

## **BÜFA CARE 4.0**

The new way of wet cleaning

# Content

## BÜFA CARE 4.0



### BÜFA CARE 4.0 – WASHING PROGRAMS

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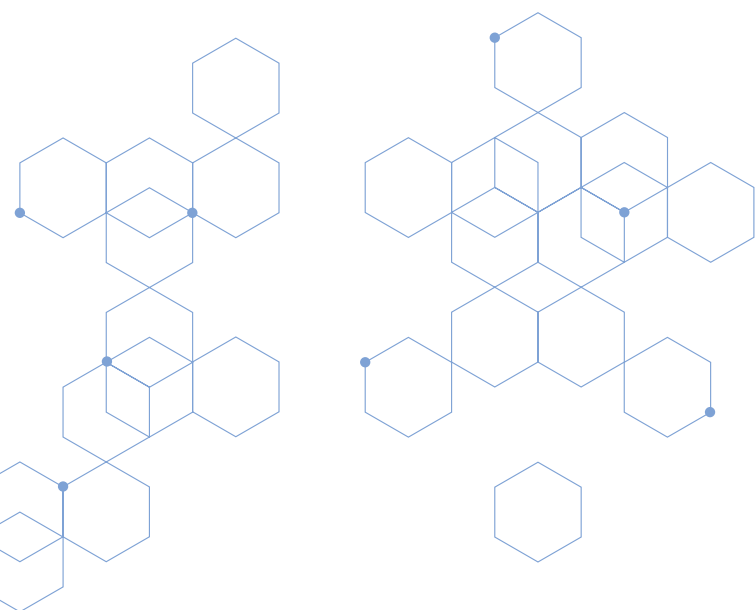
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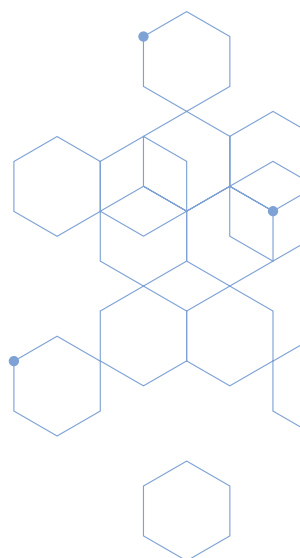
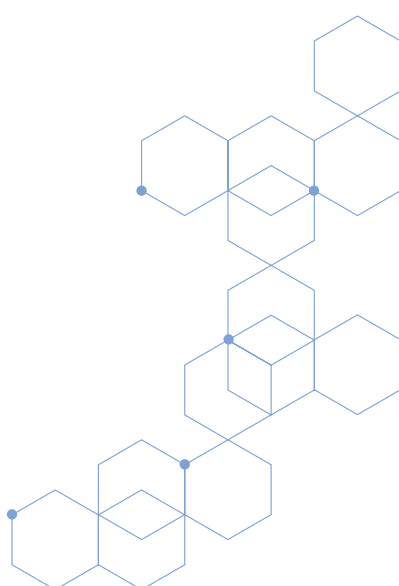
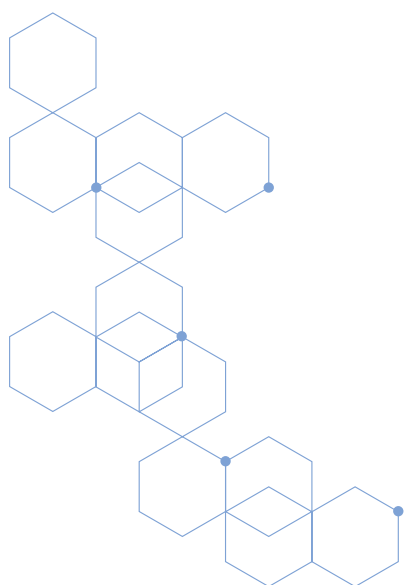
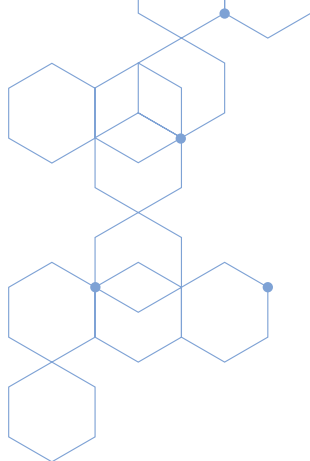
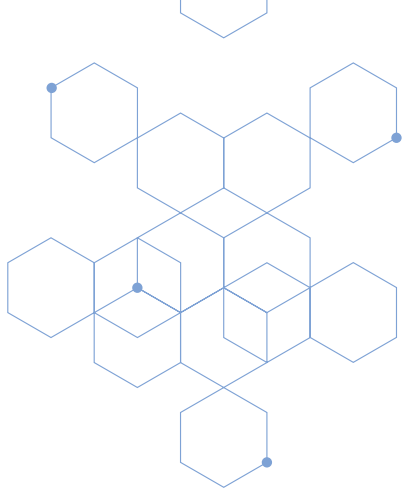


