kolb

CLEANING TECHNOLOGY
Made in Germany

MultiEx® VR-HPA

Multifunctional aqueous alkaline broadband cleaning detergent for colophonium, flux and solder paste

Part No. 090664-RM25 // Content: 25 l
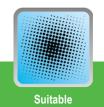Part No. 090664-RM200 // Content: 200 l (Barrel)

T+S LONGLIFE » pH buffered «

PS PowerSpray®

AF AirFlow®

US UltraSonic

LowConduct

LowTemp

TS TernarySeq®

Application overview

Most suitable	Suitable	Optional suitable	Optional suitable	Optional suitable
PCBAs, Hybrids	Stencils	Solder frames	ESD boxes	Condensation traps
Power electronics	Screens	Solder carriers	Containers	Filters
Misprints (mounted)	Misprints (bare boards)	Solder masks	Magazines	Steel sheets

Technical data

Color	transparent
pH-value at 20 °C	11,0
Conductance at 20 °C	< 100 µS/cm
Flash point	> 100 °C
VOC content	< 20 %
Water solubility	fully soluble
Application	undiluted
Application temperature	20 - 45 °C
Storing (in original container)	10 - 30 °C
CLP / GHS	GHS 07

MultiEx® VR-HPA is a broadband cleaner for PCBs with sensitive components (e.g. aluminium) and cleans particularly colophonium and flux as well as solder paste quickly, thoroughly and with best material protection from PCBs, ceramic substrates, misprints, stencils, solder frames, magazines, aluminium, stainless steel.

ReadyMix for direct use in a cleaning system

Contaminations

Adhesive / Glue	++
Solder paste	++
Flux	++
Thermal compounds	++
Oxides	++
Coating / Varnishing	—

Machine Technologies

Spray-in-air / (PowerSpray®)	++
Spray-in-immersion	++
Air-in-immersion (AirFlow®)	++
Ultrasonic systems	+
Manual application	o

++ = ideal for application, + = recommended, o = optionally applicable, — = not recommended

Note: The spreadsheet only shows a general overview of the product specifications.

Cleaning tests are reasonable to determine the optimum cleaner configuration. Such tests may be carried out directly at the **kolb** demonstration center in Willich / Germany or Shanghai / China or can be initiated by contacting your local **kolb** partner.

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Page 1 of 1

02/24