

Fast. Smart. Clean.



Union HXL&HXP 8000 Series

NOW THERE IS ONE SYSTEM
FOR ALL ALTERNATIVES!



The Ideal Drycleaning System.



We know what it takes to be first.



Since inception in 1976, **UNION** has established a benchmark by which all other drycleaning systems are measured. We lead the field in high-quality design and construction, incorporating continual advances in technology made possible by the industry's most creative and progressive technical team.

The vast **UNION** manufacturing and assembly complex houses state-of-the-art research and development, **CAD/CAM** based design facilities, and high-tech quality inspection.

Over 80% of machine components are manufactured in-house to assure the highest level of quality control in every component.

Today, **UNION** drycleaning systems can be found in over 120 countries marketed and serviced by more than 300 **UNION**-authorized dealers.

To keep this worldwide distributor and technical agencies abreast of the latest advances in product technology, **UNION** sponsors periodic seminars and technical training courses for both service personnel and drycleaners alike..

At **UNION**, we know what it takes to be first...and how to help your business also be first at the finish line in drycleaning quality & profits!

We know what it takes to be first.

HISTORY

QUALITY

TECHNOLOGY

RESEARCH

INNOVATION

SAFETY

The HXL&HXP 8000 Series.



The Ideal Drycleaning System For Alternative Solvents.

As a consequence of **UNION** maintaining its leadership in the drycleaning machine manufacturing industry for three-decades, we have an unprecedented level of safety and other innovations to be found in the new **UNION HXL-HXP8000** Hydrocarbon & Silicone Series machines...

These are innovations features that translates into faster production, lower energy and maintenance costs, easier operation and ecologically superior performances.

From the development of the **DIALOG** management computer brain, to the advanced Idromatic environmentally safe distillation waste transfer system, the **UNION HXL-HXP8000** Series gives real meaning to the words **Fast, Smart and Clean**.

Whether you choose to use hydrocarbon or silicone-based solvents, there is a size and featured **HXL-HXP8000** models within the new **UNION** production that will be the perfect drycleaning system for you.

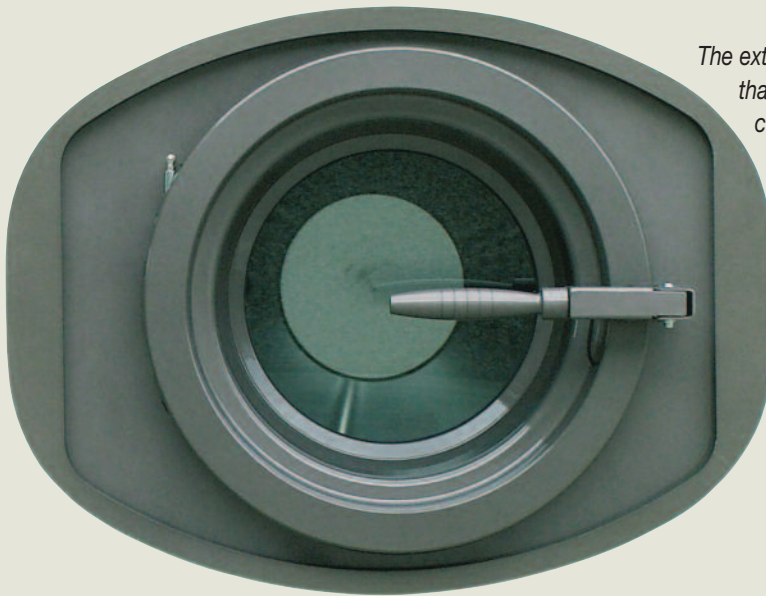
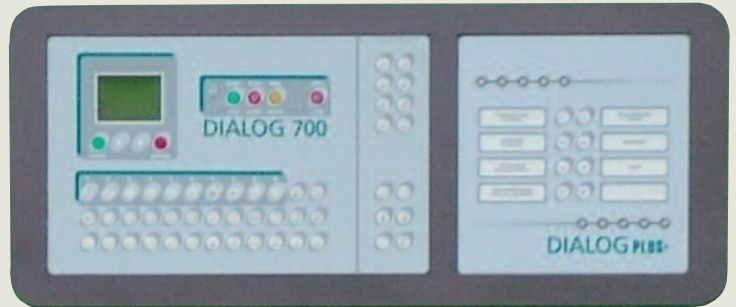
Superior Technology for advanced performance.

