250	250
Max. inlet temp.	°C	60	60	60	60	60
Suction height	m	1.5	1.5	1.5	1.5	1.5
Power consumed	kW	6.3	6.3	5.3	3.0	3.0
Voltage/phase/frequency/current	V/~/Hz/A	400/3/50/12.3 230-400/3/50/21.4 440-220/3/60/14.1 200/3/50/20 200/3/60/20	400/3/50/12.3 230-400/3/50/21.4 440-220/3/60/14.1	400/3/50/9.2 220-400/3/60/19.5	230/1/50/13 220/1/50/13	230/1/50/13
Pump	RPM	1450	1450	1450	1450	1450
Sound level - LpA	dB(A)	73	73	72	66	66
Weight	kg	85	75	70	80	70
Dimensions L x W x H	mm	920 x 550 x 1015	740 x 550 x 1015	740 x 550 x 1015	920 x 550 x 1015	740 x 550 x 1015
HP hose	m/Ø	15/DN8	10/DN8	10/DN8	15/DN8	10/DN8

Standard equipment:

	● Ergo 1000	● Ergo 1000	● Ergo 1000	● Ergo 1000	● Ergo 1000
Ergo Gun	● Tornado	● FlexoPower	● FlexoPower	● FlexoPower	● FlexoPower
Ergo 3000 lance	●	○ 106402175	○ 106402171	●	○ 106402171
Ergo 3000 Rotary nozzle lance	●	● 0550	● 0500	● 0500	● 0500
Tornado Plus nozzle	●	● 0530	● 0500	● 0500	● 0500
Detergent Tank	●	○ 301001412	○ 301001412	●	○ 301001412
Full ceramic pistons	●	●	●	●	●
HP Hose reel	●	○ 301001310	○ 301001310	●	○ 301001310

● Standard Accessories ○ Supplementary Accessories

POSEIDON 3

- Powerful and compact cold water cleaning



Tradesmen, small building companies, small garages or farms have frequent uses for cold water pressure washers, often cleaning for a small amount of time each day.

The new Nilfisk-ALTO POSEIDON 3 line offers an ideal cleaning solution for these frequent, low intensity uses typical of so many customer groups. The POSEIDON 3 line is robust, yet compact – making the machines easy to store or transport and yet very resistant to shocks such as those incurred on construction sites or in the back of commercial vehicles. And in spite of the small size, the POSEIDON 3 line offers high cleaning power in both single and three phase versions.

POSEIDON 3 XT

- 3 stainless steel pistons
- Ergonomic design
- Integrated hose reel
- Integrated detergent dosing
- Adjustable transport handle



POSEIDON 3

- 3 stainless steel pistons
- Ergonomic design
- Easy to use
- Detergent injector
- Powerful and long-lasting



The integrated injector-doser and suction hose make application of detergent quick and simple.

		POSEIDON 3-40 XT	POSEIDON 3-40	POSEIDON 3-30 XT	POSEIDON 3-30
Technical data:					
Pump pressure	bar	170	170	150	150
	MPa	17	17	15	15
Cleaning Impact	kg/Force	4.0	4.0	3.0	3.0
Water flow, Q _{max} /Q _{IEC}	l/h	825/750	825/750	660/600	660/600
Water flow, min.	l/h	750	750	600	600
Max. inlet temp.	°C	60	60	60	60
Suction height	m	1	1	0.5	0.5
Power consumed	kW	4.0	4.0	3.5	3.5
Voltage/phase/ frequency/current	V/~/Hz/A	400/3/50/16 415/3/50/16 220-440/3/60 230-400/3/50	400/3/50/16 415/3/50/16 220-440/3/60 230-400/3/50	230/1/50/16 230/1/50/13 230/1/50/10 220/1/60/15 120/1/60/15 100/1/50/15 100/1/60/15	230/1/50/16 230/1/50/13 230/1/50/10 220/1/60/15 120/1/60/15 100/1/50/15 100/1/60/15
Pump	RPM	2800	2800	2800	2800
Sound level - LpA	dB(A)				
Weight	kg	39	36.5	38	35.5
Dimensions L x W x H	mm	390 x 450 x 980	385 x 450 x 980	390 x 450 x 980	385 x 450 x 980
HP hose	m/Ø	15/DN6	10/DN6	15/DN6	10/DN6

