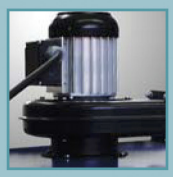
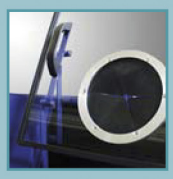
CJC™ Cleaning Tables

Parts Cleaning with Integrated Fine Filtration





Intended for:

- *Cold Cleaners / aqueous fluids*
- *Manual parts cleaning*
- *Flashpoint > 21°C*

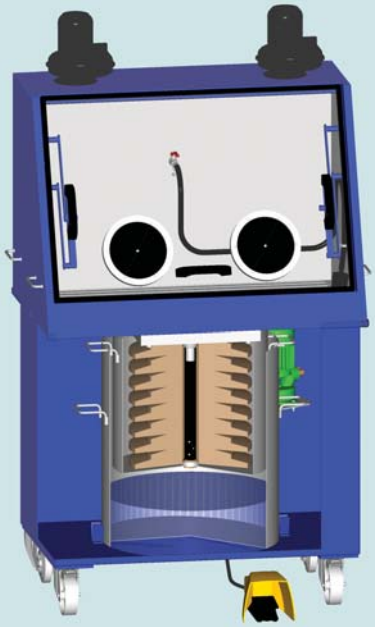
www.cjc.de

CJC™ Cleaning Tables

Industrial Parts Cleaning

CJC™ Cleaning Tables - Highly Efficient Cleaning of Industrial Workpieces

Modern cleaning tables must enable an immaculate cleaning of workpieces and at the same time offer the best possible health and environment friendliness as well as easy and safe handling. It is crucial for the cleaning process that the cleaning fluid itself remains clean, even after long time use, so that the rinsed parts and workpieces are absolutely clean from particles and residue. In order to reduce the costs for purchasing and disposing of cleaning fluid it is equally important that the service life of the fluid is optimized.



In Conventional Workpiece Cleaners

the cleaning fluid becomes increasingly contaminated because the circulating fluid is not filtered. The consequence of this is that the workpiece cleaning is not perfect and the fluid must be replaced frequently.

In CJC™ Cleaning Tables

the cleaning fluid is continuously filtered through the integrated CJC™ Fine Filter insert while the cleaning table is in use. The filter element is made of organic cellulose – an ecologically friendly and yet economic solution.

- **Service life of the fluid prolonged by a factor of 6 to 10**
- **Always a clean, particle free cleaning fluid**
- **Perfectly adaptable to your specific requirements regarding operation, health and safety**

Note: In most EU countries legislation restricts or prohibits the use of chlorinated carbon hydrates. The CJC™ Cleaning Tables are certified (GS-marked) according to the "Rules of Safety and Health by the Cleaning of Workpieces with Fluid Cleaner" (the German BGR 180, previously ZH 1/562) by the Association of Industrial Cooperative Societies, Surface Treatment Department.

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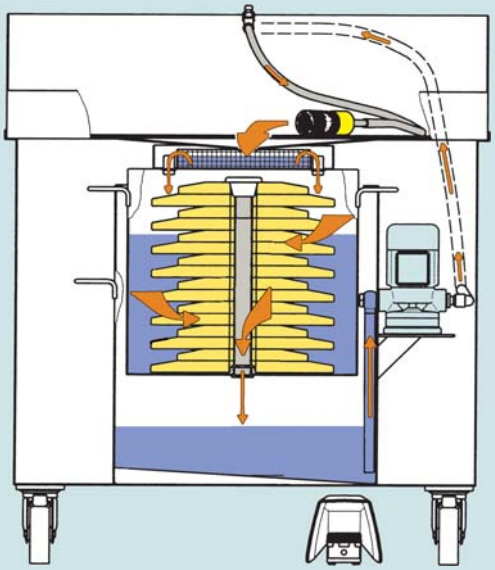
Functional Description

Function

When the pedal switch is pressed the electrical pump starts and cleaning fluid is pumped through the hollow shaft brush and onto the workpiece on the worktable. The used fluid first drains through a coarse sieve in a drain pan under the worktable and then into the inner container with the CJC™ Fine Filter element. The cellulose element filters the remaining contaminants from the fluid, which then flows to the outer container from where it can be pumped back to the worktable.

This system ensures that the user is always having perfectly clean fluid for the cleaning of the workpieces



Fine filtration inside the CJC™ Cleaning Table

The Decisive Element - the CJC™ Fine Filter Insert:

Because of their 3-dimensional structure the CJC™ Fine Filter inserts can be described as a maze-like, very fine meshed sieve with microscopic countlessly branched channels.

This cross section of a CJC™ Fine Filter insert after 6 months' use clearly shows the retained dirt.

75% of the volume of the insert consists of a structure of cavities, which explains the very high dirt holding capacity. The large dirt particles are caught on the filter surface whereas the micro fine particles are trapped in the very small cavities inside the filter disks.