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# About us

BÜFA Cleaning is a medium-sized family business in the chemical industry with a 140-year history of success. As a globally active company, we specialise in the production of high-quality detergents and cleaning agents for textile hygiene. Our customers genuinely appreciate the quality of our products, the spirit of cooperation rooted in partnership, and our excellent service. Cleanliness, hygiene and value preservation characterise our activities throughout.

## Sustainability as a guiding principle

We attach the utmost importance to the careful use of resources. For this reason, we have also committed ourselves to sustainability in product development. This refers both to the responsible use of energy and water and to the efficient deployment of our products.

Industry certifications according to

- ISO 9001 (quality management) and
- ISO 14001 (environmental management)

are a matter of course for us.

## Globally networked

Our activities span the entire world market. National and international sales partners place their trust in our expertise and in the pioneering quality standard of our products, as well as our competent service.



## Comprehensive service

Our detergents and processes are specially tailored to the individual requirements of our customers. In order to ensure optimal product application for all cleaning solutions, we offer a detailed on-site consultation and service.









For gentle textile care

# BÜFA Care 4.0 – Wet cleaning

Sensitive materials such as wool, silk, viscose and cashmere require particularly gentle care. That is why we have developed the environmentally friendly and simultaneously effective Care 4.0 wet cleaning process. This is ideal for textiles marked with  or the hand-wash symbol (.

## The advantages of wet cleaning

Wet cleaning offers numerous advantages and is thus establishing itself as the preferred method in textile care.


-  **Straightforward procedure**  
All eligible batches can be processed. Sorting by fibre type and material composition is no longer necessary
-  **Colour retention**  
Wet cleaning preserves the luminosity and colour intensity of textiles
-  **Fresh scent and softness**  
The process leaves a fresh scent on the textiles and, at the same time, provides a pleasant soft touch.
-  **Gentle cleaning**  
Wet cleaning ensures the gentle care of delicate fabrics without damaging or fading them.
-  **Reduced creasing**  
The gentle wet-cleaning treatment minimises creases, which, in turn, significantly reduces the time needed for finishing
-  **Extremely economical**  
60 % of the maximum machine capacity is always utilised. At the same time, the use of products is reduced by up to 30% when compared to classic wet cleaning



30% MODALE-MODAL  
MODAL-MODAL  
20% VISCOSA-VISCOSE  
VISCOSA-VISCOSE  
20% COTTON-COTTON  
ALGODON-BAUMWOLLE  
15% POLIAMMIDE-POLYAMIDE  
POLIAMID-POLLAMIDA  
3% ELASTICA-ELASTANE  
ELASTAN-ELASTHANNE





A row of industrial washing machines in a laundry facility. The machines are dark grey with silver accents and have their circular doors open, revealing the internal drum. The scene is brightly lit, and the background is slightly blurred, showing more of the laundry area. A black plastic laundry basket is visible in the foreground on the right.

## With BÜFA Care 4.0 you can offer comprehensive solutions for all types of textiles

Whether outerwear, such as suits with a high wool content or superior cashmere items, high-quality washable clothing and linen from care facilities, including hotel and much much more – with BÜFA Care 4.0 everything can be taken care of.



# BÜFA Care 4.0 – Washing programs

8 specially coordinated wash programs and 6  
+ 2 optional BÜFA products ensure maximum  
effectiveness, hygiene and efficiency.



**Wet cleaning**



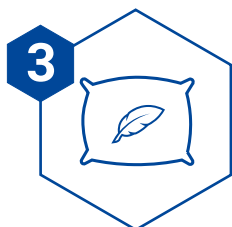
**Outerwear light**



**Evening dresses  
and curtains**



**Blouse and  
business shirts**



**Down and duvets**



**Hotel laundry**



**Outerwear dark**





**Kitchen and  
table linen**







## Wet cleaning

Delicate textiles made of wool, silk, viscose, cashmere and all washable items with care symbols  or  (hand wash) can be treated with wet cleaning. Only light and dark sorting takes place, no longer according to fibre type, material composition or weight.

If there are not enough items for wet cleaning, the batches are supplemented with other washable items. Approx. 60 % of the drum volume must always be utilized to ensure optimized cleaning. The ratio of water, chemicals and mechanical load is then optimally coordinated and the costs for a garment are reduced.

