

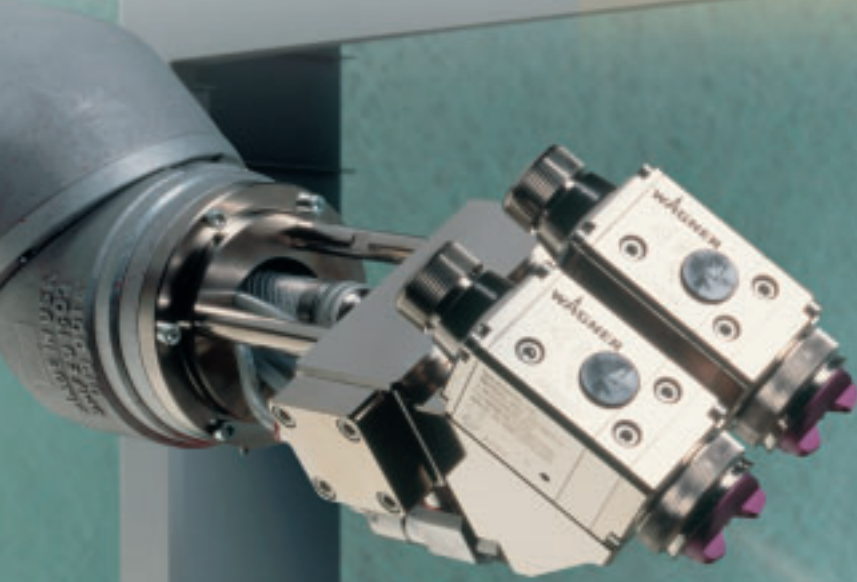
Simplest handling

Highest process reliability

Universal use

WAGNER mixing and dosing equipment

Precise and flexible!



WAGNER

Mixing and dosing equipment

Intelligent and innovative!

The demands for mixing accuracy, process reliability, surface quality, fast effective colour changes, a reduction in material consumption etc., in relation to multi-component coatings have increased enormously in the last few years.

- Intellimix 4
- Intellimix 3
- FlexControl plus
- FlexControl

With these mixing and dosing units WAGNER offers a powerful family of products which ideally suit the widest range of industrial applications.

2K / 3K technique for perfect surfaces!

The constantly increasing quality demands in industry, pressure on prices and from the competition and stricter environmental regulations also have an effect on equipment technology.

- **New materials**
2K and 3K materials such as high solids paints and water based paints are being used increasingly.
- **Maximum process reliability**
WAGNER mixing and dosing equipment guarantees a high level of mixing accuracy and thus a perfect surface finish.
- **Economical and environmentally friendly**
The reduction in the consumption of material and flushing fluid, plus fast effective recipe changes and cleaning, reduce the costs and provide rapid amortisation of the investment.
- **Maximum convenience**
Depending on the type of plant, WAGNER offers a wide variety of technical features – from touch screen operation right up to connection with the primary operational data recording systems.

Intellimix 4



FlexControl

FlexControl plus



Customized performance or universal use?

The type of application, the number of paints, hardeners and solvents being used, are important parameters in the design of a mixing and dosing system. To keep the investment as low as possible the WAGNER mixing and dosing systems are modular in build so that retrofitting additional options as part of the plant specification is also possible later.

The table below provides you with an initial decision aid on which system is right for you. WAGNER always has the system best suited to your application.

You should always get comprehensive advice from our specialists!

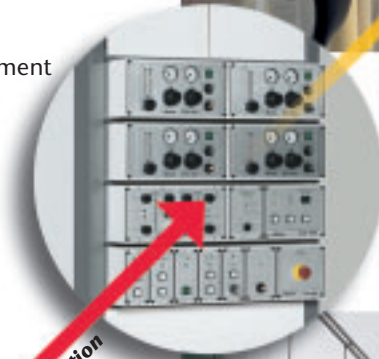
Feeding, mixing, controlling, applying

As a specialist company, operating worldwide, WAGNER offers the whole range of equipment and components for industrial surface finish technology.

