



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.
KD-Check Stationary System (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
Waste water filter unit (incl. active carbon)	9501.050
Small-sized rotary pump	9501.100
Safety foot switch	9501.120
Water spray gun	9501.150
Exhauster	9501.200
Filter mats (1 coil)	9501.210
Built-in illuminator	9501.300
Fluorescent tube for Built-in illuminator (daylight lamps)	9501.310
Active carbon (1 kg)	9501.400
Large area UV lamp incl. UV edge filter and UV-bulb	3848.002
UV hand lamps: Spotlight PH with integrated electronics, 2 m cable	3819.001
Midlight PH with edge filter, integrated electronics, 2 m cable	3819.002
Darkening cabin (option) 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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