The following products are crucial for this wet cleaning programs:

### Ozerna Colour Green

Ozerna Colour Green is a highly effective liquid colour detergent for the professional care of washable outerwear, sportswear and linen from the hotel and catering industry. Ozerna Colour Green is tested according to EU Ecolabel. Based on a mixture of active ingredients composed exclusively of natural, renewable raw materials, it achieves cleaning results that were previously only possible with conventional detergents.



### Lizerna Carat

The textile finishing agent creates protection to sensitive fibres; prevents wool from matting, noticeably reduces wrinkling, is an odour absorber and helps prevents unpleasant odours.

### Lizerna Citro

A natural acid to lower the pH and neutralise detergents to give the best protection to textiles.

### Lizerna Protexer

Is a high-performance finishing agent critical to the successful BÜFA Care 4.0 process as it stabilises the textiles. It positively influences the drying process so that the takes just under 60 minutes.

### HOW THE WET CLEANING WASHING PROGRAM WORKS

The program sequence is designed for maximum protection of the materials. Drum standstill, water intake and the use of detergents are coordinated so that the protective function for the fibre is already active when mechanical processing begins. The optimum ratio of water and detergents enables a very good washing effect with a short mechanical load. By redefining the reversing cycles, it was possible to shorten the washing mechanics considerably. By modifying the parameters of the Sinner's Circle in the entire BÜFA Care 4.0 process, material conservation is considerable. In order to reduce the mechanical influences of the dryer and to achieve shorter drying times, spinning is at the highest speed as possible.

### DRYER PROGRAM

The BÜFA Care 4.0 standard program for drying was created with the highest possible fibre protection in mind. This is ensured by the skillful interaction to the parameters time, temperature and reversing. If required, additional residual drying in the open.

### FURTHER PROCESSING

As a rule, further processing is not a problem and is similar to that of post solvent cleaning or washing. Occasionally, more ironing is required for jackets and internal seams. Finishing equipment with a stretching function and good suction at the ironing board would facilitate processing.

Maximum protection  
on the fibres



### WEDDING DRESSES, EVENING DRESSES, CURTAINS

Textiles with applications, such as sequins, can be optimally treated in this programme. It is also ideal for curtains and drapes.







### **DUVETS, FEATHER BEDS, PILLOWS, DOWN JACKETS, SKI WEAR**

With feather beds and down jackets with a large volume, the washing machine is always fully loaded. This results in greatly reduced mechanical action. A short pre-wash followed by a spin removes some of the air and the optimum mechanical action is achieved during the subsequent wash. The neutral detergent Ozerna Colour Green achieves outstanding washing results. Lizerna Carat fibre protection ensures better regeneration of down during subsequent drying. This significantly shortens the drying time.



### **COLOURFUL WASHABLE TEXTILES**

The specially coordinated products ensure ideal washing results, optimal stain removal, colour protection and facilitates easier ironing. This programme would include, for example, coloured jeans, cargo trousers, sweatshirts, T-shirts, and hotel uniforms. Even personal protective equipment that is not too dirty can be cared for with this program.



### **WASHABLE TEXTILES WHITE/LIGHT**

The coordinated products ensure ideal washing results, fibre-friendly bleaching and facilitates easier ironing. In this category you will find, for example, light jeans, sweatshirts, T-shirts and also hotel uniforms.



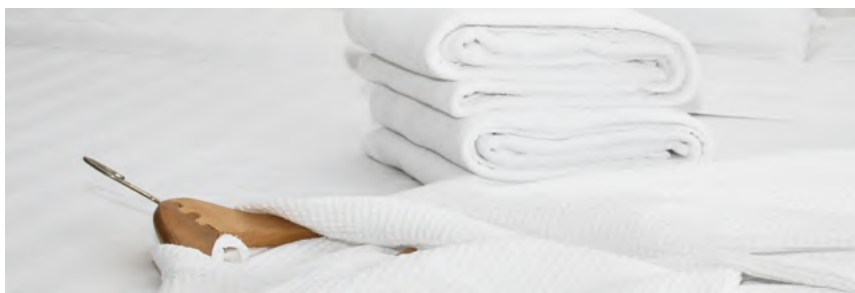
#### **BLOUSES AND BUSINESS SHIRTS WHITE/LIGHT**

For business shirts both cleanliness and optimum finishing is required for the perfect result. This is achieved with this special washing program. This program is also a very good alternative for treating more heavily soiled, lightly coloured textiles (fabric from program 5).



