

About Us



www.nilfisk.com | www.densin.com



The company was founded on a vision of producing and selling products of the highest quality worldwide and for more than a hundred years, Nilfisk has adapted to the changing needs of markets and customers with innovative products and solutions.

With a global sales force and proven sales channels, we have established strong and valuable customer relations and partnerships across the world and we strive to be at the forefront of technological advancement to drive future customer needs.

Today, Nilfisk offers an extensive range of premium cleaning products and a trusted aftermarket offering to the professional market.

Our main product lines are floorcare equipment, vacuum cleaners and high pressure washers and a wide range of domestic vacuum cleaners and high pressure washers to consumers worldwide.

The Nilfisk Group is headquartered in Denmark, and we have sales companies in more than 40 countries. Combined with a strong distributor network, Nilfisk markets and sells its products in over 100 countries in total. Our production facilities are located in Asia, Europe and the Americas.



DEN-SIN is a member of the Nilfisk Group and we have been in the professional water jetting business since 1989.

We offer a wide range of products and provide efficient and cost effective cleaning solutions to different industries. Today, DEN-SIN has strong global presence having served thousands of customers around the world.

Headquartered in Singapore, DEN-SIN has dedicated teams of Sales, Technical, Service and Customer Support ready to provide the best service and fastest delivery standard in the industry to all our customers.

At DEN-SIN, we are committed to your operational success.

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Product Catalogue

MARINE & OFFSHORE

| Your Cleaning Solution



PART OF THE NILFISK GROUP



ULTIMATE WATER JETTING SOLUTION

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Our Valued Customers

DEN-SIN High Pressure Water Blasters



FLOOR CARE



Blue Line Series – Electric

Applications:
The BLUE LINE Series are used for the following:

- Daily general cleaning of deck , stairway, and structures, for the removal of stains, dirt and other debris from the surfaces

- Features & Benefits:**
- Low speed motor / pump unit
 - Non corrosive materials in pump, fittings & pipes
 - 3 fully ceramic pistons
 - Long life seals
 - Stainless steel valves
 - Built-in by-pass/safety valve
 - Class F motor with overload relay
 - Inlet/outlet quick couplings
 - Easy access for service and maintenance
 - High durability from low speed motor/pump unit

- Standard Accessories:**
- Trigger gun and double barrel lance with pressure regulator
 - Electrical cable, oil resistant – 10m
 - High pressure hose 3/8” – 10m

**Optional accessories refer to Page 19-23*



Technical Data		C-110E	C-170E	C-200E
Pressure	Bar/psi	110/1600	170/2465	200/2900
Flow	L/min/USgpm	11.7/3.1	15.2/4.0	16.5/4.4
Power Consumption	Kw/Hp	2.2/3.0	4.4/6.0	5.5/7.5
Power Supply	V	110/1ph 60Hz 220/1ph 60Hz	220/3ph 60Hz 440/3ph 60Hz	220/3ph 60Hz 440/3ph 60Hz
Motor Spec	Rpm	1750	1750	1750
Weight	Kg	45	46	56
Dimensions LxWxH	mm	720x480x900	720x480x900	720x480x900
IMPA Code	Number	59 08 52	59 08 54	59 08 56

Blue Line Series – Electric

Applications:
The Blue Line Series are used for the following:

- Daily general cleaning of deck , stairway, and structures, for the removal of stains, dirt and other debris from the surfaces

- Features & Benefits:**
- Low speed motor / pump unit
 - Non corrosive materials in pump, fittings & pipes
 - Long life seals
 - Stainless steel valves
 - Rugged, powdered coated frame
 - Stainless steel top cover
 - Wheels with brakes
 - Built-in chemical injector
 - Built-in chemical tank
 - Built-in auto start-stop with time

- Standard Accessories:**
- Trigger gun and double barrel lance with pressure regulator
 - Electrical cable, oil resistant – 10m
 - High pressure hose 3/8" – 10m
 - Water inlet hose – 10m
 - Chemical water tank – 2L
 - Chemical suction strainer
 - Hose ¼ PVC with netting

**Optional accessories refer to Page 19-23*



Technical Data		C-250E
Pressure	Bar/psi	250/3625
Flow	L/Min / USgpm	15/3.96
Power Consumption	Kw/Hp	7.5/10
Power Supply	V	220/3ph 60Hz 440/3ph 60Hz
Motor Spec	Rpm	1800
Weight	Kg	95
Dimensions LxWxH	mm	930x585x940

