

HIGH-POWER ULTRASONIC CLEANING **OIL AND GAS INDUSTRY**



50 YEARS OF EXPERIENCE IN THE OIL AND GAS INDUSTRY

28 KHZ HIGH-POWER ULTRASONIC CLEANING

UltraTecnó is the world leader in the design and manufacture of **ultrasonic cleaning equipment**, developing efficient systems and obtaining excellent results in heavy-duty applications such as **degreasing** and **descaling**.

UltraTecnó has created a solid **team of experts highly-equipped**, to develop maintenance and cleaning engineering systems by ultrasound for oil and gas industry.

Offering best post-sales **technical service and advice**, guaranteeing maximum customer satisfaction.



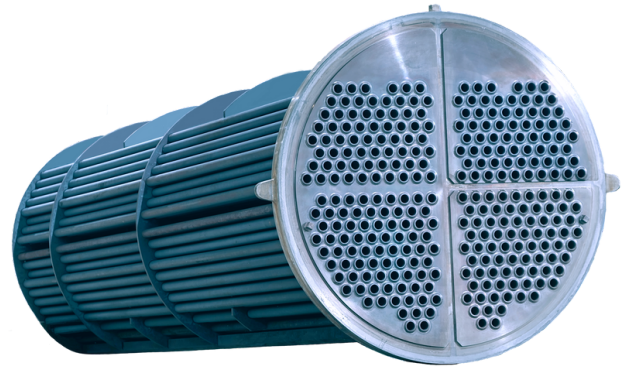
ULTRASONIC CLEANING: THE BEST OPTION FOR THE MAINTENANCE OF THE OIL AND GAS INDUSTRY

Ultrasonic cleaning equipment works at a **frequency of 28 kHz**, being the key cleaning factor. The transducers from our machines emit a high level of energy that is released on the surface of the piece, eliminating dirt.

28 kHz frequency is required to optimise ultrasonic cleaning process. Power generated inside ultrasonic bath **eliminates important incrustations**, which are characteristics in **oil and gas industry**.

Energy generated at a frequency of 28 kHz capable to eliminate **heavy-duty dirt**, optimising factor ultrasonic cleaning process such as water, detergent and energy. As a consequence it eliminates dirt such as **rust remains, sludge, heavy oils, scale, grease, soot, dust, tar, asphalt, and other refining contaminants**.

Results of ultrasonic cleaning will be obtaining a **brand-new component, with same efficiency** as first day of use - **without damaging the piece**.



COMPONENTS TO CLEAN

Heat exchangers
Filters
Plates
Pipe sections
Valves
Solenoid valves
Shells and tubes



**Smart
Interface**



**Durable
Construction**



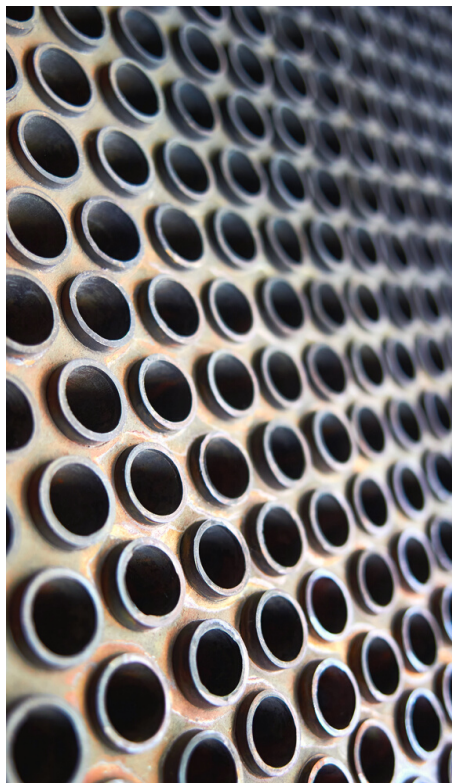
**28kHz
Synchronized**



**Best cost effective
Cleaner**



**Green
Label**


Microscopic cleaning quality

Best surface cleaning quality.,

Homogeneous results

Even for components with complex geometries.

Savings in labor cost, water and energy

Ultrasonic cleaning optimizes all resources necessary for maintenance of oil and gas industry.

Cost efficiency

80% more efficient than traditional systems

Health and safety

Safer system for staff and working environment.
It avoids direct contact with dangerous chemicals

Detergents and chemicals

Consumption reduction up to 6 times.

