



**KD-Check Stationary System for Penetrant Testing**  
Surface Crack Testing

**KARL DEUTSCH**

# KD-Check Stationary System

## Complete Solution for Liquid Penetrant Testing

The KD-Check Stationary System is designed for liquid penetrant testing of small and medium-sized components. Each step of process like precleaning, penetrant dwell, penetrant removal, developing and evaluation can be done here. It is suitable for both single component and small series testing.

A switchbox (mounted on the side panel) provides easy use of lighting, waste air fan and wash water pump. In addition, it contains connections for further units like hot air dryer or UV hand lamp.

The KD-Check Stationary System is equipped with an intrinsically safe waste air fan so the diffusion of spray mist and explosive gas mixtures (cleaner, propellants) is reduced to minimum. A daylight lamp, also intrinsically safe, provides sufficient light intensity.

Excess penetrants and wash water are collected in the tub which is mounted under the working area and subjected to effluent treatment by means of active carbon. Via a hand-held shower unit this regenerated water can be reused for penetrant removal.

Customized dimensions and specific features are possible on request.

Technical Data	
Exterior dimensions	approx. 2.16 x 1.2 x 0.9 m (HxWxD)
Work surface	900 x 700 mm (WxD)
Load capacity of the work surface	max. 100 kg
Power supply	three-phase current 400/230 V 50 Hz
Capacity of active carbon	~ 1 kg active carbon per 1 l penetrant

Ordering Info / Spare Parts / Accessories	
specification	article no.
<b>KD-Check Stationary System</b> (Complete unit incl.: waste water filter unit, small-sized rotary pump, safety foot switch, water spray gun, exhauster, filter mats, built-in illuminator, fluorescent tubes for daylight lamp)	9510.000
<b>Waste water filter unit</b> (incl. active carbon)	9501.050
<b>Small-sized rotary pump</b>	9501.100
<b>Safety foot switch</b>	9501.120
<b>Water spray gun</b>	9501.150
<b>Exhauster</b>	9501.200
<b>Filter mats</b> (1 coil)	9501.210
<b>Built-in illuminator</b>	9501.300
<b>Fluorescent tube for Built-in illuminator</b> (daylight lamps)	9501.310
<b>Active carbon</b> (1 kg)	9501.400
<b>Large area UV lamp</b> incl. UV edge filter and UV-bulb	3848.002
<b>UV hand lamps: Spotlight PH</b> with integrated electronics, 2 m cable	3819.001
<b>Midlight PH</b> with edge filter, integrated electronics, 2 m cable	3819.002
<b>Darkening cabin (option)</b> 2.5 x 2 x 2 m (HxWxD)	on request



Standard stationary system



Penetrant testing



Rotary plate (optional)



Special stationary system with dip tank and pass-through

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