Cleaning

Spray Cleaning

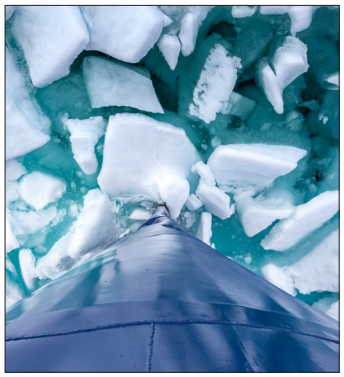
CHRIS-MARINE®

SWM

SWM offers a smart solution for cleaning of small and medium sized engine components. The spray washing machine provides excellent cleaning results thanks to a smart design used together with heat, high spray pressures and liquid flow rates achieved by the built in pump. Thorough cleaning is of high importance as it increases the lifetime and efficiency of critical engine components.









Application area

- For cleaning of small and medium sized engine components on all engines

Key benefits

- Using SWM increases the lifetime of critical engine parts
- Pre-cleaning of workshop engine parts
- Two versions available
- Rotating spray system
- Cleaning of parts with max dimensions of 1.4 and 2.0 meters in diameter
- Stainless steel construction
- Insulated tank and washing chamber
- Oil skimmer included
- Optional:
  - Automatic refill and dosage equipment
  - Safety switch for charging door
  - Spare parts kit
  - Cleaning chemicals

Cleaning system details

The Chris-Marine SMW washing machine is a front loaded single stage aqua spray washer for cleaning of small and medium sized engine components such as pistons, piston rings, valve spindles, fuel injectors, cylinder heads, intercoolers and heat exchangers.

The spray washing machine provides excellent cleaning results thanks to a smart design used together with heat, high spray pressures and liquid flow rates achieved by the built-in pump. The spray system rotates around a fixed load giving a perfect cleaning result together with a very easy loading- and unloading system.



Ultrasonic Cleaning Chemicals

Ultrasonic Cleaning Chemicals

Ultra Rinse Engine

A high alkaline detergent for the most challenging cleaning tasks. Ideal for cleaning steel, stainless steel and cast iron components that are highly exposed to heavy fuel oil or where removal of fuel, coke, soot or paint is needed.

Ultra Rinse Intercooler

A high alkaline product that is suitable for all types of metals including aluminum, titanium, brass and copper, thus enabling efficient cleaning of intercoolers and turbo parts.

Ultra Rinse Descale

An acidic liquid concentrate based on highly efficient surfactants and inhibitors. Used for the removal of lime scale as well as iron-, carbon- and oil carbon deposits from engine parts.

Technical specifications

	SWM B	SWM C
• Machine weight	1200 kg	1400 kg
• Machine dimensions (D x W x H) without loading platform	1800 x 2090 x 3000 mm 1800 x 2090 x 3300 mm if 200 mm extra washing height	2400 x 2690 x 3050 mm standard 2400 x 2690 x 3350 mm if 200 mm extra washing height
• Loading platform (D x W x H)	1665 x 1930 x 811 mm, 38 kg	2185 x 2530 x 790 mm, 47 kg
• Max load weight	1500 kg	1500 kg
• Washing carriage diameter	1400 mm	2000 mm
• Free washing height	800 mm standard 1000 mm if 200 mm extra washing height	800 mm standard 1000 mm if 200 mm extra washing height
• Washing volume	1700 l	2600 l
• Tank volume	1200 l	2000 l
• Max. washing temperature	80 °C	80 °C
• Operating voltage	3 x 400 V, 50 Hz with neutral	3 x 400 V, 50 Hz with neutral
• Total electrical power	31 kW (40 A main fuse)	45 kW (63 A main fuse)
• Air supply for charging door	min. 6 bar	min. 6 bar
• Water supply for automatic refill and dosage equipment	0.5 – 6 bar 10 l/h (dosage equipment)	0.5 – 6 bar 10 l/h (dosage equipment)
• Adjustable spray nozzles	30 pc	36 pc
• Pump working pressure	4 bar	4.4 bar
• Noise level	72 dBA	72 dBA

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