- **Feeding**
High pressure and low pressure pumps
- **Mixing**
Mixing and dosing equipment
- **Controlling**
Controller systems to customized requirements
- **Applying**
From guns of every type right up to high-speed rotary atomisers



Controlling:
The WAGNER Modular Painting System – the ideal entry into automatic coating



Automatic application

Manual application



Feeding:
We even design and build complete paint supply systems



Intellimix 3



	No. of paints	No. of hardeners	Material pressure from to bar			Material requirement Litres per day		Ideal for ...
			0.5–8	0.5–270	0.5–400	<100	>100	
Intellimix 4	1–25	1–25	■			■		automatic applications with air atomising guns or high-speed rotary atomisers, customized solutions and complex system solutions with central control.
Intellimix 3	1–20	1–5		■	■		■	universal use for automatic and manual applications in all application variants.
FlexControl plus	1–12	1–3		■		■		versatile use in automatic and manual applications, almost unlimited possibilities in the incorporation of peripheral equipment, simple operation.
FlexControl	1–5	1–2		■		■		manual applications in all application variants. The best alternative to mechanical 2K systems with the simplest operation.

The individual high-end solution

Intellimix 4

This electronic high-tech system, with separate control and fluid cabinets, is **ideal for complex automatic painting processes** and is **configured to the customer's requirements**.

Mixing, controlling, applying: Thanks to the powerful electronics **superordinate functions** can also be controlled with Intellimix 4.

The wide variety of **automatic applications, parts sensing, reciprocator** etc., can be individually programmed through digital interfaces (Profibus, Ethernet).

Control cabinet

Fluid cabinet



Highest accuracy

- Siemens PLC controller
- Recipe memory for up to 25 paints and 25 hardeners
- Individually programmable flushing programs
- Gear pumps for dosing precise quantities
- Continuous combination of A and B components

Simplest handling

- Mixing and dosing process plus superordinate controls for automatic applications, parts sensing etc., in a compact installation
- 12" colour LCD display, touch screen with optimal user guidance and visualisation of the equipment parameters
- Separate control and fluid cabinet

Options

- Up to 5 independent 2K circuits
- Profibus, Ethernet interface
- Robot communication
- Actual/Target comparison for quantity monitoring
- VOC recording
- And other options

Materials

- Solvent and water based PUR/ Epoxy 2K and 3K paints
- 2K adhesives
- Special paints such as e.g. Hydro Soft paint

Automatic applications

- SupraCoat
- Air atomisation
- Electrostatics
- Evobell

Technical data Intellimix 4

Permissible material pressure	0.5 – 8 bar 7.3 – 116.0 psi
Mixing ratio	1:1 – 25:1
Mixing accuracy	+/- 1%
Max. flow rate	10 – 1200 cc/min 0.6 – 73.2 cin/min
Max. no. of A products	25
Max. no. of B products	25
Max. no. of C products	1
Max. no. of flushing fluids	as required
Viscosity	up to 1000 MPa
Input voltage	80 – 240 V 50 – 60 Hz

Universal and powerful Intellimix 3

Intellimix 3 is **extremely powerful** and is designed for **high flow rates** and the **use of several guns**.

Whether **manual or automatic applications** – with a working pressure of up to 400 bar, this unit covers a **very wide spectrum of use** in respect to the materials applied.

As with the Intellimix 4, the **control and fluid cabinets are separate**. This allows short routes to the point of application and reduces the loss of materials to a minimum when flushing.

