



ISO 9001
ISO 14001
BUREAU VERITAS
Certification



Ultrasonic washing machines

POLARIS

IBERKLEEN

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Ultrasound technology continues to be one of the **most thorough and deep cleaning methods**, achieving unique results.

The **POLARIS** range of ultrasonic equipment is the perfect complement to any cleaning process.

Its immersion and lifting platform reduces operator effort when loading parts, and **its agile agitation** helps **cleaning to penetrate complex holes**.

Designed in a compact format, they integrate all the required features in the smallest possible space.

From its touch screen, you can manage

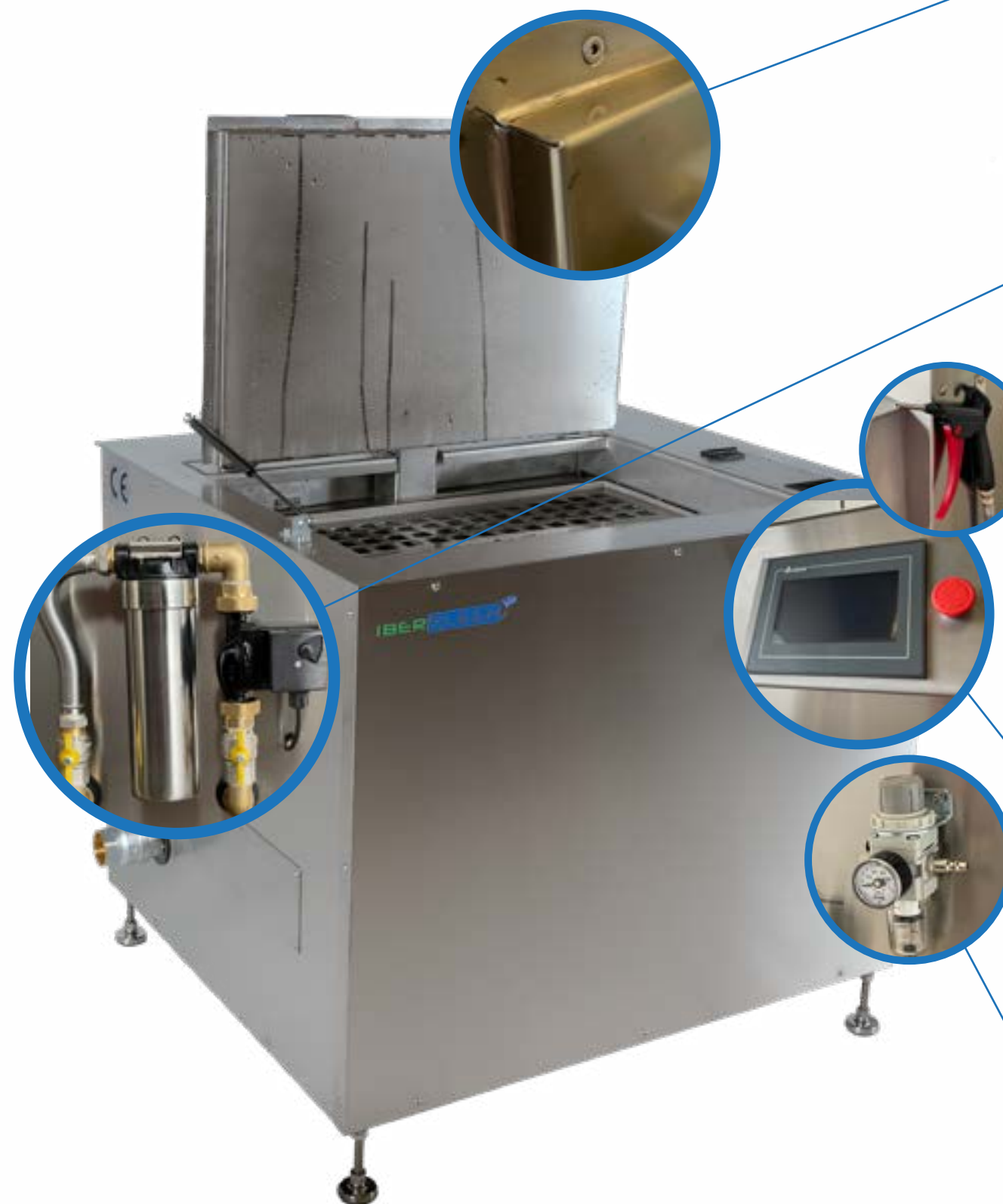
- ◆ Pre-programmed warm-up.
- ◆ Timed cycle programming.
- ◆ Full control of the lifting platform.

Key features of the **POLARIS** range

- ◆ Domestic generators manufactured in-house.
- ◆ Inert polymer filtering system.
- ◆ Oil decanting with integrated auxiliary tank.
- ◆ Height-adjustable anti-vibration supports.
- ◆ Double heat-insulated anti-caloric cover.
- ◆ Reinforced lifting platform.
- ◆ Platform speed/force adjustment.
- ◆ Surface sweeping to remove suspended particles.

OPTIONALS:

- ◆ Automatic filling.
- ◆ Automatic emptying with pump.
- ◆ Programmable chemical dispenser.
- ◆ Wheels for transport and variable positioning.
- ◆ 100% configurable features and measurements.



INSULATED LID

The cover, insulated with 20 mm K-flex Neoprene, prevents heat loss, optimising the electrical consumption of the heating system. It also prevents possible burns from contact, protecting operators.

