



Yukon



Flow-through systems



Pure Technology.

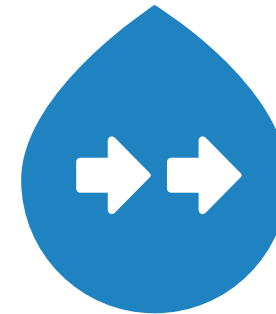
Customised cleanliness

Efficient cleaning despite increasing requirements for the technical cleanliness of products? Our solutions help you as a user to master this challenge. Each system is individually designed, because different customers can have very different requirements.

Our consulting and engineering staff can rely on their experience from numerous completed projects. Cleaning trials with original components at our Technical Centre give you as the user the reassurance of a safe investment for your facility while also determining the exact parameters for cleaning chemicals, time and temperature.

BvL systems deliver reliable cleaning for your components and can be integrated seamlessly into your production line. They are easy to operate and comply with the strict guidelines of the automotive industry. They are also designed in compliance with the Machinery Directive 2006/42/EC, C standard EN 12921 and the German Accident Prevention Regulations (UVV).

- Sturdy design & long service life
- Guaranteed cleaning success
- Intuitive operation
- Easy access for easy maintenance
- Quality components from renowned suppliers
- Quality "Made in Germany"
- Specialist firm in line with the German Water Management Act (WHG), certified management systems



Yukon
DAD | DAK | DAH | DAS



for high throughput

for continuous material flow

as in-line solutions

for integration into the
production process



Brief description

Yukon DA is a spray cleaning system for continuous material flow which is adapted to customer requirements. The parts pass through the successive treatment zones continuously (synchronised if required). Cleaning is carried out by guiding the parts past the fixed nozzle systems.

Basic system

Cleaning system:	spray cleaning with flat spray nozzles
Operating principle:	flow-through process
Number of tanks:	single-tank or multi-tank systems
Loading:	manual or automated
Housing:	stainless steel
Tank insulation:	stainless steel
Control and operation:	Siemens Simatic with Siemens touch panel
Bath monitoring:	Libelle Fluid Control

Speedy and individual.



Cleaning technology

- surrounding nozzle frame, offset nozzle arrangement allows cleaning from all sides
- separation of treatment zones reduces mixing
- nozzles and nozzle frames adapted to the component
- adaptation of useful dimensions, loads and pump capacities possible



Options and supplements

- Drying systems: air blast device, circulating air drying, vacuum drying
- Handling: workpiece holder, clamp, multi-track, with separate drives if required, adapted to on-site conveyor technology (chutes, roller conveyors, robot loading, automation)
- cleaning capacity adapted to customer requirements
- bath maintenance measures (e.g. filtration systems, oil separator)
- process reliability: Libelle Cleaner Control, Libelle Oil Control, Libelle Data Control, remote diagnosis
- cooling systems, degaussing systems
- floor drip tray
- other system components



Smart Cleaning

Intelligent cleaning with **BvL** apps and digital networking!
Transparent process information for predictive system diagnostics and maintenance: efficient and automatic.



Processing steps

The processing steps in successive treatment zones:

- spray cleaning – sequence of different wet treatment zones (washing, degreasing, phosphating, rinsing, passivating)
- drying



Two-lane mesh conveyor
for smaller, different components



Plastic conveyor
for sensitive component surfaces



Belt washing system

- material wound on coils
- on-site conveyor system



Chain conveyor
with bolted-on workpiece carriers and adapted nozzle system



Slat conveyors
for great loads



Adapted nozzles

for targeted inside cleaning and drying of holes



Overhead conveyor

- universal workpiece carrier system
- power and free conveyors



Versions and conveyor systems

The right system for any requirement: **BvL** flow-through systems adapt perfectly to your production process. We have the right conveyor system for your component, depending on size, geometry and weight. The nozzle systems are also customised to suit your components, ensuring thorough cleaning even in hard-to-reach places.

Sizes

Usable length, width and height as well as load capacity and tank volume are individually adapted.

System examples	Unit	Ex. 1	Ex. 2
Effective width	mm	250	2,000
Effective height	mm	100	800
Load capacity	kg	20	400
Tank volume 1	l	950	5,000
Tank volume 2	l	-	3,000
Tank volume 3	l	-	3,000
Tank volume 4	l	-	5,000
Tank volume 5	l	-	3,000
Total system length	mm	2,400	29,500
other technical data and on-site services on request			



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