#### **HOTEL LAUNDRY**

This simple washing program can be used to treat all textiles from within hotels, in particular towels, bathrobes and bed linen. For heavily soiled goods, Oldopal Quick should be added directly to the first wash bath. This excellent washing power booster ensures the necessary cleanliness.



#### **RESTAURANT AND KITCHEN**

In this washing program you will find the most heavily soiled textiles, for example table linen, kitchen towels and work clothes from the kitchen area, etc. Therefore, this requires the most powerful process with a high washing temperature. Stains are effectively removed. If the textiles are very heavily soiled with fats and oils, we recommend adding Oldopal Quick to the first washing bath.





## Other products for BÜFA Care 4.0



### **Ozerna Bright Green**

Alkaline all-purpose detergent with optical brightener and excellent fat and protein dissolving power; highly effective already at 40 °C. Based on a mixture of active ingredients from natural, renewable raw materials, it achieves cleaning results that were previously only possible with conventional alkaline detergents. Thanks to its special surfactant combinations, the all-purpose detergent ensures high dirt removal even when the water quality is unfavourable. Ozerna Bright Green is tested according to EU Ecolabel and is part of the Ozerna Eco System, a fully Eco Label certified washing process.

### **Lizerna Synergy**

Innovative oxygen bleach to facilitate optimal stain removal. It is specially strong for treating against coloured stains, yet extremely gentle to the textile. Can also be used on colour stable textiles (e.g. table linen).

## For manual dosing we recommend the following supplementary products:

### **Oldopal Quick**

Highly effective fat solvent and ideal brushing-on agent; develops its full effect even at low temperatures.

### **Lizerna Aura**

Highly advanced linen finish with an encapsulated fragrance. In addition to ensuring a very pleasant feel, it provides the laundry with a long-lasting fragrance. Even after a prolonged storage time, the textiles still retains its pleasantly fresh fragrance.

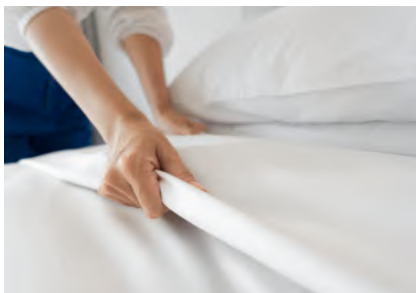
or

### **Lizerna Fresh**

Highly concentrated laundry deodorant for the effective treatment of laundry from retirement homes, restaurants, work linen as well as sportswear providing a mild long-lasting fresh scent, improve ironing and tangling properties.







# Disinfection process

## Hygienically clean laundry

By replacing Ozerna Colour Green with Ozerna Polar in combination with Lizerna Sept\*, washable coloured laundry can be washed with proven disinfection.

By replacing Ozerna Bright Green with Ozerna Diamond in combination with Lizerna Sept\*, washable whites can be washed with proven disinfection.

### Lizerna Sept\*



Liquid bleach and disinfectant that is hygienically effective, even at low temperatures. It is ideal as an additive to pre- and single-shot detergents to remove stubborn stains. Lizerna Sept is listed with the RKI (range A+B) in combination with Ozerna Diamond.