BY FOLLOWING OUR RECOMMENDATIONS CHOOSE CORRECT MODEL
GENERAL MAINTENANCE


N- Series & E- Series

HEAT EXCHANGER MAINTENANCE

Max. diameter

<= 1.9 meters



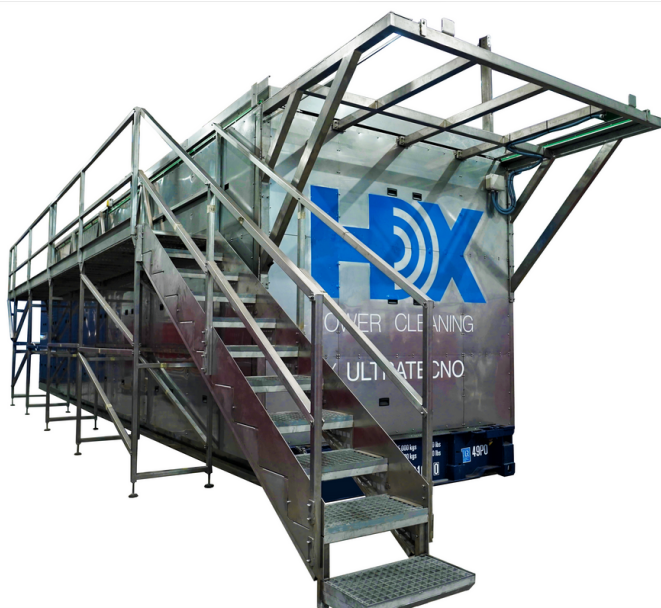
HX

<= 2.5 meters



HX- WIDE

ULTRASONIC CLEANING EQUIPMENT: MOST POWERFUL FOR OIL AND GAS INDUSTRY



- 28 KHZ POWERFUL ULTRASOUND TECHNOLOGY
- DIGITAL AND SYNCHRONIZED TECHNOLOGY
- ULTRASONIC EMITTERS SETS ON LATERAL WALLS
- FULL STAINLESS STEEL CONSTRUCTION
- MULTI-LANGUAGE COLOR HMI TOUCH-SCREEN
- OIL SEPARATION SYSTEM LFS®
- INSULATED TOP LID
- DOUBLE IFM LEVEL WATER SENSOR
- HYDRAULIC OR PNEUMATIC PLATFORM LIFT

ADD OPTIONAL DEVICES

- AUTOMATIC EVAPORATED WATER REFILLING SYSTEM
- PERIMETER STEAM EXTRACTION SYSTEM
- CUSTOM-MADE BASKETS
- DOSING SYSTEM FOR LIQUID DETERGENT
- AUTOMATIC TOP LID
- DELTA ETHERNET MODULE
- HYBRID HEATING SYSTEM
- OTHER TAILOR-MADE SOLUTIONS

MONITORING CLEANING PARAMETERS

- HEATING AND ULTRASOUND PROGRAMMABLE TIMER
- FULL PROCESS PARAMETERS CUSTOMIZATION
- MANUAL AND AUTOMATIC PRESET CYCLES
- ELECTRICAL CONSUMPTION MONITOR
- PREVENTIVE MAINTENANCE SCHEDULE
- BATH DETERGENT CALCULATOR