Blue Line Series – Pneumatic

Applications:
The BLUE LINE Series are used for the following:

- Daily general cleaning of deck , stairway, and structures, for the removal of stains, dirt and other debris from the surfaces

- Features & Benefits:**
- Low speed motor / pump unit
 - Non corrosive materials in pump, fittings & pipes
 - 3 fully ceramic pistons
 - Long life seals
 - Stainless steel valves
 - Built-in by-pass/safety valve
 - Inlet/outlet quick couplings
 - Spark free air motor
 - Built-in air filter, regulator and lubricator
 - Built-in silencer
 - Easy access for service and maintenance
 - High durability from low speed motor/pump unit

- Standard Accessories:**
- Trigger gun and double barrel lance with pressure regulator
 - High pressure hose 3/8" – 10m
 - Silencer

**Optional accessories refer to Page 19-23*



Technical Data		C-200AIR
Pressure	Bar/psi	200/2900
Flow	L/Min / USgpm	15.0/4.0
Power Consumption	Kw/Hp	6.6/9.0
Air Motor	Rpm	GLOBE/1500
Air Consumption	M³/Hr Cf/min	560 330
Max Air Pressure	Bar/psi	7/100
Weight	Kg	70
Dimensions LxWxH	mm	850x550x900
IMPA Code	Number	59 08 51

Merlion Plus Series – Electric

Applications:

The MERLION PLUS Series offer powerful and cost efficient cleaning for professional users. It is used for the following:

- Removing paint and rust on steel and concrete surfaces
- Removing lime, scale deposits & marine growth
- Deck cleaning & cargo hold cleaning
- Dust free wet sand blasting (Optional accessories)

Features & Benefits:

- Solid galvanized & powder coated frame
- Stainless steel top cover for lasting protection & hose storage
- Durable unloader/safety system for maximum hours of operation
- Easy access to pump for service and maintenance
- 40L heavy duty water tank with water cut-off protection
- Star/delta starter box
- Comes with low water level control, MCB, overload relay and main isolator
- Start-up accumulator (E350 only)
- Inlet filtration system
- Latest pump technology for long running hours
- Triplex pump with ceramic plungers
- Powerful 24HP motor with overload relay, IP55 classification, Class F insulation and continuous running duty

Standard Accessories:

- Trigger gun + shoulder rest with 1m stainless steel lance with straight jet nozzle
- Electrical cable, oil resistant – 15m
- High pressure hose 1/2" – 15m

*Optional accessories refer to Page 19-23



Technical Data		Merlion Plus E-350	Merlion Plus E-500
Pressure	Bar/psi	350/5075	500/7250
Flow	L/min/USgpm	21/5.5	16/4.2
Power Consumption	Kw/Hp	17.9/24	17.9/24
Power Supply	V	440/3ph 60Hz	440/3ph 60Hz
Motor Spec	Rpm	1750	1750
Weight	Kg	220	220
Dimensions LxWxH	mm	1060x490x938	1060x490x938
IMPA Code	Number	59 08 58	59 08 59

Mermaid Series – Electric

Applications:

The MERMAID Series offer more powerful and cost efficient cleaning for professional users. It is used for the following:

- Removing thicker paint and rust on steel and concrete surfaces
- Removing thicker lime, scale deposits & marine growth
- Deck cleaning & cargo hold cleaning
- Dust free wet sand blasting (Optional accessories)

Features & Benefits:

- Solid galvanized & powder coated frame
- Non-corrosive material used in pumps and fittings
- Unique pump design quintuple (5) ceramic plungers ensuring smooth pulsation free flow (Mermaid E-500/30)
- Pump with triplex (3) solidcarbide plungers (Mermaid E-800/20 & E-1100/16)
- Stainless steel pump head
- Built in stainless unloader/safety valve
- Crankcase made of solid cast-iron ensuring stability and vibration dampening (Mermaid E-800/20 & E-1100/16)
- Weather proof star/delta starter box
- Stainless steel valve casing (Mermaid E-800/20 & E-1100/16)
- Built in booster pump with independent electrical connection (Mermaid E-800/20 & E-1100/16)
- Powerful 40HP motor with overload relay, IP55 classification, class F insulation and continuous running duty
- Low water level cut off switch
- 25 micron filtration system (Mermaid E-800/20 & E-1100/16)
- 80L heavy duty water tank with filter and inlet float valve