Our new **DIALOG** Computer has a variety of factory-set programs that handle virtually all cleaning needs no matter which type of solvent you choose. All preset programs can be customized on-site using simple, user friendly, manual overrides.

By simply entering a code, you can switch from hydrocarbon to silicone solvent and back without making any mechanical changes to the machine whatsoever other than changing the solvent.

All the system functions and program controls appear in the clearly understood menu driven flow chart panel. Separate displays continuously monitor and will exhibit solvent temperatures, the drum in and outlet air temperatures.

The **UNION DIALOG** system also keeps accurate historical & progressive accounts of operations, programs, and routine maintenance performed on a time/day/date basis within a **MEMORY CARD**. All data can be retrieved and logged into any PC desktop or laptop PC for easy record keeping. All machines of the **UNION HXL-HXP 8000 Series** are equipped with a large function display panel for the immediate observation of the process phase.



The extra large loading door feature has a computer-controlled locking system that prevents unintentional opening of the door until dry clean cycle is completed and all solvent vapour is removed from the system.

The opening angle is optimised to provide as much room as possible for garments, the barrow and operator while loading and unloading. A newly designed basket maximizes the control of the air temperature for faster, more efficient drying and final cool-down deodorization.

The basket housing also features an automatic back plate wash to remove residual lint behind the basket. By special request, it is also possible to have the door opening on the opposite hand.

← **UNION DIALOG** computer also has an easy plug-in microchips that let you expand the capabilities of your drycleaning machine. It is now possible to upgrade software, download data direct to your PC, and copy programs from machine to machine →



UNION Unleashes The Brain!

DIALOG PLUS! that is the latest advance in computerized management technology for advanced drycleaning machines. It is now standard on every new HXL-HXP 8000 Series System! With **DIALOG PLUS** you can run different programs without having to change any temperature settings or basket speeds.

Once the individual programs are entered, **DIALOG PLUS** automatically records the required variable settings for you. You can administer a program with standard temperatures settings and basket speeds and then switch to a more delicate type program

using slower and milder basket speeds with lower solvent and drying temperatures.

All this is possible without having to make any adjustment to any settings. **DIALOG PLUS** also allows the control of different solvent, inlet and outlet air temperatures for each and every individual step in the program. It monitors and displays all temperatures in the machine system, including distilled solvent temperature and the refrigeration evaporator temperature. It can even pause a cycle until the desired solvent or air temperature for any specific operation is reached. Soap and additive injections are automatically controlled by the **DIALOG PLUS** computer.

This allows you to quickly and simply change, modify or expand any part of the program in use.

We call it The Brain. You'll call it Indispensable!

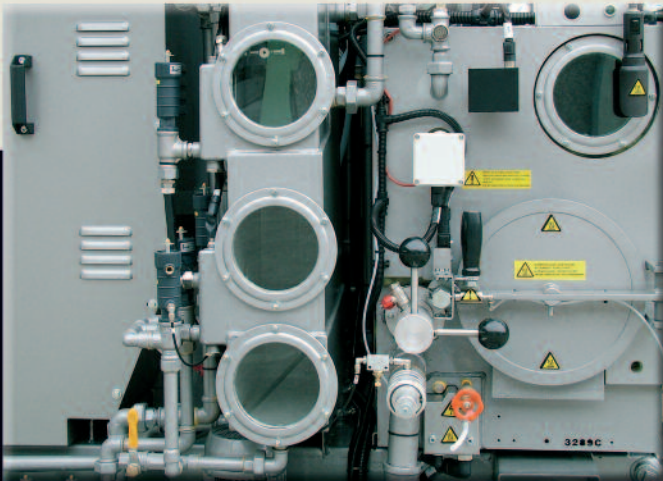


Advanced innovative features.



