

# KÄRCHER

makes a difference



## **RELIABLE BIOSAFETY. SUPERB ECONOMIC EFFICIENCY.**

Optimal cleaning solutions for the reliably clean, biosafe and animal-friendly rearing of calves and dairy farming







## **EFFICIENT CLEANING. SECURE INCOME.**

Social beliefs and legislative measures on animal husbandry and welfare have been constantly evolving for decades. The demands made of comprehensive and clever cleaning concepts are also increasing. Today, we offer a complete system of solutions that are easy to operate, robust, reliable, economically efficient and environmentally friendly. Solutions with machines that help to lower costs, reduce drug administration, break the chain of infection, protect animals and thus protect farm income.

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# HIGH-PRESSURE HOT WATER FOR MAXIMUM BIOSAFETY



Uncompromising hygiene is an essential prerequisite in order to effectively protect calves against diseases and keep bacterial exposure in milk production under control.

The calf hutches, as well as the milking parlour, rotary milking parlour and milking robot, must be kept meticulously clean. This has a positive influence on the development of the calves and subsequent economic losses are avoided. In addition a very high level of biosafety is guaranteed in milk production and bacterial transmission from sick animals is prevented.

High-pressure cleaning with hot water is the ideal method to ensure biosafe conditions everywhere. The hot water, reaching temperatures of up to 85°C, allows up to 40 per cent of working time to be saved - with, simultaneously, a better cleaning result. In addition, soaking and drying times are shortened, water consumption is reduced compared with cold water machines, operating times are used more efficiently, and thus the overall operating costs are lowered.

## EASY!Force high-pressure gun

With our EASY!Force high-pressure gun, we make day-to-day work considerably easier. Thanks to its innovative technology, it can use the recoil force of the high-pressure jet in order to reduce the holding force to zero. This saves the user a great deal of effort, thus allowing long and fatigue-free working.

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## Customised accessories

Our numerous accessories often ensure a significantly reduced workload and higher efficiency with very low investment costs. We have selected our cup foam lance and the hose reel here as representative products as they are ideal for agricultural requirements and make day-to-day cleaning work in cowsheds and barns more convenient.



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The range of our high-pressure cleaners is huge and their respective applications in agricultural operations are diverse. High working pressures and equally high water volumes easily and effortlessly remove even large quantities of dirt. Our consultants are specially trained to suggest and deploy the appropriate machines for every requirement.



# PROTECTING ANIMALS. AND YOURSELF!



Dust is not only an ideal breeding ground for fungi and flies. Dust can also bring with it hazardous germs and should therefore be eliminated. To protect people and animals.

Regular vacuuming of dust in calf hutches and barns reduces bacterial exposure and mildew significantly. Sensitive calves, heifers, dairy cows and, of course, all the individuals working with these animals are thus protected against serious respiratory complaints. Furthermore, the breeding grounds for flies and thus the danger of potential germ transmission to the animals are reduced considerably. The floors of milking parlours and milk storerooms can also be kept free of liquids at all times with our wet and dry vacuum cleaners, ruling out or minimising germs and slipping hazards.



## Proactive sweeping

Before the high-pressure cleaning, the barn and storage spaces for the calf hutches should be thoroughly swept and food remains and loose bedding removed. Likewise, we recommend cleaning the outside areas of the farm regularly and thoroughly, paying particular attention to the areas in front of fodder silos, fodder halls and barns. The carryover of spoiled feed as well as germs and infectious substances can thus be effectively avoided.

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## Tailored cleaning agents

Our cleaning agents, developed specially for agricultural requirements, impress with maximum grease dissolving power and first-class results, also on other organic matter such as manure and leftover fodder. In addition, they increase the quality and effectiveness of hot water cleaning, guarantee the product quality of the milk, shorten the cleaning time and thus also lower the labour costs.



Besides the vital hot water high-pressure cleaning, a powerful wet and dry vacuum cleaner and an efficient sweeper from Kärcher help keep barns and yards in a perfectly hygienic condition. The risk of undesired carryover of germs and other pathogens is thus reduced to a minimum.