Standard Accessories:

- Trigger gun + shoulder rest with 1m stainless steel lance with straight jet nozzle (Mermaid E-500/30)
- Dump gun with 1m stainless steel lance with straight jet nozzle (Mermaid E-800/20 & E-1100/16)
- Electrical cable, oil resistant – 15m
- High pressure hose 1/2" – 20m

*Optional accessories refer to Page 19-23



MERMAID E500-I



MERMAID E1100-I

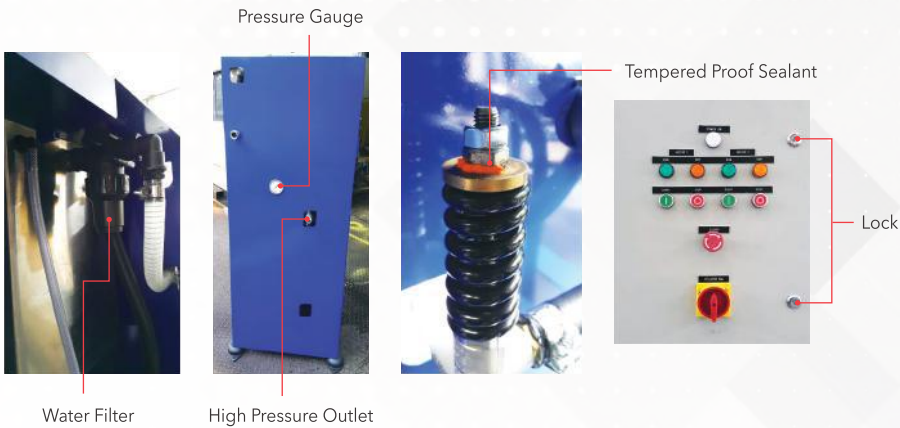
Technical Data		Mermaid E-500/30	Mermaid E-800/20	Mermaid E-1100/16
Pressure	Bar/psi	500/7250	800/11600	1100/16500
Flow	L/min/USgpm	30/7.9	20/5.3	16/4.2
Power Consumption	Kw/Hp	30/40	30/40	30/40
Power Supply	V	440/3ph 60Hz	440/3ph 60Hz	440/3ph 60Hz
Motor Spec	Rpm	1750	1200	1200
Weight	Kg	440	530	570
Dimensions LxWxH	mm	1495x980x1263	1495x980x1263	1495x980x1263
IMPA Code	Number	59 08 71	59 08 72	59 08 74

Duo Booster Series - Electric

Applications:
The DEN-SIN DUO BOOSTER Series are used for the following:

- Daily general cleaning of deck , stairway, and structures, for the removal of stains, dirt and other debris from the surfaces with multiple gun operation

- Features & Benefits:**
- Powder coated steel frame
 - 60L heavy duty water tank
 - Low water level cut off function for pump protection
 - Dual pump configuration design for single 2 two guns operation at the same time
 - Powerful and durable low speed heavy duty motor
 - Easy access of electrical panel
 - Individual control of motor operation from electrical panel
 - Electrical system integrated with MCCB for overloading protection
 - Easy maintenance of main pump
 - Locking canopy design to prevent tempering of motor and pump components



Technical Data		C-200/40ES	C-200/70ES
No. of Pumps	Qty	2	2
Pressure	Bar/psi	200/2900	200/2900
Flow	L/Min / USgpm	40/10.6	70/18.5
Power Consumption	Kw/Hp	2 x 7.5 / 2 x 10.0	2 x 30.0 / 2 x 24.0
Power Supply	V	440/3ph 60Hz	440/3ph 60Hz
Motor Spec	Rpm	1750	1750
Weight	Kg	600	6750
Dimensions LxWxH	mm	880x580x1200	1020x580x1495

Duo Booster Series - Electric

Applications:
The NILFISK DUO BOOSTER Series are used for the following:

- Daily general cleaning of deck , stairway, and structures, for the removal of stains, dirt and other debris from the surfaces with multiple gun operation