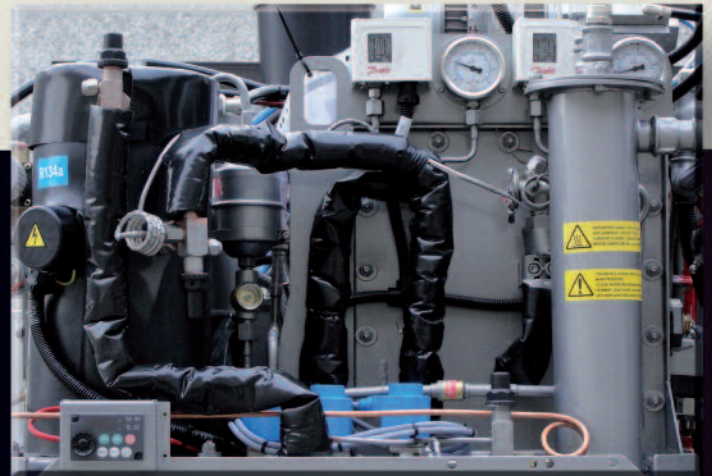
Multiple, independently functioning high-micron self-cleaning spin disc filters and large-capacity carbon cartridge filters are standard on all **UNION HXL-HXP 8000 Series Systems** to assure optimum filtration of both large and small dirt particles giving maximum possible solvent clarity. The **DIALOG** Computer can automatically control the individual use or the pairing of the filters for whites, darks or colours according to specific programs and requirements.

UNION's IDROMATIC Still Cleaning System with **PNEUMO STILL** waste transfer completely removes distillation residues. It allows you to scrape the interior walls and floor from the outside, it then automatically pumps out all residue into a waste container for shipment and safe disposal...all this is possible without opening the still door preventing exposure of any solvent fumes to the operators. The still interior is then automatically pressure washed with fine jets of solvent to assure a totally cleaned and purified chamber prior to further use.



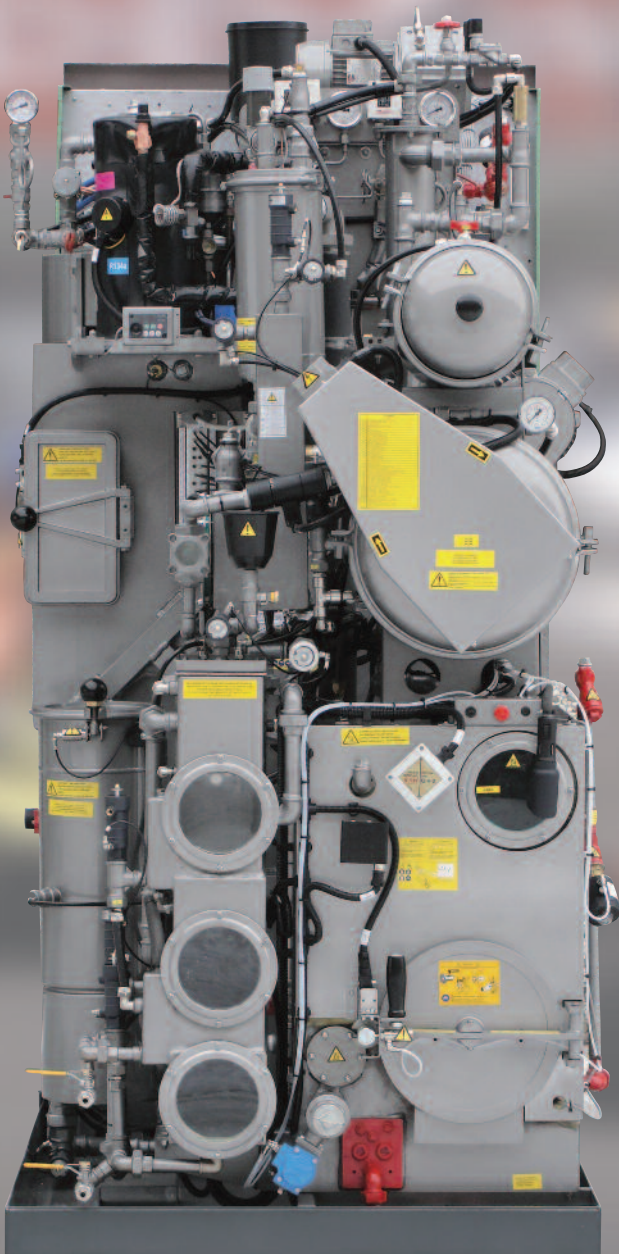
New designed **HXL-HXP 8000** drying system with an extremely large fan, reduces drying times compared to any previous machine. For an optimum protection of the drying tunnel heat-exchangers, all **HXL-HXP 8000** models are equipped with **TWIN AIR FILTERS**. These are easily serviced through a single large inspection port. Daily maintenance has now been simplified by incorporating this easy access port for the twin filters together with the button trap.