Control cabinet

Fluid cabinet



Highest accuracy

- Siemens PLC controller
- Recipe memory for up to 20 paints and 5 hardeners
- High precision, fast cycling hardener valve
- Individually programmable flushing programs
- Monitoring of the mixing process
- Operating data can be documented

Simplest handling

- 6" flat screen, touch screen with optimal user guidance and visualisation of the operating data
- Fast, simple colour changes
- Stainless steel colour change valves
- Separate control and fluid cabinet

Options

- 2 independent fluid and mixing circuits (e.g. solvent and water based paints)
- Entry for level control
- Separate pot life monitoring (for 2 guns)
- Expansion modules for additional paint recipes and functions
- Robot communication
- Mass flow measurement
- Gun flush box
- VOC recording
- And other options

Materials

- Solvent based 2K and 3K paints and adhesives
- Water based 2K and 3K paints and adhesives

Manual and automatic applications

- SupraCoat
- Air atomisation
- AirCoat
- Airless
- Electrostatics

Technical data Intellimix 3

Permissible material pressure	0.5 – 250 resp. 0.5 – 400 bar 7.3 – 3625.9 resp. 7.3 – 5801.5 psi
Mixing ratio	0.1:1 – 20:1
Mixing accuracy	+/- 1%
Max. flow rate	50 – 4000 resp. 500 – 10000 cc/min 3.1 – 244.1 resp. 30.5 – 610.2 cin/min
Max. no. of A products	20
Max. no. of B products	5
Max. no. of C products	1
Max. no. of flushing fluids	5 A, 5 B
Viscosity	up to 5000 MPa
Input voltage	80 – 240 V 50 – 60 Hz

The all round genius FlexControl *plus*

Even more paints, even more possibilities – The **FlexControl *plus*** will convince you with its range of extra features.

With great ease of operation the FlexControl *plus* offers **almost unlimited possibilities** in use, application and incorporation of peripheral equipment.

Thanks to its modular build this equipment can be individually **expanded and extended**.



For use in Ex protected areas the system can be separated into control cabinet (1) and an Ex fluid section (2).



Highest accuracy

- Siemens PLC controller
- Recipe memory for up to 12 paints and 3 hardeners
- 10 individually programmable flushing programs
- Monitoring of the mixing process
- Operating data can be documented

Simplest handling

- 4" flat screen, touch screen for entry and control of all functions
- Fast, simple colour changes
- Stainless steel colour change valve with circulation exclusion (option)

Options

- Expansion modules for additional paint recipes and functions
- Robot communication
- Mass flow measurement
- Level monitoring
- VOC recording
- Gun flush box
- Reduced flushing fluid consumption due to air/solvent flushing (low-pressure)
- Separation of control and fluid cabinet
- And other options

Materials

- Solvent based 2K and 3K paints and adhesives
- Water based 2K and 3K paints and adhesives

Manual and automatic applications

- SupraCoat
- Air atomisation
- AirCoat
- Airless
- Electrostatics

Technical data FlexControl *plus*

Permissible material pressure	0.5 – 270 bar 7.3 – 3916.0 psi
Mixing ratio	0.1:1 – 50:1
Mixing accuracy (hardener component)	+/- 1%
Max. flow rate	10 – 3000 cc/min 0.6 – 183.1 cin/min
Pot life alarm with automatic shut-off	with pre-alarm
Max. number of paints	12 A, 3 B
Max. no. of flushing fluids	4 A, 2 B
Viscosity	up to 10000 MPa
Input voltage	80 – 240 V 50 – 60 Hz

The perfect introduction FlexControl

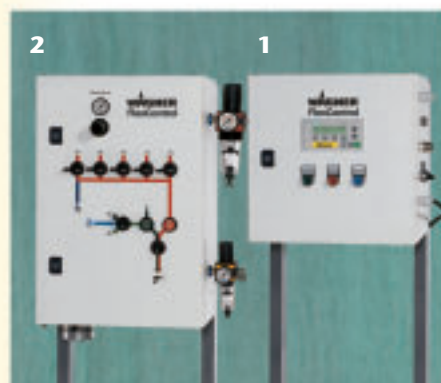
The FlexControl will convince you with its **highly interesting price-performance ratio** and as an alternative to mechanical units, provides the **ideal introduction to the automation** of mixing and dosing processes.

The **menu guidance** allows extremely simple, operator friendly handling of the **electronic controller**.