- Features & Benefits:**
- NA6 and C3 high-quality motor pumps with brass pump heads
 - 1740rpm; 4 full ceramic pistons and double roller bearings
 - Working Pressure up to 180 bar
 - Water flow rate up to 2x 40l/min
 - 70°- 85°C hot water inlet for max. cleaning efficiency
 - Innovative hard foam cabinet
 - Built on powder-coated steel frame
 - Foam cabinet also reduces the noise level
 - Intelligent start-stop function for motor pumps, reducing wear and tear on pump elements
 - Include low pump oil warning lamps, service warning lamps,
 - Hour counter, low pump oil safety
 - Remote control (Optional features)



Technical Data		SC Duo 7P-180/2400-2
No. of Pumps	Qty	2
Pressure	Bar/psi	180/2610
Flow	L/Min / USgpm	40/10.6
Power Consumption	Kw	16.4
Power Supply	V	440/3ph 60Hz
Motor Spec	Rpm	1740
Weight	Kg	160
Dimensions LxWxH	mm	355x860x1000

Delta Booster Series - Electric

Applications:
The Nilfisk Delta Booster Series are used for the following:

- Daily general cleaning of deck , stairway, and structures, for the removal of stains, dirt and other debris from the surfaces with multiple gun operation

- Features & Benefits:**
- Compact design with stainless steel frame and cabinet
 - Easy to transport and prepare for use
 - Fully automatic with one main ON-OFF and all other controls easily understand and used at cleaning site by users
 - On-board pump management system with touch screen controls start/stop according to demand
 - Diagnostic system gives service alerts to minimize down time
 - Optimal service access from front and top of the machine
 - Possibility to remove motor pump unit for service whilst the others continue to function = Reduce/eliminate down time
 - NA6 high flow 4-piston motor pumps with long life time
 - 4 or 6 pumps for up to 12 users at the same time
 - Line pressures up to 160 bar
 - Water flow rate up to 100l/min (SC Delta 6P 160/6000-4)
 - Water flow rate up to 150l/min (SC Delta 6P 160/9000-6)



Convenient: Advanced pump management system with start/stop control

Easy service and maintenance: Time-saving access to motor pumps and other vital parts from top or front of the machine

Technical Data		SC Delta 6P 160/6000-4	SC Delta 6P 160/9000-6
No. of Pumps	Qty	4	6
Pressure	Bar/psi	160/2320	160/2320
Flow	L/Min / USgpm	100/26.4	150/39.6
Power Consumption	Kw	35	53
Power Supply	V	440/3ph 60Hz	440/3ph 60Hz
Motor Spec	Rpm	1750	1750
Weight	Kg	480	526
Dimensions LxWxH	mm	970x1050x1800	970x1050x1800

CAR275

Applications:
The VIPER CAR275 is a professional carpet extractor that is easy to use, robust and has optimal suction power.

- Features & Benefits:**
- Easy to use and service
 - Optimal suction power
 - Robust chassis
 - Drain hose
 - Large rear wheels and rotating front wheels
 - Cable storage
 - Rotationally molded chassis integrated solution tank
- Standard Accessories:**
- Hose + connector PA + Hose Dia.8mm ETC Kit
 - 55L Absorbing Dust Filter
 - Wand assembly kit
 - Tool upper/lower cover pc + screw ST kit



Technical Specifications	CAR275
Solution/recovery tank (L)	28/75
Power Supply	220-240V / 50-60Hz
Rated power (Watts)	2100
Air Flow (L/min)	10
Vacuum (MMH20)	2250
Pump (w/psi)	150/60
Weight (without accessories) (Kg)	33
Dimensions LxWxH (mm)	700x560x1010

VP300

Applications:

The VP300 is a reliable everyday vacuum cleaner, it is built in an ergonomic and light-weight design to fit in your exact cleaning application.