The high-efficiency refrigeration unit is provided with two control devices for better control of the operating pressures and allowing easier maintenance. The fridge unit consists of a high efficiency compressor, a condensation battery, a Freon media containing anti-corrosion treatment, a heat recovery battery which permits reduced operating costs. New technology Scroll type compressor guarantees silent operation, drastically reduced cooling water consumption, facilitates a serious amount of heat energy input into the drying process. **ARTIC LINE** system controls, available on demand, with exact solvent temperature maintenance for every cleaning requirement.



The Ideal Drycleaning System For Alternative Solvents.

UNION HXP8010E, HXP8012E, HXP8015E, SLIM SPACE. Fast. Smart. Clean.



Exceptional cleaning, economy and ecological performance is achieved in the **UNION HXP8010E, HXP8012E, HXP8015E** having 10, 12 and 15 kg loading capacity respectively, a slim, portrait foot-print, perfect for workshops with limited floor space. They are also ideal as an extra add on machine coupled to existing machinery in order to clean textiles and garments (F) which cannot be water treated or cleaned with chlorinated (P) solvents.

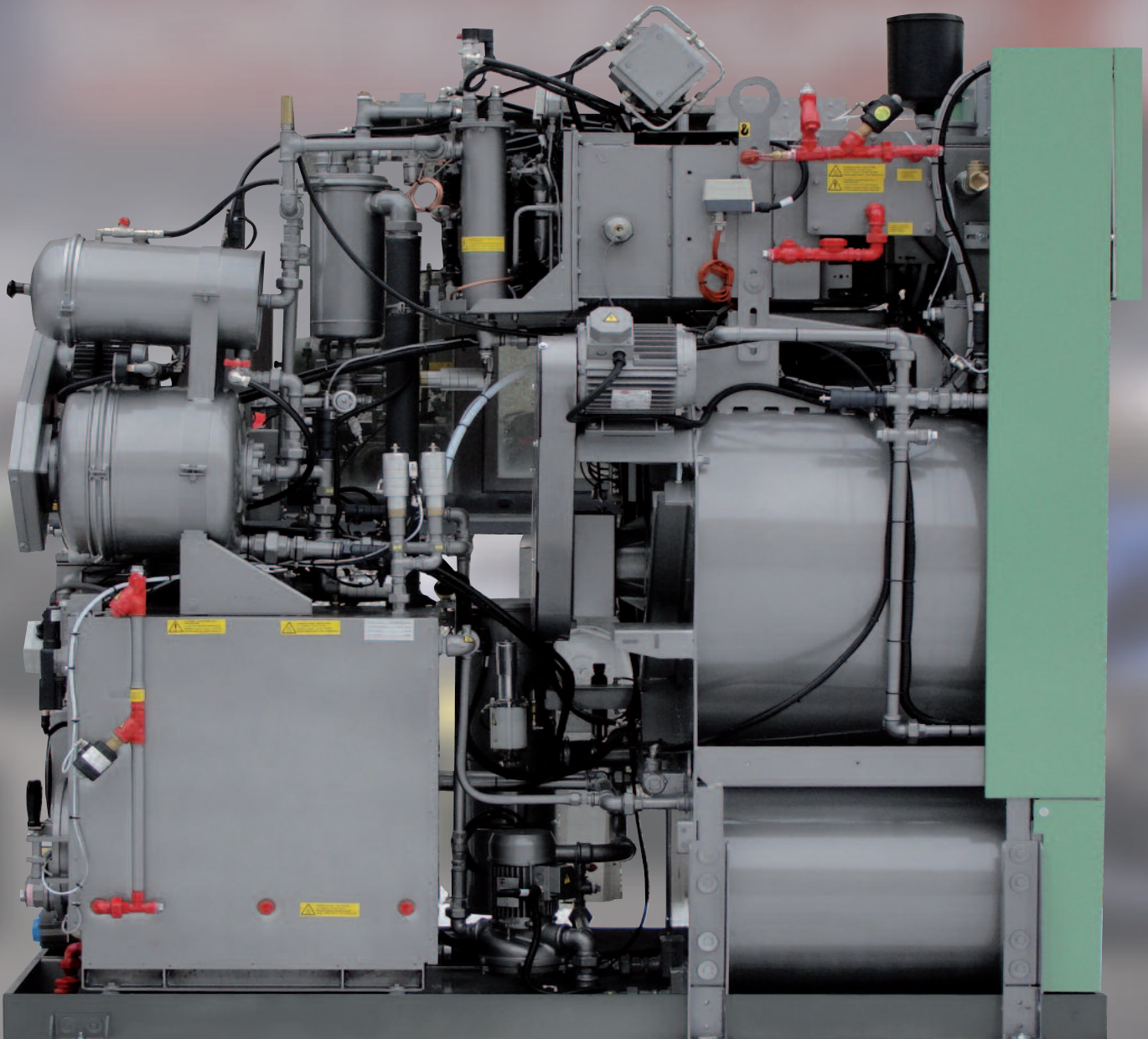
UNION portrait **HXP8010E, HXP8012E, HXP8015E** are perfect for continuous distillation cycles.