Standard equipment:

Ergo 1000 Gun	●	●	●	●
Ergo 3000 lance	● FlexoPower	● FlexoPower	● FlexoPower	● FlexoPower
Tornado Plus nozzle	● 0450	● 0450	● 0400	● 0400
HP hose reel	●	○ 301002343	●	○ 301002343

● Standard Accessories

○ Supplementary Accessories

POSEIDON 2

- Compact cold water power high performance and ergonomics



POSEIDON 2-28 XT

- For tough and frequent use
- Integrated hose reel
- Flow regulation
- Ceramic pistons - brass cylinder head
- Removable integrated detergent tank
- Steel armed hose
- Automatic start/stop
- Detergent injector hose and doser
- With hose reel, additional hose and rotary jet lance



POSEIDON 2-28

- For tough and frequent use
- Flow regulation
- Ceramic pistons - brass cylinder head
- Removable integrated detergent tank
- Steel armed hose
- Automatic start/stop



The compact cold water line that combines high performance level for increased cleaning efficiency, ergonomics and durability for superior everyday cleaning.

The Nilfisk-ALTO POSEIDON 2 line comprises models designed for everyday semi-professional use mainly by tradesmen, on small construction sites or in rental.

The POSEIDON 2-28 XT mobile unit associates a high level of ergonomics with cleaning power.

The POSEIDON 2-24 and 2-26 PORTABLE models, with steel protective bar, are ideal partners around tough environments.



POSEIDON 2-26 / 2-24 PORTABLE

- Ergonomic and compact design for easy transport
- Steel protective robust roll bar for use in tough environments
- Ergo 1000 accessory concept

Technical data:	POSEIDON 2-28 XT	POSEIDON 2-28	POSEIDON 2-26 PORTABLE	POSEIDON 2-24 PORTABLE
Pump pressure	bar 10-160	10-160	max. 140	max. 100
	MPa 1-16	1-16		
Cleaning Impact	kg/Force 2.8	2.8	2.6	2.4
Water flow, Qmax/QIEC	l/h 600-570	600-570	610/540	650/600
Water flow, min.	l/h 570	570	540	600
Max. inlet temp.	°C 60	60	40	40
Suction height	m		1	1
Power consumed	kW 3.3	3.3	2.9	2.2
Voltage/phase/frequency/current	V/~/Hz/A 230/1/50/14.5	230/1/50/14.5	240/1/50/16	240/1/50/10
Pump	RPM 2800	2800	2800	2800
Sound level - LpA	dB(A) 86	86	86.6	86.6
Weight	kg 24.5	23.5	24	24
Dimensions L x W x H	mm 394 x 391 x 955	394 x 391 x 955	550 x 300 x 280	550 x 300 x 280
HP hose	m/Ø 15/DN8	10/DN6	10/DN8	10/DN8

Standard equipment:

Ergo 1000 Gun	●	●	●	●
Ergo 3000 lance	● FlexoPower+Turbohammer	● FlexoPower	● FlexoPower	● FlexoPower
Tornado Plus nozzle	● 0350	● 0350	● 0350	● 0500
HP hose reel	●			

The accessories, the application, the solutions, the flexibility

(please find further accessories in our main catalogue)

The Nilfisk-ALTO Ergo 3000 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.



Simple Short Lance & Short Double Lance

These lances allow you to control the water flow and pressure when working close to the dirt.



Water sandblaster

These accessories make it easy to remove rust, scale and even concrete build-up from surfaces. It can also be used for cleaning or to prepare for painting.



Armex Softblasting

The Armex Softblasting kit makes it easy to remove paint, such as Graffiti, without damaging the surface. It can also be applied when cleaning smoke damage or other dirt before repainting walls.



Rotary Brush

The Rotary Brush is driven by the water of your pressure washer, which includes a control for rotation speed and control for pressure and detergent (if an external injector is used). This brush is ideal for cleaning bodywork, windows, etc.



PowerScrub

The PowerScrub is an easy and fast way to clean small or large horizontal or vertical surfaces. Available in 30 cm, 40 cm or 50 cm diameter.



Washing Brush

This brush is ideal for washing trucks, buses and camping trailers. It also includes control for detergent (if an external injector is used).





