

**WAGNER**

# Flexible for every wish.



**WAGNER 2K COMFORT**  
**Mixing and dosing system**

Intelligent mixing of up to 4 components.  
Highest reproducibility of mixing results.  
Permanently constant mixing quality.

[www.wagner-group.com](http://www.wagner-group.com)

# Mixing and dosing of the highest standard

The new **WAGNER 2K COMFORT** is ideal for multicolor applications.

- Automatic adaptation to changing working conditions
- Color change in less than a minute
- Saves up to 90% solvent when changing colors



WAGNER supplies machines, equipment, and systems for all areas of industrial surface coating. Our innovative products and solutions stand for quality, efficiency, and productivity.

The WAGNER 2K COMFORT is a new, electronically controlled mixing and dosing system for multicolor applications. Compared to WAGNER FlexControl Smart, up to 25 colors and 4 components can be processed simultaneously. For a highly efficient coating process, the equipment can be integrated into a fieldbus system.

- Simple, intuitive operation via integrated touch display or external PC
- Ideally suited for extensive coating requirements



# Unique highlights

These new functions of the WAGNER 2K COMFORT open completely new possibilities for an optimal mixing and painting process.



## Separate flushing

Waste can be reduced by 50% in comparison with conventional gun distribution valves. With the unique gun distribution valve of WAGNER, not only can two guns be operated separately from each other, but can also be flushed separately.



## Flow control

The flow control allows a simple automatic adjustment of the material flow rate to changing conditions.



## Data exchange

In order to transmit, for example, information to a robot or a higher-level control, the WAGNER 2K COMFORT can be integrated into a fieldbus system with a gateway.



## High voltage release

The WAGNER 2K COMFORT provides increased safety for personnel and equipment by enabling or disabling the WAGNER high voltage controller VM 5000.



## Further configuration options

Compared to the manual dilution of the material, time and money can be saved. The WAGNER 2K COMFORT allows the addition of a third or fourth component. Thus, for example, a highly viscous material may be diluted in real time with the third component.

### Color display with touchscreen

Intuitive menu navigation for a simple and time-saving communication between user and device.

### Fluid circulation

The optimized fluid circulation ensures highest effectiveness in the color change and flushing process with components specially developed for this purpose.

### Simple operation

Start, stop, flushing and recipe change - The robust controls can also be operated safely and easily with painting gloves.

### Software for process controlling

Transparency and effectiveness can be evaluated and verified by recording the process data with a PC software.

### Second fluid part

The two optional fluid parts can, for specific applications, reduce the investment costs and cycle times of the objects to be painted.

**WAGNER**  
2K COMFORT



### Optional operation

Comfortable and time-saving input of all parameters and recipes on an external computer or a mobile terminal device.

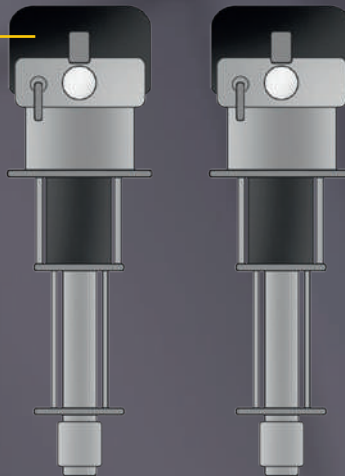
# For an optimal result

Decisive for a homogeneous mixture of the materials is the precise interaction of the measuring, dosing, and control unit of a 2K system.

With the new WAGNER 2K COMFORT, all components are optimally matched to ensure a homogeneous mixture with the highest reproducibility, even under changing conditions.

## Conveyance

Many standstills in a 2K system are not caused by the equipment itself, but rather by the feed pumps. The WAGNER IceBreaker pumps are particularly reliable and contribute to a long service life of the 2K system.



## Measuring

WAGNER can generate the right solution for you from two different systems for material flow measurement. You can choose between the gear flow meter and Coriolis flow meter. These two measurement systems can also be combined in one system.



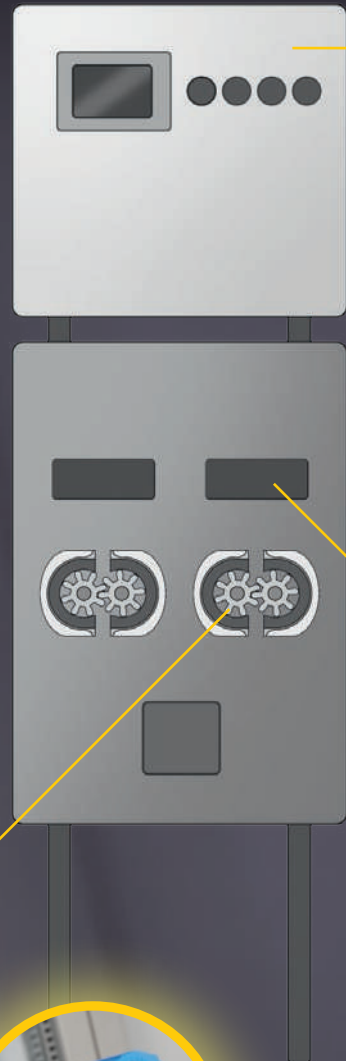
### Gear flow meter

- Fast reaction time



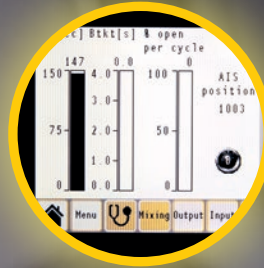
### Coriolis flow meter

- Low wear



## Control

The WAGNER 2K COMFORT has intelligent software controls that monitor the mixing results exactly at all times, and thereby enable consistent results and longer operating times.



Function "QB control" for monitoring the exact mixing ratio.



Function "Last A material" prevents sticking of the valve seat and thus avoids a standstill.

## Dosing

The B component is injected into the A component using a modern method. With the AIS system, the injection stroke is also automatically adjusted to the material flow. This ensures a worry-free mixing process.



## The AIS dispensing system from WAGNER, patent pending.

The AIS (Adaptive Injection System) regulates the maximum flow rate of the metering valve fully automatically. With the new WAGNER AIS, the B component is injected in smooth cycles, almost without interruptions. This results in a practically homogeneous addition of the B component even before mixing. When changing the amount of paint flowing through, the dosing system fully automatically ensures an optimal mixing ratio and a reliable, constant coating quality.

## The AIS functional principle



# Our system performs!

Technical data of the WAGNER 2K COMFORT at a glance:

Characteristics	Values
Mixing accuracy	± 1%
Mixing ratio	0.1 : 1 - 50 : 1
Material pressure	Max. 325 / 530bar <sup>1</sup>
Flow	50 - 7000 cc / min <sup>2</sup>
Components A	Max. 25
Components B	Max. 10
Components C	Max. 10
Components D	Max. 10
Flushing agent A	10
Flushing agent B	5
Flushing agent C	5
Flushing agent D	5
Guns	Max. 4
Material temperature	+ 5 °C - + 60 °C; +41 °F - +140 °F
Material viscosity	20 - 2200 mPas, depending on the flow meter
Workable materials	Water and solvent-based materials
Workable components	2K, 3K, and 4K
Dimensions (W x H x D)	Wall mount: 950 x 1700 x 350 mm Stand: 980 x 2010 x 580 mm

<sup>1</sup> Depending on the version  
<sup>2</sup> Depending on the flow meter

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