The distillation can be steam fed or the machine alternatively supplied with a built-in mini boiler adequately regenerating the appropriate amount of cleaning solvent before the end of each cycle. This allows repeat processing or the switching off of the machine without wasting further time or energy. **UNION HXP8010E, HXP8012E** and **HXP8015E** portrait profile offer considerable reduction to occupied space. They also include all standard **UNION** innovations and exclusive technical features as seen in the **HXL8000** range.

These models are equipped with two independent solvent tanks with slanted bottoms, designed to prevent moisture and associated bacteria problems, with large front facing sight glasses.



UNION HXP8010E, HXP8012E, HXP8015E, SLIM SPACE. Fast. Smart. Clean.



Logical, ergonomically designed for convenience having easy access to all maintainable components. This model includes multiple independent spin disc EcoFilters, carbon cartridge filters. There is convenient access to the generously sized double lint filters and button trap, the **Multi-stage H.C.S. gravitational water separator** with a large sight glass.

These models are equipped with two independent solvent tanks with slanted bottoms, designed to prevent moisture and associated bacteria problems, with large front facing sight glasses.

All models of this range are equipped with **INVERTER** electronic controlled basket speed allowing choice of the ideal mechanical action. **IDROMATIC** Still Cleaning & with the **PNEUMO STILL** Waste Transfer System incorporating quick-release coupled hoses and shut off valves.

New design cylindrical solvent tanks offer a more efficient solvent drain and cleaning.

The new and larger external button trap offers best solvent pump protection from lint and buttons.



The Ideal Drycleaning System For Alternative Solvents.

UNION HXL8010S, HXL8012S, HXL8015S

Fast. Smart. Clean.



Exceptional cleaning, economy and ecological performance in 10, 12 and 15 kg loading capacities.

Three independent fully automatic tanks. Large access aluminum loading door.

All models feature a new electronic **DRYING CONTROL** system. **DIALOG** Computer with **DIALOG PLUS!**. Easy front access to the electrical panel, computer and distillation control components.

Solvent temperature control system available by **ARTIC LINE**. New "**NEW TECH**" cable system for easier access to electrical connected components.