Features & Benefits:

- Best-in-class filling capacity which means less time spent changing dust bags
- Weighs just from 5Kg making it easy to move from place to place
- Secure and easy to reach accessory and power cord storage

Standard Accessories:

- Hose CPL D32
- Brush Nozzle D32
- Crevice Nozzle D32 L153 Black
- Combi Nozzle RD 295 D32
- HEPA Filter
- Sack Filter
- Detach Cord Set 10M Orange Color
- Brush Nozzle D32



VP300 can be carried safely and comfortably in one hand



Dual speed for tailored use in a wider variety of applications



Detachable orange cord on selected variants



High filtration level with HEPA exhaust filter



Discreet storage for nozzles allow all the tools you need to be within easy reach at all times

Technical Data	VP300
Power Supply	220-240V / 50-60Hz
IP protection class	IP20
Rated power (Watts)	900
Suction power end of tube (W)	200
Air Flow (L/sec)	32
Vacuum at nozzle (kPa)	23
Dust bag capacity (L)	10
Weight (Kg)	5.3
Dimensions LxWxH (mm)	395x340x390

LSU Series

Applications:

The VIPER LSU Series are the wet and dry professional vacuum cleaner range, it is easy to use, robust and have optimal suction power.

Features & Benefits:

- Easy to use and service
- Optimal suction power
- Robust chassis
- Drain hose
- Large rear wheels and rotating front wheels
- Cable storage & accessory storage
- For wet or dry vacuum application

Standard Accessories:

- Hose
- Crevice Tool
- Round Dusting Brush
- Wet Pick-Up Tool
- Dry Pick-Up Tool
- Orange Electrical Cable



LSU 135



LSU 255



LSU 375

Technical Specifications	LSU 135	LSU 255	LSU 375
Power Supply	220-240V 50-60Hz	220-240V 50-60Hz	220-240V 50-60Hz
Rated power (Watts)	1000	2000	3000
Vacuum Motor (Type)	2-Stage	2-Stage	2-Stage
Vacuum (mmH2O)	2020	2250	2280
Air Flow (L/min)	1869	3115	3540
Tank Capacity (L)	35	55	75
Weight (Kg)	13	24.5	28
Dimensions LxWxH (mm)	470x450x800	630x590x950	630x590x990

VHC Series

Applications:
The Nilfisk compressed air industrial vacuums have been designed to operate whenever electricity is unavailable or forbidden by for example the ATEX directives.

- Features & Benefits:**
- Stainless steel body
 - ATEX Version
 - Continuous usage (24/7)

- Standard Accessories:**
- 3m flex conductive hose with conductive sleeves
 - Stainless steel handgrip
 - Stainless steel wheeled floor nozzle for dust and liquids (Width 400mm)
 - Stainless steel curved fitting
 - Conductive cone
 - Stainless steel flat-tip crevice nozzle



VHC110



VHC120



VHC200



Suction unit



Absolute filter



Venturi system



Manual filter shaker



Container release system



Accessories for different applications

Technical Specifications	VHC 110	VHC 120	VHC 200
Air Consumption (NL/min)	630	1260	2650
Required Pressure (bar)	6	4/7	6
Vacuum (kPa)	32.5	32.5	38
Air Flow (L/min)	1980	3360	5600
Container Volume (L)	37	37	50-100
Weight (Kg)	37	37	67-70
Dimensions LxWxH (mm)	570x560x1010	570x560x1010	910x600x1300-1590

LS160 HD

Applications:
The VIPER LS 160HD is a low speed single disc machine designed for medium-duty and heavy-duty applications. Through professional design, we can offer the machine with attractive quality/price level. Operation is simple and easy to use controls.

- Features & Benefits:**
- Simple and user-friendly: The machine is automatically locked off when the handle is in 90 degree vertical position
 - Soft start system and automatic brush installation
 - High quality: The aluminum base and triple planetary gear box are engineered for low noise from motor and gears

- Standard Accessories:**
- Brush
 - Pad driver
 - Water tank



Technical Specifications	LS 160 HD
Voltage (V)	220-240
Frequency (Hz)	50
Power Consumption (W)	1800
IP Protection Class	IPX4
Cleaning Width / Brush or Pad Diameter (mm)	432
Brush or Pad Speed (rpm)	160
Net Weight (Kg)	38.2
Length x Width x Height (mm)	620x370x1150

ECOIL Series

Applications:
The ECOIL Series not only performs maintenance of the machine tools but also means great economic savings. Faster cleaning of the CNC machines, reuse of the emulsions or coolants avoiding any waste. The functioning is easy: the solid chips are collected into a basket while liquids are collected into the main container and then re-introduced into the machine tool thanks to the dedicated gun.