Equipment for General Maintenance

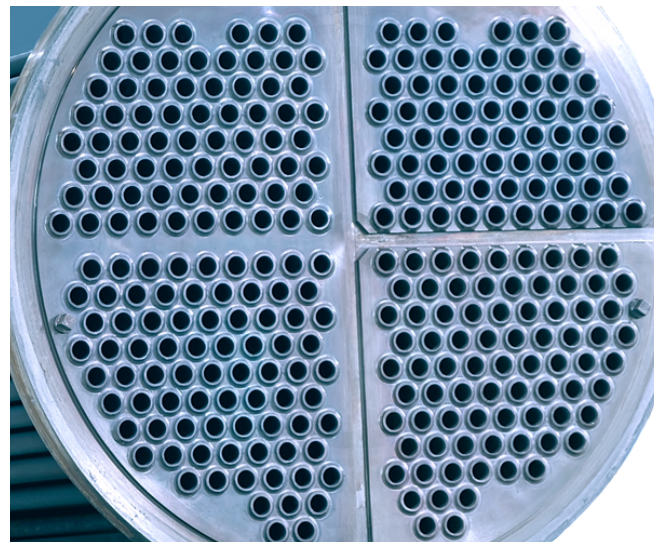
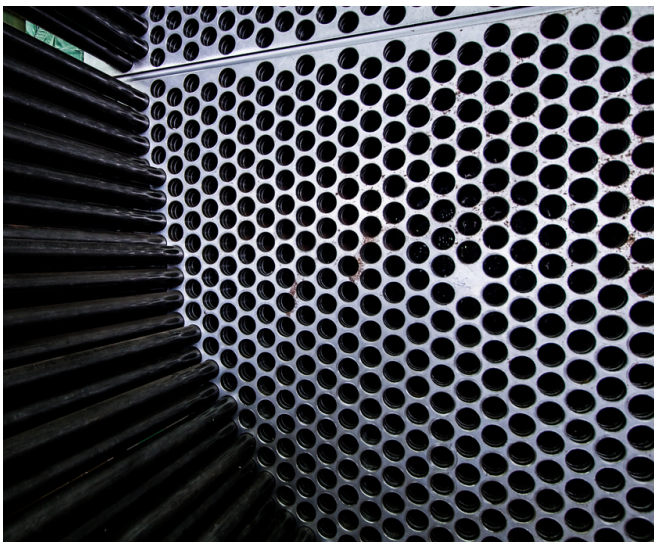
MODEL	MAIN TANK	ULTRASONIC POWER	HEATING POWER	INSULATED LID	INTERNAL DIMENSIONS MAIN TANK (MM)	PLATFORM LIFT * (MM)	MAX. LIFT LOAD
ACM-350N	405 LT	3 KW	11 KW	MANUAL	1000 X 650 X 623	952 X 495	250 KG
ACM-500N	587 LT	4 KW	11 KW	MANUAL	1200 X 670 X 730	1152 X 520	350 KG
ACM-750N	840 LT	5 KW	11 KW	MANUAL	1400 X 800 X 750	1335 X 630	500 KG
ACM-1000N	1224 LT	7 KW	15 KW	AUTO	1600 X 900 X 850	1552 X 726	800 KG
ACM-2000N	2178 LT	9 KW	22 KW	AUTO	1800 X 1100 X 1100	1666 X 913	1000 KG
ACM-3000NW	3279 LT	10 KW	30 KW	AUTO	1700 X 1590 X 1213	1565 X 1339	1000 KG
ACM-3000N	3276 LT	12 KW	30 KW	AUTO	2100 X 1300 X 1200	1966 X 1110	1000 KG
ACM-4500N	5190 LT	15 KW	36 KW	AUTO	2400 X 1590 X 1360	2217 X 1251	1800 KG
ACM-5500N	6010 LT	18 KW	45 KW	AUTO	2700 X 1590 X 1400	2600 X 1400	1800 KG
ICM-8000N	9184 LT	27 KW	60 KW	AUTO	3200 X 2050 X 1400	N/A	N/A
ICM-12000N	13258 LT	36 KW	75 KW	AUTO	4600 X 1950 X 1460	N/A	N/A

*IT IS POSSIBLE MANUFACTURING ACM-N MODELS WITHOUT ELEVATOR (ICM). YOU CAN REQUEST THE DETAILED TECHNICAL SHEETS FOR EACH MODEL

Equipment for Heat Exchangers

MODEL	MAIN TANK	ULTRASONIC POWER	HEATING POWER.	TRANSPORTABLE UNIT	INTERNAL DIMENSIONS MAIN TANK (M)	HEATING TIME TO 60 C°	OUTDOOR
HX-18000	18.354 LT	96 KW	135 KW	YES	4.2 X 1.9 X 2.3	13H	YES
HX-24000	24.909 LT	128 KW	180 KW	YES	5.7 X 1.9 X 2.3	15H	YES
HX-31000	31.027 LT	160 KW	225 KW	YES	7.1 X 1.9 X 2.3	15H	YES
HX-37000	37.145 LT	192 KW	270 KW	YES	8.5 X 1.9 X 2.3	15H	YES
HX-43000	43.700 LT	224 KW	315 KW	YES	10 X 1.9 X 2.3	15H	YES
HX-24000W	24.150 LT	128 KW	162 KW	YES	4.2 X 2.5 X 2.3	15H	YES
HX-33000W	32.775 LT	160 KW	189 KW	YES	5.7 X 2.5 X 2.3	13H	YES
HX-41000W	40.825 LT	208 KW	270 KW	YES	7.1 X 2.5 X 2.3	15H	YES
HX-49000W	48.875 LT	240 KW	324 KW	YES	8.5 X 2.5 X 2.3	15H	YES
HX-57000W	57.500 LT	272 KW	378 KW	YES	10 X 2.5 X 2.3	15H	YES

OIL AND GAS CLEANING EXAMPLES



CLEANING PRODUCTS

UltraTecno provides **specific developed and tested chemicals**. Carried out over many years in all our market niches.

Offering wide range of **high-quality cleaning products**, distributed under our own brand.

Detergents are specifically formulated for ultrasound cleaning processes, considering use for different types of material such as, cast iron, steel, aluminium, brass, and copper.



ULTRATECNO PROVIDES SUITABLE CHEMICAL AGENT THAT BEST ADAPTS TO YOUR NEEDS.

SOME OF OUR CLIENTS



Innovation, Quality, Efficiency and Commitment