Industrial grade stainless steel and non-ferrous metals are used in all corrosion critical areas. Still & solvent overflow spillage protection within the heavy duty steel floor tray and a suction emptying hose facility.

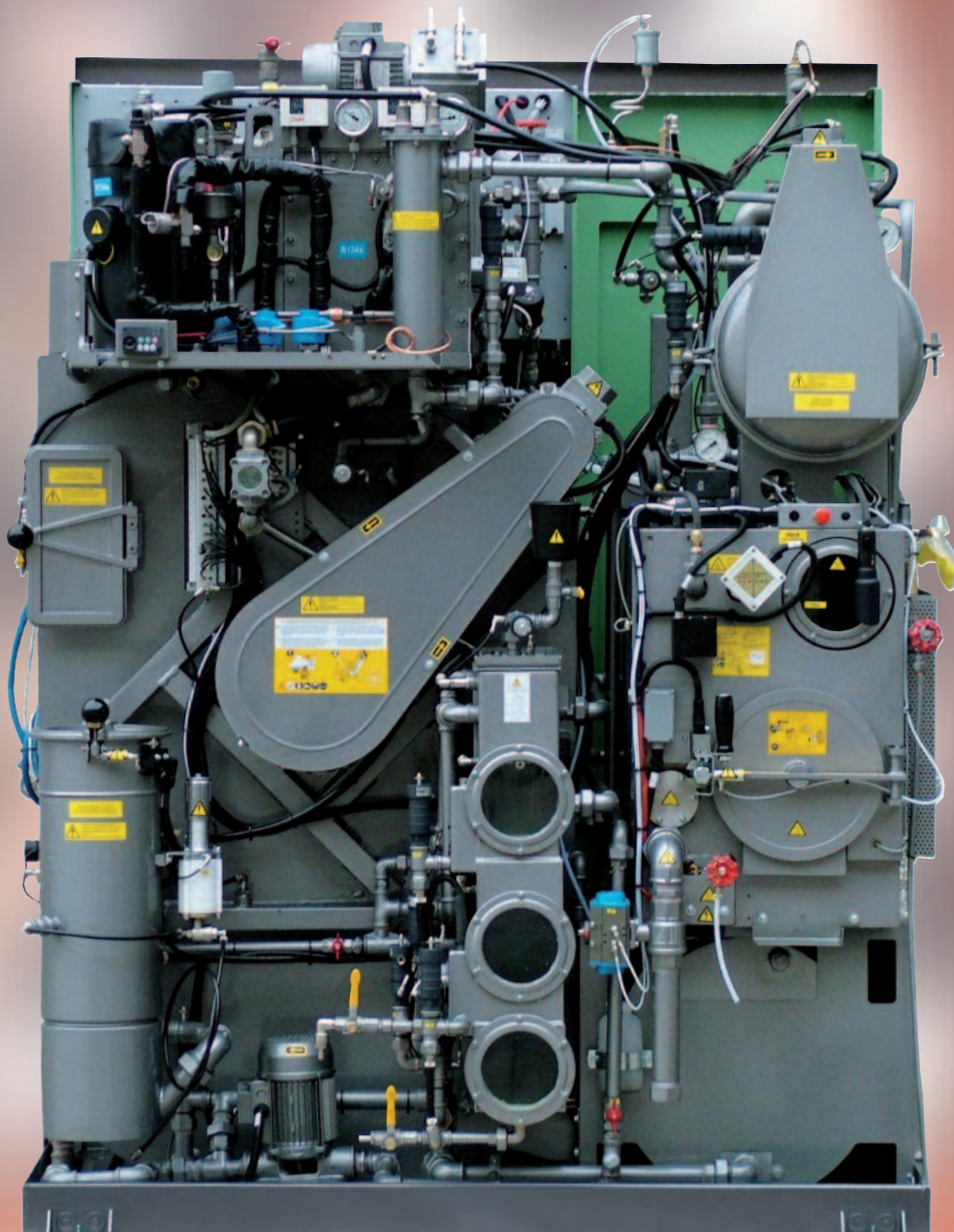
Horizontal electric panel, easily accessible, equipped with main switch.