The **flow rate measurement** guarantees the highest precision in mixing accuracy.



For use in Ex protected areas the system can be separated into control cabinet (1) and an Ex fluid section (2).



Highest accuracy

- Siemens PLC controller
- Special mixing technique for the homogeneous mixing of base components and hardeners
- Monitoring of the mixing process
- Stop function with error message when the tolerance limits are exceeded

Simplest handling

- Two line entry and memory display for mixing ratio, processing time, filling and flushing quantities
- Only three buttons for Start, Stop and Flush. Everything else is taken over by the automatic controller.
- Fast, simple colour changes

Options

- Processing of 3K materials
- Remote control for spray booths (Ex design)
- Reduction in the amount of flushing fluid due to special air/solvent flushing
- Separation of control and fluid cabinet
- And other options

Materials

- Solvent based 2K and 3K paints and adhesives
- Water based 2K and 3K paints and adhesives

Manual applications

- Air atomisation
- AirCoat
- Airless
- Electrostatics

Technical data FlexControl

Permissible material pressure	0.5 – 270 bar 7.3 – 3916,0 psi
Mixing ratio	1:1 – 20:1
Mixing accuracy (hardener component)	+/- 1%
Max. flow rate	10 – 3000 cc/min 0.6 – 183.1 cin/min
Pot life alarm with automatic shut-off	with pre-alarm
Max. number of paints	5 A, 1 B (2 Option)
Max. no. of flushing fluids	1 A, 1 B
Viscosity	up to 2000 MPa
Input voltage	80 – 240 V 50 – 60 Hz

Accessories and more

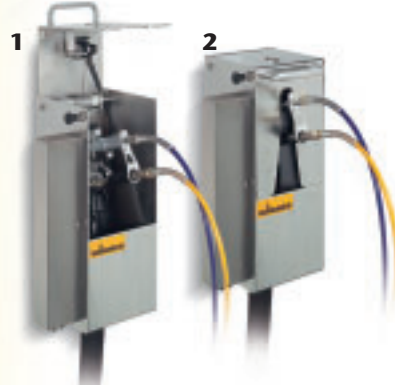
Airless guns



AirCoat guns



Gun flush box



Gun flush box

This important accessory considerably simplifies the cleaning of manual guns. Hang gun into the box (1); close the lid (2). The flushing process takes place automatically due to the flushing program stored in the mixing and dosing system, or also manually. Gun adapters available for all current gun types.

PUMA 8-300



LEOPARD 35-70



COBRA 40-10



colora ZIP 52



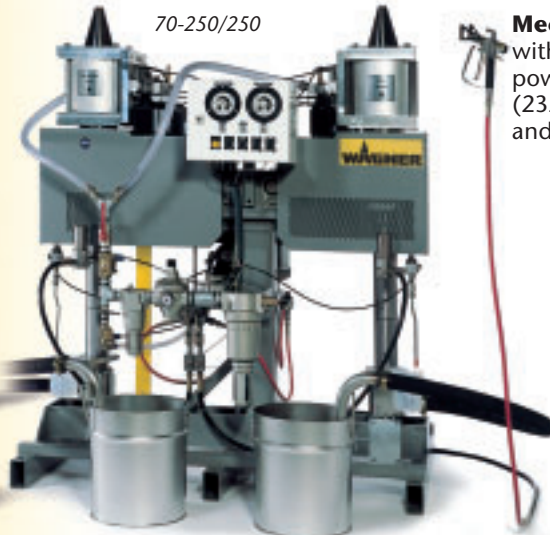
WAGNER offers an extensive range of pumps

- Low pressure piston pumps
- High pressure piston pumps
- Low pressure double diaphragm pumps
- High pressure double diaphragm pumps

48-90/40



70-250/250



Mechanical 2K units

with integral feed pumps in various power classes from 160 to 520 bar (2320 to 7540 psi), for high viscosity and abrasive materials

WAGNER

www.wagner-group.com