Fine Filtration after every Use - For a Permanently Clean Fluid

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For every Purpose

CJC™ Cleaning Tables

have a double walled base bin which effectively prevents unwanted leaking of fluid to the floor. Installation of a drip pan is dispensable.

RT 40 (worktable flipped open)

CJC™ Cleaning Tables

- GS-certified for maximum operational safety
- load capacity of 100 kg
- fitted on wheels for higher mobility (except type RT 40 AG ATEX)
- contain approx. 60 L of cleaning liquid
- have an ultramarine blue (RAL 5002) finish

CJC™ Cleaning Tables

are available with either an open worktable - which can be flipped open to facilitate replacement of the filter insert - or with a detachable spray hood.

The Spray Hood

is available with exhaust device and / or a hatched safety glass screen.

RT 40 A (extraction)

RT 40 AG (with glass screen/extraction)

Extraction

On tables with extraction harmful vapours are effectively removed from the workspace and the operator by two powerful ventilators.

Glass Screen

The protective glass screens have either cuffed holes or gloves (accessory) for enhanced protection of the operator.

CJC™ Cleaning Table RT 40 XL

Special edition made to suit your demands. Size of worktable, load capacity and spray hood with extraction can be customised to suit the requirements of a specific workplace. The worktable is mounted on height adjustable legs. To facilitate filter insert replacement the fluid container can be wheeled forward from under the worktable.

RT 40 XL (standard)

A Variety of Special Equipment Available on Request

The Right Choice

In order to select the CJC™ Cleaning Table that meets your specific work place requirements, please, use the following table:

1. Find the group that your cleaning fluid belongs to.
2. In this group select the workpiece category (size, weight) that matches yours.

Or send us a copy of the safety data sheet of your cleaning fluid together with a size description of your workpieces; we gladly give you advise.

1 Cleaning Fluid Group Flashpoint / Designation*	2 Workpieces	Cleaning Table Type
> 55°C no designation	normal workpieces < 100 kg ----- large / heavy workpieces	40, 40 H, 40 G, 40 A, 40 AG ----- 40 XL
40°C to 55°C designation "flammable"*	normal workpieces < 100 kg ----- large / heavy workpieces	40 A, 40 AG ----- on request
21°C to 40°C designation "flammable"*	normal workpieces < 100 kg ----- large / heavy workpieces	40 AG ATEX ----- on request
aqueous only neutral cleaner (pH-value 6 to 10) no designation	normal workpieces < 100 kg ----- large / heavy workpieces	all types in specification W ----- 40 XL in specification W

* according to the Chemistry Regulation (EU Regulation 79/831/EWG)

For cleaning solvents with a flashpoint of 40°C to 55°C a CJC™ Cleaning Table with exhaustion (dual fan) must be used.

ATEX-type: The cleaning table types applicable for cleaning solvents with a flashpoint of 21°C to 40°C are of explosion proof design.

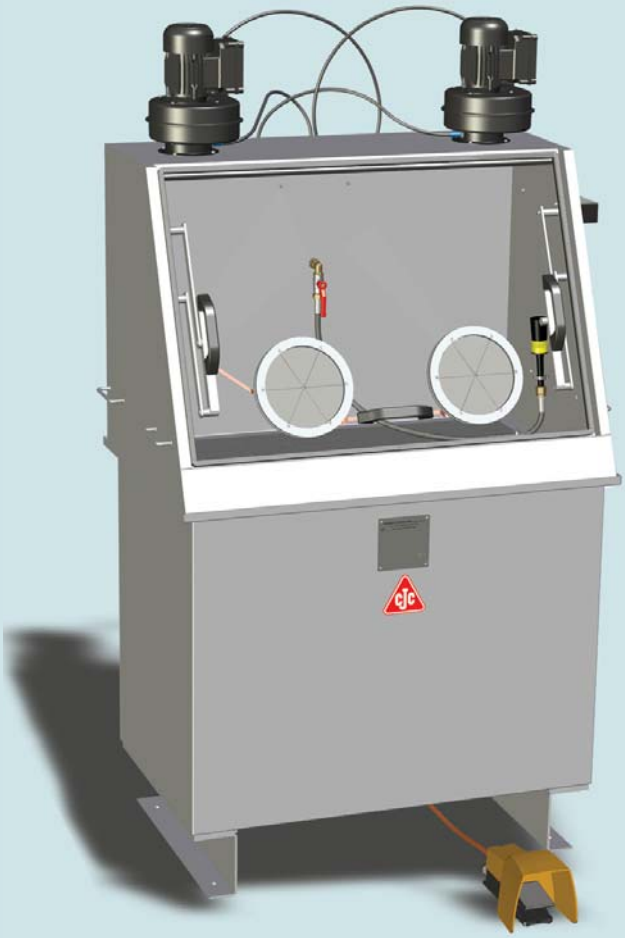
The explosion protection covers the explosive hazard created by the cleaning fluid itself. If the cleaning table is to be situated in areas with general explosion hazard, the need for any additional protection must be carefully considered.

