

# IFP

INDUSTRIAL FINISHING PLANTS



## KP.HD

### VACUUM CLEANING MACHINES

Modified Alcohols . Hydrocarbons



ECO~POWER

#### OUTSTANDING TECHNOLOGY

*For the best results, safety, efficiency, economy and versatility.*

#### APPLICATION

##### ELIMINATION OF CONTAMINANTS:

Polishing pastes . Lapping . Oils . Emulsions . Particles . Fingerprints

##### WASHING PROCESSES ALSO FOR PARTS SUBSEQUENTLY SUBJECTED TO:

Galvanizing . PVD treatment . Painting . Powder coating . Welding . Coating . Gluing

##### TYPES OF COMPONENTS

Fashion accessories . Turned, precision and formed mechanical components . Automotive components . Taps  
Handles . Die-cast components . Sintered components . Gears . Medical items . Watches . Jewellery

**KP** Kleen Power

*THE CLEANING OF THE FUTURE... NOW*

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# KP.HD

## VACUUM CLEANING MACHINES

MODIFIED ALCOHOLS . HYDROCARBONS

### The best technology on the market

Thanks to their vacuum treatment cycle up to 1 millibar and the wide range of standard and optional features.

KP *Kleen Power* washers can be fully monitored and managed remotely.

#### THE BEST SAFETY LEVELS FOR MANKIND AND THE ENVIRONMENT:

- **Best environmental quality both in the working area and in the atmosphere**, guaranteed by the vacuum treatment. The vacuum level generated in KP *Kleen Power* washers ensures a sealed system and the absence of any product residues on the treated components, irrespective of their morphological complexity.
- **Use of low impact washing liquids**. KP *Kleen Power* washers use washing liquids with low impact, only classed as irritant, ensuring the best washing results.
- **No need for ordinary system cleaning maintenance by the operator**.
- **System safety and efficiency constantly monitored** by specific control sensors.

#### THE BEST WASHING RESULT:

- **Perfect degreasing, cleaning and drying** of all types of components, including those with complex geometries, or with blind or capillary holes. Thanks to the specific vacuum treatment cycle, the consumption of washing liquid is greatly reduced when compared with atmospheric cycle washers, which use dangerous solvents.

#### THE GREATEST MANAGEMENT SAVINGS:

- **Extremely low consumption** during washing.
- **Significant reduction in washing liquid waste during the system cleaning operations** thanks to the automatic separation with vacuum stripping of the contaminant.
- **Elimination of ordinary maintenance costs and times** for the system cleaning operations that would normally be carried out manually by the operator, thanks to the elimination of their need. In KP *Kleen Power* washers, these operations are automatically carried out by the machine, without the need for human intervention.
- **Elimination of system stops for cleaning purposes**. KP *Kleen Power* washers can be used while the separation of the contaminant from the washing liquid is taking place.

#### BETTER WASHING LIQUID MANAGEMENT:

- **The washing liquid undergoes thermal stress** thanks to the fully vacuum treatment, and keeps its chemical-physical properties for a long time.
- **Complete filtering of the washing liquid at every cycle**.
- **Continuous washing liquid distillation**.

#### OUTSTANDING VERSATILITY:

- **Complete and simple management of treatment cycles by the operator**, who can control their duration, entity, sequence, etc...
- **Limited space requirements of KP *Kleen Power* washers**, thanks to the compact sizes that require the least possible space inside the plant.

#### OUTSTANDING EFFICIENCY:

- **Multi-material washing**. KP *Kleen Power* washers can handle various types of materials, using washing liquids with high performance levels against contaminants, at the same time compatible with more delicate materials, such as brass, zamak, aluminium, cast iron, enamel, etc...

model	load dimensions	load weight Kg	dimensions mm	cycles/hour
KP 50 HD	300 x 450 x 270h	50	1800 x 2100 x 2700h	4 - 8
KP 100 HD	450 x 600 x 270h	100	2300 x 2400 x 2800h	4 - 8
KP 150 HD	450 x 900 x 250h	150	2300 x 2600 x 2800h	4 - 8
KP 200 HD	450 x 1200 x 200h	200	2300 x 2800 x 2800h	4 - 8

IFP Europe Srl

Via Po, 1

35015 Galliera Veneta (PD) Italia

Tel. +39 049.5996883

Fax +39 049.5996884

info@ifpsrl.com



#ifpeurope



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### Standard features

Full stainless steel construction  
Vacuum-proof systems  
Vacuum pumps  
Ultrasound transducers  
Three washing tanks  
High performance multi-nozzle spraying system  
Cryogenic abatement system  
Distiller  
Automatic sludge stripper  
Double filtration system  
Sealed loading/unloading system  
Touch screen control panel  
Remote Internet assistance

### Available accessories

*Fourth washing tank*  
*Protection agent application unit*  
*Additional filtration units*  
*Automatic load handling systems*  
*Automatic load recognition systems*  
*with association of the washing cycle*  
*Automatic door*



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