New air tunnel design to increase air flow for faster and better drying cycle.



UNION HXL8010S, HXL8012S, HXL8015S

Fast. Smart. Clean.



Logical, ergonomically designed for convenience having easy access to all maintainable components. Equipped with **INVERTER** electronic controlled basket speed allowing choice of the ideal mechanical action.

DIALOG Computer with **DIALOG PLUS!**. Multiple independent spin disc Eco-Filters and carbon cartridge filters. Convenient access to the generously sized double lint filters and button trap, Vacuum distillation system, H.C.S. (HybridCharge System) with multi-stage gravitational water separator with sight glasses.

IDROMATIC Still Cleaning & with the **PNEUMO STILL** Waste Transfer System incorporating quick-release coupled hoses and shut off valves.

High-efficiency pumps and motors. ETL listed for USA and Canada , CE for European countries.

Self cleaning multiple water separator for easy maintenance and optimal work assure moisture control inside the equipment.

New design large external button trap protect the solvent pump from lint and button, reducing the maintenance.



The Ideal Drycleaning System For Alternative Solvents.

UNION HXL8010E, HXL8012E, HXL8015E

Fast. Smart. Clean.



Two independent solvent tanks with slanted bottoms and large front facing sight glasses.

The same exceptional cleaning ability, operational economy, and ecological performance as with larger models.

UNION HXL8010E(10 kg) HXL8012E(12 kg) and HXL8015 (15 kg) will satisfy all dry cleaners requirements.

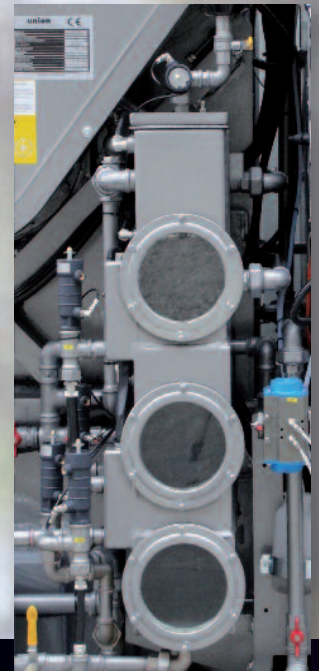
Equipped with **INVERTER** electronic controlled basket speed allowing choice of the ideal mechanical action. Easy front access to the 24-volt computer circuitry electrical panel. A separate door to the still control components. Illuminated front facing sight glass to show the solvent flow during the wash cycle.

The Distillation Unit includes H.C.S (Hybrid Charge System) with **SENSOR PLUS** to detect and prevent solvent foaming resulting in bacteria growth.



The Ideal Drycleaning System For Alternative Solvents.

Unparalleled technology in the new innovations in this Union machine.



Alternative solvents such as Hydrocarbon and liquid silicone are not completely new but are an evolution of petroleum products that were first used before the end of last century. Nowadays, these solvents are widely used in many countries.

They are practically odourless, have exceptional cleaning abilities, are excellent for the cleaning of delicate, coloured, synthetic garments which cannot be treated with perc solvent or water. Leather and fur fabrics can also be processed with excellent results.

If compared to wet cleaning or perc solvent, they preserve better fibers and prolong garment life, simplifying and cutting the ironing and finishing time.

Exceptional economy and ecological performance can be achieved using these alternative solvents in **UNION HXL-HXP 8000** machines.

Features of this machine include vacuum distillation H.C.S. (Hybrid Charge System), multi-stage gravitational water separator with sight glasses.

This regeneration system improves purity of solvent assuring excellent dry cleaning results.

The design of the **UNION HXL-HXP 8000** series is targeted to offer the maximum utilization of occupied floor space. Low noise levels, lower consumption, better stability during extraction assuring a total lack of vibration on stable floors. Special attention has been given to keeping low running costs, especially with regard to cooling water consumption utilizing the most updated refrigeration technology. Lower water consumption, during drying, when compared to previous models.