- Features & Benefits:**
- Re-use if emulsions
 - Reducing machine downtime
 - Prolongs the lifetime of the machine tools

- Standard Accessories:**
- Zinc-plated reduction
 - 3m rubber hose with sleeves
 - Zinc-plated junction fitting
 - Rubber cone
 - Chromed handgrip
 - Wheeled floor nozzle for dust and liquids (width 400mm)



Technical Specifications	ECO-OIL 13	ECO-OIL 22
Pump	0.37-80	0.37
Voltage (V)	230	400
Frequency (Hz)	50-60	50
IP protection class	43	55
Rated Power	1300	2200
Airflow (l/min)	2700	5100
Vacuum (mbar)	320	330
Oil Container Capacity (l)	180	180
Swarf Container Capacity (l)	30	30
Length x Width x Height (mm)	620x370x1150	1050x670x1500
Weight (kg)	120	135

Rotating Nozzles and Repair Kits

COMPONENT DESCRIPTION	MACHINE	PHOTOS
Rotating Nozzle for <= 250 Bar	<ul style="list-style-type: none">• Blue Line C-110E• Blue Line C-170E• Blue Line C-200E• Blue Line C-200AIR• Blue Line C-250E	
Repair Kit for Rotating Nozzle for <= 250 Bar	<ul style="list-style-type: none">• Blue Line C-110E• Blue Line C-170E• Blue Line C-200E• Blue Line C-200AIR• Blue Line C-250E	 O-Ring Repair Kit Seat
Rotating Nozzle for 350 Bar	<ul style="list-style-type: none">• Merlion Plus E350	
Repair Kit for Rotating Nozzle for 350 Bar	<ul style="list-style-type: none">• Merlion Plus E350	 Repair Kit Seat
Rotating Nozzle for 500 Bar	<ul style="list-style-type: none">• Merlion Plus E500• Mermaid E500/30	 Jager 500bar
Repair Kit for Rotating Nozzle for 500 Bar	<ul style="list-style-type: none">• Merlion Plus E500• Mermaid E500/30	

Barracuda Rotating Nozzles and Repair Kits

COMPONENT DESCRIPTION	MACHINE	PHOTOS
Barracuda Rotating Nozzle for 800 Bar	<ul style="list-style-type: none">Mermaid E800/20	 <p>2x Nozzles</p>
Service Kit for Barracuda Rotating Nozzle for 800 Bar	<ul style="list-style-type: none">Mermaid E800/20	
Overhaul Kit for Barracuda Rotating Nozzle for 800 Bar	<ul style="list-style-type: none">Mermaid E800/20	
Barracuda Rotating Nozzle for 1100 Bar	<ul style="list-style-type: none">Mermaid E1100/16	 <p>4x Nozzles</p>
Service Kit for Barracuda Rotating Nozzle for 1100 Bar	<ul style="list-style-type: none">Mermaid E1100/16	
Overhaul Kit for Barracuda Rotating Nozzle for 1100 Bar	<ul style="list-style-type: none">Mermaid E1100/16	

Wet Sandblasting Kit

Key Information:
Grit Container: 120 Litres
Media: Copper Slag Grade 1430 or Equivalent
Nominal Size: 0.5-1.18mm

- Can be use on the following machine:**
- Blue Line C-200E
 - Blue Line C-250E
 - Merlion Plus E350
 - Merlion Plus E500
 - Mermaid E500/30
 - Mermaid E800/20



- 1 Sandblasting House Complete (Comes with Wet Sandblasting Kit)
- 2 Lance (Comes with machine)
- 3 High Pressure Hose (Comes with machine)
- 4 Sand Suction Hose (Comes with Wet Sandblasting Kit)
- 5 Hose Clamps x 2 (Comes with Wet Sandblasting Kit)
- 6 Regulator Handle (Comes with Wet Sandblasting Kit)
- 7 Grit Container (Comes with Wet Sandblasting Kit)

500 Bar Safety Gears (PPE)



Apron



Overall



Safety Helmet with Ear Muff and Face Shield



Gloves



Boots



Hose Protection

1100 Bar Safety Gears (PPE)



Apron



Gamma Kit



Safety Helmet with Ear Muff and Face Shield



Boots



Gaiters



Hose Protection