FILTER WITH RECIRCULATION PUMP

10 to 20" filter with washable 5-micron polyester cartridges. The low-pressure pump recirculates the liquid, homogenising the mixture while retaining all impurities in the cartridge, extending the life of the bath.

BLOW GUN

The blow gun uses compressed air supplied by the equipment to dry the parts before removing them from the platform.

TOUCHSCREEN CONTROL PANEL

The touch control allows you to intuitively manage all the features and functions of the equipment. Raise and lower the platform, programme it to switch on at another time, or programme any action in continuous or timed mode.

AIR FILTER

Compressed air inlet, with water trap, control pressure gauge and pressure regulator. Recommended air pressure: 7 bar.

ULTRASONIC GENERATOR



The **ultrasound generators**, which are manufactured in-house and exclusively, are the heart of each device, delivering real power and **efficiency that is unique in the market.**

Equipped with parameter regulation such as Sweep System, waveforms, power limiters, frequency calibration, digital frequency regulation, etc.

Ultra-compact design, logical ventilation.

Standard frequencies of 28 kHz and 40 kHz.
Other frequencies available.

INSULATED LID



AUXILIARY TANK
DECANTING



SURFACE SWEEP



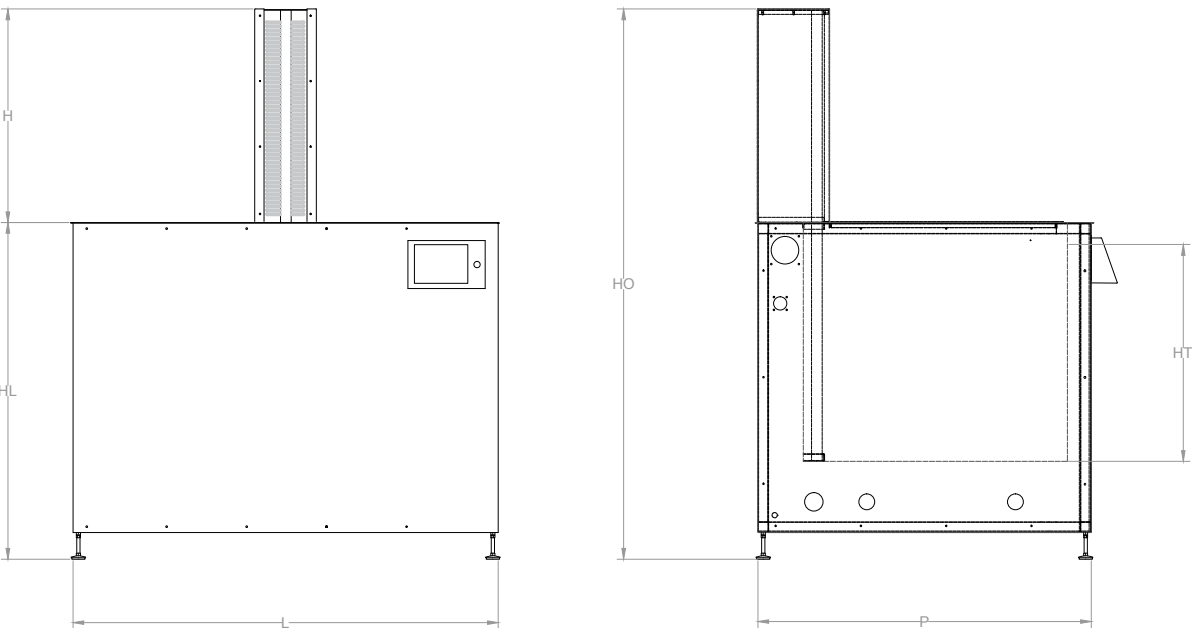
FILTERING WITH
RECIRCULATION PUMP



PNEUMATIC PLATFORM



AGITATION REGULATOR



TECHNICAL DATA	POLARIS 160	POLARIS 310	POLARIS 420	POLARIS 600	POLARIS 940	POLARIS 1500	POLARIS 4000
Tank capacity	160 litres	310 litres	420 litres	600 litres	940 litres	1500 litres	4000 litres
Ultrasound power	1,5 Kw	3 Kw	4,5 Kw	6 Kw	7,5 Kw	12 Kw	24 Kw
Heating power	4,5 Kw	6 Kw	7,5 Kw	9 Kw	12 Kw	15 Kw	18 Kw
Internal measures	700x550x350	950x700x550	1100x750x600	1250x800x700	1500x900x800	1700x1100x1000	2550x1500x1200
Useful measures	680x440x350	930x560x390	1080x610x440	1230x660x540	1480x760x640	1680x960x840	2530x1360x1040
Load capacity	100 Kg	220 Kg	320 Kg	450 Kg	700 Kg	1000 Kg	1500 Kg
External dimensions (mm)	1.100x930x920	1.350x1.080x950	1.530x1.130x1.000	1.680x1.180x1.100	1.930x1.320x1.200	2.130x1.520x1.400	2.980x1.950x1.600
L	1.100 mm	1.350 mm	1.530 mm	1.680 mm	1.930 mm	2.130 mm	2.980 mm
P	930 mm	1.080 mm	1.130 mm	1.180 mm	1.320 mm	1.520 mm	1.950 mm
HL	920 mm	950 mm	1.000 mm	1.100 mm	1.200 mm	1.400 mm	1.600 mm
Material	2.5 mm AISI 304 and 316L			2.5 mm AISI 304 and 316L			



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