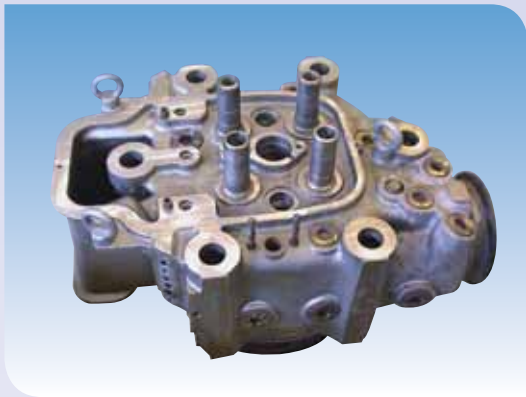


Perfect Clean Parts in a Production Situation



- Fully enclosed single wash chamber machine operating completely under vacuum eliminating harmful effects to the environment while achieving excellent parts cleaning result.
- Touchscreen control with network capability. Optional Teleservice link available for remote monitoring.
- Single cleaning chamber allows for multifunction cleaning stages.
- Continuous vacuum operation eliminates air pockets to provide deeper cleaning in recesses, blind holes and better removal of swarfs, chips, emulsions, oil and other solids.
- Automated basket transport systems with basket identification to reduce or eliminate manual handling, allowing continuous machine operation.
- Systems are available to run with chlorinated solvents, PCE, hydrocarbon solvents or modified alcohols.



Vacuum Technology

The Kemet Optisol KP is a continuous vacuum parts cleaning system utilizing Chlorinated Hydrocarbon or Modified Alcohol Solvents. These fully enclosed systems provide an excellent cleaning solution for industrial precision parts, while imposing no harmful effects on the environment. Part integrity is maintained by the low operating temperature under vacuum.

Wash

The single cleaning chamber can accept up to 3 baskets of contaminated parts for all stages of the cleaning cycle. Various wash stages available in Optisol KP include spray, immersion and ultrasonic cleaning. Washing efficiency and full solvent drainage is achieved by fully programmable basket movement including any combination of static, tilting or rotation. Operation under continuous vacuum ensures no air pockets thereby further enhancing washing efficiency.

Rinse/Dry

A programmable rinsing cycle after the wash is made by creating vapour. Solvent is heated in the main boiler which then permits vapour to move to the cleaning

chamber to condensate and rinse the parts. A programmable drying cycle is under higher vacuum to bring the boiling point of the solvent to a lower temperature. Complete evaporation of any solvent inside even the most complex detail of the part is then achieved. Complete part and chamber drying provides safety for environment and operator.

Rust Inhibitor

For application of oil based rust inhibitor to parts, a rust inhibitor can be added to the Optisol KP system.

Solvent Handling

Maintenance of the solvent integrity is accomplished by distillation of the solvent by means of continuous vapour boiler in the distillation loop. Electrical heaters, temperature and level sensors in the boiler assure appropriate safe temperature throughout the cycle.

Automation

A variety of automation options exist for basket transport and identification. Basket lift, conveyor system, as well as multi-basket automation connectivity is available.

Overall dimensions (mm)	KP 50 H/MA	KP 100 H/MA	KP 150 H/MA	KP 50 S	KP 100 S	KP 150 S
	Hydrocarbons in VbF class A3 Modified alcohols (alkoxy-propanols)			Chlorinated solvents PCE		
Width (mm)	1750	1900	1900	1750	1900	1900
Depth (mm)	1750	2150	2150	1500	2150	2150
Height (mm)	2600	2600	2600	2600	2600	2600
Basket capacity						
Length (mm)	450	600	900	450	600	900
Width (mm)	300	450	450	300	450	450
Height (mm)	200	200	200	200	200	200
Weight (kg)	50	100	150	50	100	150
Cycles/Hour						
Depending on cleaning process and treatment times	up to 8	up to 8	up to 8	up to 5	up to 5	up to 5
Empty Weight of machine (kg)	2000	2700	3000	1400	1800	2400

Dimensions and data are subject to change without further notice