Specification W: The cleaning table types suited for aqueous fluids are supplied with stainless steel interior components and CJC™ Fine Filter inserts of type D.

Every Litre of Saved Fluid Protects the Environment.

CJC™ Cleaning Table RT 40 AG ATEX

Explosion Proof Cleaning of Small Workpieces



CJC™ Cleaning Table RT 40 AG ATEX

Especially designed for the use with cleaning fluids with a flashpoint between 21°C to 40°C.

The RT 40 AG ATEX features a variety of preventive measures, maximizing operational safety also when utilizing fluids with a flashpoint between 21°C and 40°C.

When the protective glass screen is opened, the exhaust fans are started via a sensor switch. The pneumatically driven membrane pump will not start until a differential pressure sensor has measured a lower than ambient pressure over the worktable. The membrane pump feeds the cleaning brush via a pulsation damper with a continuous flow.

The RT 40 AG ATEX is equipped with a fluid level gauge.

As all types of CJC™ Cleaning Tables, the RT 40 AG ATEX offers continuous fine filtration of the cleaning fluid, ensuring immaculate cleaning of the workpieces.

- **Increase work safety**
- **Comply with health and safety regulations**
- **Prolong the life of the cleaning fluid**

CJC™ Cleaning Tables - Certified Safety for Workpiece Cleaning

RT 40 Type Overview

Type RT	Worktable hinged 1000 x 640	Worktable 4 legs 1500 x 800	Spray hood detachable 1000 x 640	Glass screen* hatched	Exhaustion	Pump seals Viton	Voltage ** 3 x 400V	Cleaning fluid Flashpoint	Cleaning fluid Designation***
40	●					● ③	● ④	> 55°C	none
40 H			●			● ③	● ④	> 55°C	none
40 G			●	● ②		● ③	● ④	> 55°C	none
40 A			●		●	● ③	● ④	> 40°C	flammable
40 AG			●	● ②	●	● ③	● ④	> 40°C	flammable
40 XL		● ①	①		①	● ③	● ④	> 55°C	none
40 AG ATEX			●	●	●		●	> 21°C	flammable

* With Viton cuffs (40 G, 40 AG) or Teflon cuffs (40 AG ATEX)

Subject to technical alterations

** Electrical test according to DIN EN 60 204-1:2006

*** According to Chemistry Regulation

● = **Standard equipment**

Special equipment:

① Special size / -design
② Teflon cuffs
③ Teflon pump seals
④ 1 x 230 V / 50 Hz operation voltage

Specification W for aqueous fluids - pH-value 6 to 10 - available for all types.

Further Special Design Options:

- Teflon pump seals
- Stainless steel housing
- 1 x 230 V / 50 Hz operation voltage
- Alternative RAL-colour finishes
- XL-models also with spray hood and exhaustion
- Full length gloves integrated in glass screen (on demand)
- RT 40 AG ATEX for explosion hazardous environments (on demand)

Beneficial for the User, the Environment and the Budget

CJC™ Cleaning Tables facilitate compliance with health and safety regulations. They are a perfect tool for the DIN EN ISO 14001:2005-06 environment management system. Further regulations and guidelines can be found in the BGR 180. The guidelines for devices for the solvent based cleaning of workpieces (BGR 180) are available from our offices on request.

Your Customized Solution is our Standard.

A Clean Solution

gave the Danish inventor, Carl Christian Jensen, the idea which lead to the development of the CJC™ Fine Filters. Initially the filter systems were sold - under the CJC™ brand name - for maritime applications only, and primarily for lube oil and fuel filtration. It did not take long, however, for CJC to develop into an unsurpassed success. In the beginning of the 1960es **KARBERG & HENNEMANN** began selling CJC™ products also for industrial applications. Today, our products are marketed worldwide and used also in the sector of parts cleaning.

KARBERG & HENNEMANN GmbH & Co. KG

Founded in 1928 in Hamburg, where we have developed and produced fine filter technology since 1953. With our own oil laboratory and extensive know-how we have become experts in the conditioning of oils and cleaning fluids.

KARBERG & HENNEMANN srl

Our subsidiary in Modena, **KARBERG & HENNEMANN srl,** services our Italian customers, assisted by our regional distributors.

Quality

Competent consultancy and finding customised solutions to complex filtration applications - that is what we do every day. We are backed by our experience and our products: long life Fine Filter Systems with a filtration degree ranging to $< 1\ \mu m$. Our certification according to DIN EN ISO 9001:2000 confirms our efforts and encourages further development.

CJC™ worldwide

The CJC™ technology is available worldwide. Please visit www.cjc.de to find you local contact.

Safe cleaning - CJC™ Cleaning Tables

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