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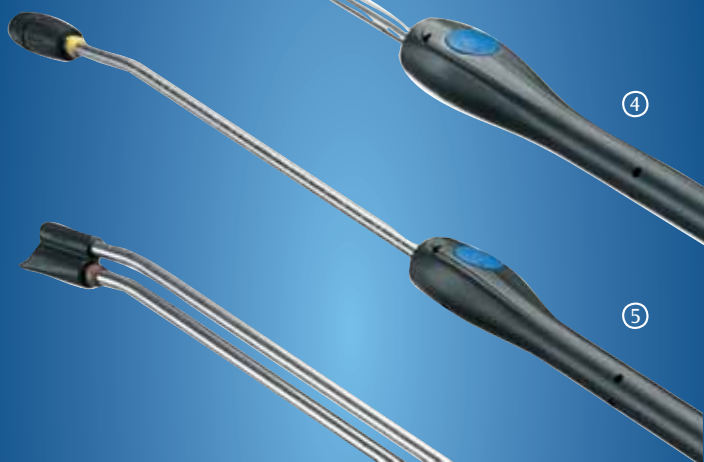


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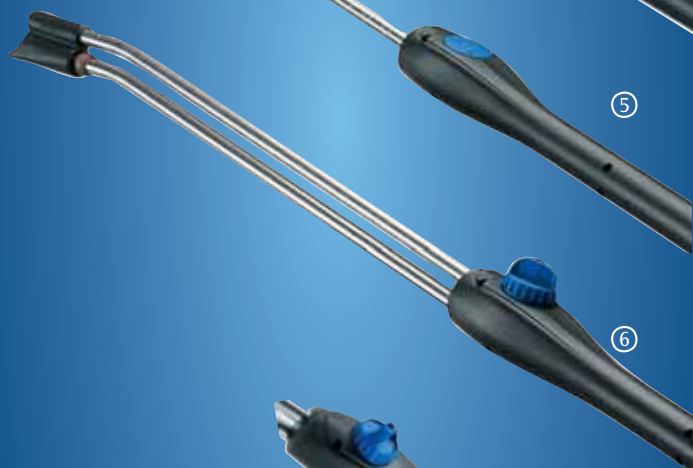
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⑨



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 Vario Press 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

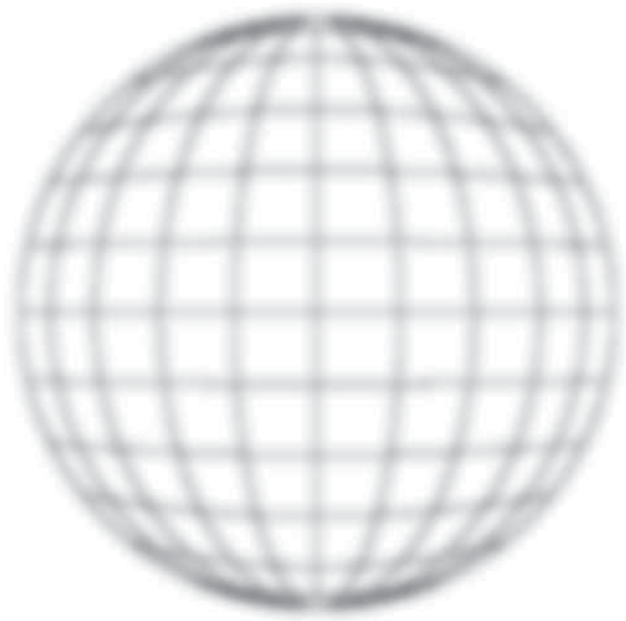
⑨ Ergo 3000 high pressure couplings

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



Professional cold water pressure washers

The performance, the cleanliness, the advantages



- Full power: 100 to 220 bar operating pressure
- High performance: water flow rate of 600 to 2560 l/h
- Robust, reliable long-life
- Absolutely economical regarding purchase and maintenance



Nilfisk-ALTO (division of Nilfisk Advance A/S) is the number one professional cleaning equipment company with a turnover of 630 million € and 3800 employees. We are located in all main European countries, US and Asia with our head-quarters in Denmark and production facilities in Germany, Denmark, Hungary, Singapore, China, Italy and the US.

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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Nilfisk ALTO

Why Compromise