### Ozerna Polar



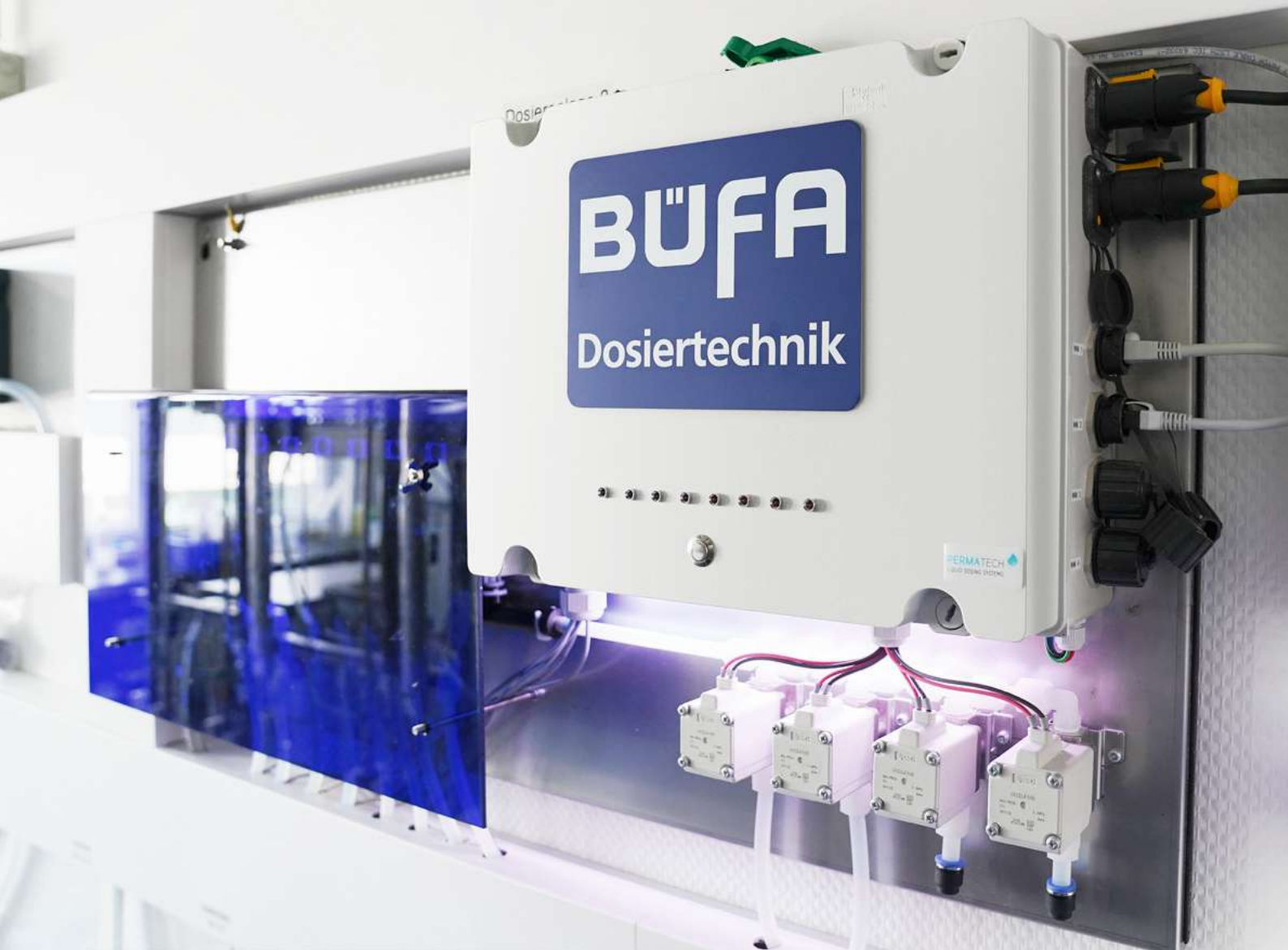
Highly effective low-temperature colour detergent for washable outerwear, sportswear and workwear (PPE) as well as laundry from the hotel and catering industry; it makes colours shine and leaves the laundry with a magical fresh fragrance. It is dermatologically tested. In combination with Lizerna Sept\* at 40 °C registered as a laundry disinfectant with the VAH and registered for listing (A+B) with the Robert Koch Institute.

### Ozerna Diamond



Highly concentrated, alkaline detergent with excellent washing power. The liquid product is characterised by very economical dosage and is gentle on materials. In combination with Lizerna Sept\*, Ozerna Diamond is listed as a laundry disinfectant by the Robert Koch Institute (areas A+B).

**\*Use biocides with care. Always read label and product information before use.**



Compact and space saving

## EvoClean dosing system

These compact, space-saving systems dose via Venturi nozzles (injector principle). This simplifies the operation enormously as this technology is practically maintenance free compared to peristaltic pumps which require regular maintenance and diaphragm pump replacement. Dosing takes place quickly with high accuracy. This significantly optimises detergent consumption. By downloading data from the dosing system key information can be obtained e.g. how often specific programmes have run. With this production data acquisition, you gain an accurate overview that supports you in your daily planning.



## The advantages of the EvoClean dosing system at a glance:

- Process reliability
- Operational reliability
- Operating cost savings

Consistent dosing reduces fabric loss and the return rate. This guarantees the highest process reliability.

The system and the pipes to the washing machines are always rinsed with water; no product remains in the hoses.

No hose or diaphragm replacement is required with a Venturi system; the dosing system is virtually maintenance free.

**We deliver the dosing system completely pre-assembled on a mounting plate!**



Thanks to the specially developed control of the water receiver barrel, the dosing system is basically pressure-free when not in operation. You minimise the risk of pressure surge or similar and their consequences.

Use of the water receiver barrel ensures constant dosing of the individual products. In addition, the water receiver barrel also serves as a “pipe separator” which is absolutely necessary when connecting the dosing system to the drinking water network.

The scope of delivery includes suction lances, an empty level indicator and a water storage barrel with a volume of 30 litres.



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