The Ideal Drycleaning System For Alternative Solvents.

Technical Specifications:

		HXP8010	HXP8012	HXP8015	HXL8010E	HXL8010S	HXL8012E	HXL8012S	HXL8015E	HXL8015S
LOAD CAPACITY	Kg	10	12	15	10	10	12	12	15	15
BASKET										
Volume	lt	200	221	285	200	200	221	221	285	285
Diameter	mm	700	800	800	700	700	800	800	800	800
Depth	mm	500	440	560	500	500	440	440	560	560
Wash speed	rpm	20 - 55	20 - 55	20 - 55	20 - 55	20 - 55	20 - 55	20 - 55	20 - 55	20 - 55
Extract speed	rpm	300 - 500	300 - 500	300 - 500	300 - 500	300 - 500	300 - 500	300 - 500	300 - 500	300 - 500
Door opening	mm	350	500	500	350	350	500	500	500	500
TANKS										
Useful volume tank 1	lt	75	85	105	75	75	85	85	105	105
Useful volume tank 2	lt	75	85	105	75	75	85	85	105	105
Useful volume tank 3	lt	-	-	-	-	120	-	120	-	120
STILL										
Useful still volume at half inspection	lt	84	144	144	84	84	145	145	145	145
Total still volume	lt	100	164	164	100	100	180	180	180	180
NYLON FILTER										
Volume Nylon Filter housing	lt	35	35	35	35	35	35	35	35	35a
Nylon Filter area	mt ²	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1	2,1
Filter disk	nr	14	14	14	14	14	14	14	14	14
CARTDRIGE FILTER - PR										
Volume filter housing	lt	13	13	13	13	13	13	13	13	13
Tubes numbers	nr	1	1	1	1	1	1	1	1	1
Cartdrigis quantity	nr	1	1	1	1	1	1	1	1	1
ELECTRIC POWER (400V - 50Hz)										
Working power (ELECTRIC HEATED)	Kw	14,5	17	17	14,5	14,5	17	17	17	17
Wash / Extract	Kw	*0.5÷2.2 Kw	*0.6÷3 Kw	*0.6÷3 Kw	*0.5÷2.2 Kw	*0.5÷2.2 Kw	*0.6÷3 Kw	*0.6÷3 Kw	*0.6÷3 Kw	*0.6÷3 Kw
Solvent pump motor	Kw	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55
Fan motor	Kw	0,75	1,5	1,5	0,75	0,75	1,5	1,5	1,5	1,5
Fridge compressor	Kw	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Nylon filter motor drive	Kw	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55
Vacuum pump	Kw	0,38	0,38	0,38	0,38	0,38	0,38	0,38	0,38	0,38
Air compressor	Kw	0,38	0,38	0,38	0,38	0,38	0,38	0,38	0,38	0,38
Drying heating elements	Kw	9	10,5	10,5	9	9	10,5	10,5	10,5	10,5
Working power (STEAM HEATED)	Kw	5	6	6	5	5	6	6	6	6
MACHINES WEIGHT REGULAR Version										
Empty machine weight	Kg	1025	1175	1220	1135	1155	1270	1290	1320	1340
Machine weight with solvent	Kg	1195	1360	1435	1305	1417	1455	1570	1535	1648
Static charge on the floor with solvent	Kg/mt ²	755	648	684	703	763	691	745	729	783
Dynamic charge on the floor (+10%)	Kg/mt ²	1038	928	1021	951	1018	975	1035	1070	1130
MACHINES DIMENSIONS										
(A) Width front Machine	mm	890+124	1000+124	1000+124	1450+124	1450+124	1560+124	1560+124	1560+124	1560+124
(B) Depth	mm	1950	2000	2000	1380+60	1380+60	1450+60	1450+60	1450+60	1450+60
(C) Height	mm	2015	2170	2170	2015	2125	2125	2125	2125	2125

* POWER CHANGES ACCORDINGLY TO THE USE OF THE MACHINE

Note: Acoustic emission level of the machines is lower than 70 dB (A).
Specifications subject to change without notice.



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