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very high precision cleaning

very low consumption









the challenge

ILSA iH Series: the solution that did not exist!

The new series of **ILSA** products, born from a charming technical challenge: the use in closed circuit of the last solvent generation at very low evaporation point.

These products are used in the precision cleaning thanks to the low surface tension value which allows, as well known, to penetrate at the best into more complex geometries for high cleaning results, characteristic we must add the low exercise temperature and the wide range of compatibility with many materials, metal and plastic as well.

The formulations available today, beyond the fact to be non-flammable, offer important advantages as environment point of view.

Until now, this type of solvents was normally used in open plants or semi-hermetic, **ILSA iH Series** fills a gap in the global proposal of metal cleaning by creating for the first time the possibility of exploiting the performances of these products in a hermetic plant in closed circuit.

This design philosophy, from always the backbone of the **ILSA** production, allows to contain at maximum the consumption of product for the benefit of management costs.

the functionality

A change of perspective in the use of fluids

The challenge has been faced by using constructive logics and functionality directed to maximize the performances of these solvents and at the same time contain them inside the plant. According to the **ILSA** philosophy, the cleaning liquid is never placed, even indirectly, in contact with the external environment.

ILSA iH Series revolutionizes the logic of using these fluids,

in traditional machines in fact they are the pieces to be dipped in tanks containg the solvent, the functional concept of **iH Series** provides, instead, the trasnfer of the liquid in closed circuit from the tanks to a real treatment chamber.

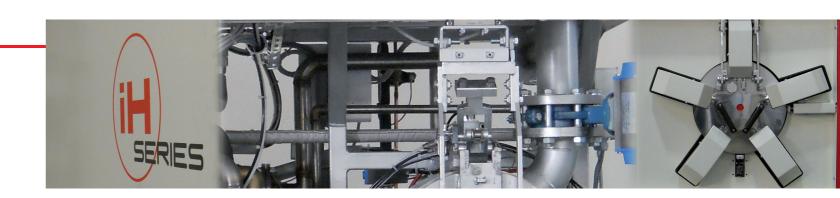
This system allows to apply the most effective dynamic actions of cleaning on the parts and the liquid to carry with it the dirt removed from the pieces.

After that, instead of accumulating contamination in bath, **iH Series** allows you to keep the solvent always purified using the continuous distillation integrated as standard.

Multiple stages of immersion, cleaning with ultrasound, filtration and vapor degreasing, can be carried out without the need to multiply the baths of treatment thus limiting sizes and costs, even operative, of the plant.

Thanks to the physical characteristics of the products used, drying is performed efficiently by hot air circulation, operation always carried out in closed circuit combined to a specific low-temperature condensation section that allows solvent recovery directly in the plant.

The system thus makes it possible to minimize the emissions into atmosphere, at levels unthinkable with other systems.



the simplicity

High performance, easy to use

The development of iH Series machines has kept as main aspect easy of installation and use.

The system is completely free from external connections to steam or water.

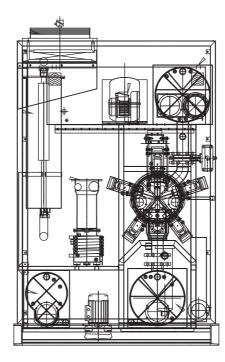
The cooling unit is in facts served by an integrated air heat exchanger.

The heating of the tanks and drying air is obtained by means of integrated electric boiler.

The minimum energy required by the solvents used and these technological solutions minimize the energy consumption of the system.

The control is provided by a **PLC touch screen**, that in addition to a library of programs highly customizable, integrates all controls and automatic cycles of maintenance allowing easy and immediate use.

The connection with the filling containers is easy and safe to avoid dispersion in the environment.



	type		IH IO	IH 20	IH 50
lata	Loading capacity Weigh	kg	20	50	150
nical d	Basket size Width Depth Height Basket per charge	mm mm mm nr	220 370 200 1	320 480 200 1	450 610 300 1
CO	Productivity	cycles/ h	6 ÷ 10	6 ÷ 10	6 ÷ 10
ge - le	Volumes Treatmet chamber Tank 1 Tank 2 Distillator	It It It It	40 80 40 40	100 200 100 100	260 500 250 250
Z T T Y	Machine dimensions Width Depth Height	mm mm mm	1550 1600 2300	2000 1800 2400	2500 2000 2600