# 5 STEPS TO MAXIMUM BIOSAFETY

## 1. Coarse cleaning

As an initial step, it is recommended that coarse dirt and incrustations be soaked with ample water and removed mechanically.

## 2. Soaking time and high-pressure cleaning

An appropriate soaking time should be followed by the meticulous hot water high-pressure cleaning of all equipment parts, ceilings, walls and floors. This naturally pertains in particular to the sensitive calf area in order to guarantee the healthy development of future high-yield cows.

## 3. Cleaning the water and fodder supply

Unfortunately, drinking water pipelines and components of the fodder supply tend to suffer bacterial contamination very quickly and therefore require special attention. Our cleaning agents also assist here for optimal cleaning.

## 4. Drying time

The hot water cleaning reduces the drying times considerably compared with the use of cold water. Nevertheless, it is essential to plan sufficient time for drying before planned repairs or construction measures.

## 5. Disinfection

A germ-free start for the animals is guaranteed before they are reintroduced to the barn. Before disinfection, ensure that the ground and the areas to be disinfected are completely dry.

## IMPORTANT NOTE:

We also recommend carrying out steps 1-4 after every milking process. The milking parlour should be disinfected regularly, e.g. once a week.

## Please contact us for more information:

### Ahmedabad

Regus Business Centre,  
Office No-314,  
East Wing B Wing Privilon,  
3rd Floor, S.G. Highway.  
Ahmedabad-380 054  
Gujarat

### Hyderabad

Office No 446,448,449,  
1-10-39 to 44,  
Level 4-5, Gumidell,  
Commercial Complex.  
Old Airport Road, Begampet,  
Hyderabad-560 016.  
Telangana

### Kochi

Awfis Space Solutions,  
Mezhukkattil Matrix,  
Chittoor Road,  
Shenoys, Mullassery  
Canal Junction, Ernakulam  
Kochi- 682011

### Noida

A-42/4, Sector-62  
Noida-201 309,  
Uttar Pradesh

### Bengaluru

504 Stage, 4th Block, 1st.  
100ft Outer Ring Road  
(Service Road), HBR Layout  
(Near Vijaya Bank).  
Bangalore-560 043,  
Karnataka

### Indore

Regus - 718,  
7th Floor,  
Maloo - 01 Near Velocity,  
Ring Road Indore - 452010  
Madhya Pradesh

### Kolkata

4th Floor,  
Shree Manjari Building,  
8/1A. Sir William  
Janes Sarani  
Kolkata-700071.  
West Bengal

### Pune

Regus Platinum Towers  
Office No. 836, 8th Floor  
1 Naylor Road,  
Pune-411001.  
Maharashtra

### Chandigarh

Office No-433, Level-4,  
Tower A, Godrej eterna,  
Plot number 70.  
Industrial Area Phase-1  
Chandigarh-160 002

### Jaipur

Office NO.605, 6th floor.  
Tonk Road & 82  
Bypass Junction,  
Sector B-4, Near Airport,  
Jaipur-302018.  
Rajasthan

### Mumbai

A 206 & B 009.  
Punit Industrial Estate,  
TTC industrial Area,  
Thane Belapur Road,  
Turbhe,  
Navi Mumbai-400 705.  
Maharashtra

### Vadodara

CS, 3rd Floor,  
Alembic 1965.  
Alembic City,  
Gorwa-Alembic Road,  
Vadodara 390 003.  
Gujarat

### Chennai

No. 54.  
Alappakkam Main Road,  
Maduravoyal,  
Chennai 600 095

### Jamshedpur

Office No JSP-01  
Fair deal Complex,  
1st Floor, Main Road,  
Bistupur,  
Jamshedpur-831.001.  
Jharkhand

### Gurugram

GF-147-E Block,  
Sushant Shopping Arcade,  
Sushant Lok-1,  
Gurugram -122002,  
Haryana



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