

## Zip 52 Finishing | Perfect Flow

DOUBLE DIAPHRAGM PUMPS FOR AIRSPRAY APPLICATION

- Excellent finishing quality
- High reliability
- Versatile and economic



# WAGNER Airspray - Perfect finishing for high quality surfaces

## WAGNER Airspray technology

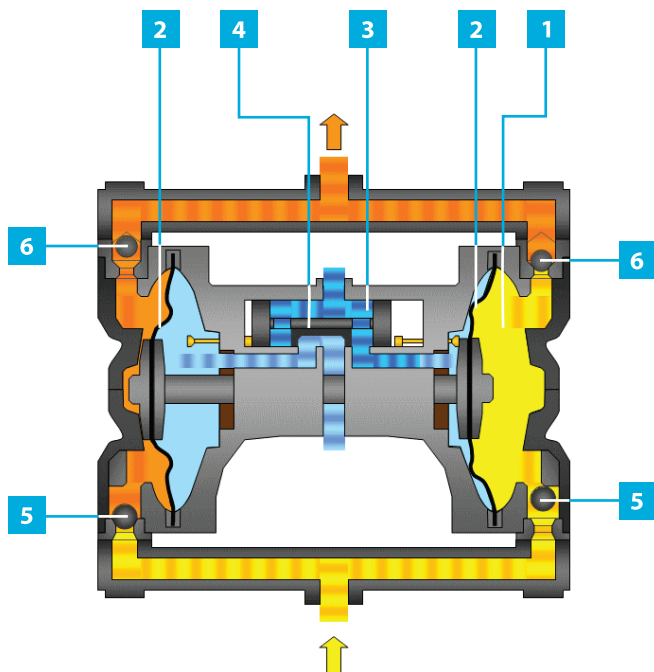
In the Airspray process, the paint is atomized entirely by air. The task of the pump is to feed the gun with a constant flow of materials.

Zip pumps are perfect for Airspray applications. Whether you are using thick high viscosity material, shear sensitive or thixotropic, heat critical paints or just ordinary coatings, Zip finishing equipment meets all the expectations of a professional painter.



## Zip 52 technology

Two coupled diaphragms (2) are moving from the left to the right and back by help of pressurized air (3). The steering valve (4) guides the air to the side where the diaphragm is moved to contract the fluid chamber (1). Material is being transported by contraction and expansion of the fluid chamber volume and the inlet- (5) and outlet valves (6).



- 1 Pumped material / material chamber
- 2 Long life diaphragm
- 3 Pressurized air
- 4 Steering valve
- 5 Material inlet valve
- 6 Material outlet valve

## Great advantages for your business

### Zip 52 finishing & Zip 52 Eco Perfect Flow: Designed for your needs!



#### Wood Finishing



#### Metal Finishing



#### Plastic, Leather and Textile Finishing



#### TYPICAL APPLICATIONS

If you have to stop to refill your cup gun or pressure pot often, then it is time to think about a professional feeding system. Zip52 Finishing and Zip52 Eco Perfect Flow are perfect solutions for continuous feed of manual and automatic applications in the following markets:

- Wood and furniture industry
- General metal industry
- Plastic finishing
- Leather and textile application
- Glass coating

#### TYPICAL FLUIDS

- Stains, primers and fillers
- Base- and clearcoats
- Solvent- and waterbased paints
- 2K materials
- High solid materials
- UV-paints
- Metallic paints
- Special effect paints
- Glues, adhesives

High quality surfaces guaranteed!

## Zip 52 Finishing

Zip52 Finishing meets the highest expectations in surface coating quality. The Fine Flow Controller (FFC) with the integrated material filter, guarantees the smoothest material transportation.

### 1 High-performance double diaphragm pump

The extremely reliable, durable, yet compact design of the pump makes it suitable for manual or automatic as well as multiple gun applications. Special long life diaphragms enable the pump to run at high speeds and attain high performance standards for long periods of time without damage.

**WAGNER**  
Airspray

### 2 Easy and comfortable

All control and adjustment elements are positioned on the front control panel for comfortable operation.

### 3 No pulsation

Pump pulsations are reduced close to zero with the innovative Fine Flow Controller. The FFC regulates the material pressure precisely and constantly. This allows the paint to circulate in the container while spraying to prevent sedimentation.

### 4 Modular

The basic unit can be completed with a variety of mounting options: stand, trolley or wall mounting bracket.



## Zip Eco Perfect Flow

For materials like heavy primers, glues and thick materials, Zip Eco Perfect Flow works without the fluid regulator yet still with minimum pulsations. Available as an option.







Precise flow rates without pulsation

## Fine Flow Controller FFC

The WAGNER Fine Flow Controller (FFC) 3-in-1 is a patented fluid regulator with an integrated material filter. The excellent regulating characteristic combined with the anti-pulsation effect of the filter chamber, guarantees a very precise and almost pulsation free material flow. The absence of any dead spaces enables quick color change and low consumption of flushing fluids and less waste material.



### THE UNIT COMES COMPLETE WITH:

- 1 Large material filter**  
Filters out any debris, which helps the longevity of the pump. The large filter extends the time needed between changes, thus reducing down-time.
- 2 Air regulators**  
Pump is equipped with air-regulators and atomizing air-regulator.
- 3 Flexible suction hose & 4-legs stand**

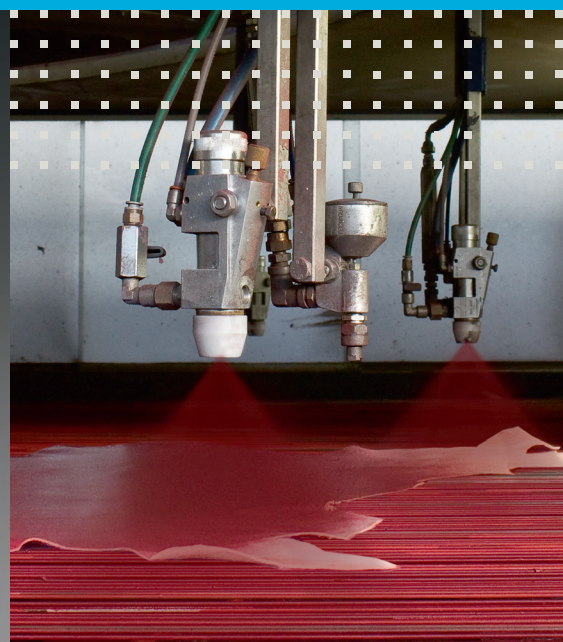
The FFC maintains a regular and pulsation-free flow, ideal for maximum finishing quality and precise application.

- Less internal dead space means easier, faster and cheaper cleaning and color changes.
- Multi-gun applications such as automatic sprayers, carousels, reciprocators and robots can be used with the FFC.

# Zip 52 Finishing / Zip 52 Eco Perfect Flow - A modular system

## A modular system for maximum flexibility

The WAGNER Zip 52 Finishing and the Zip 52 Eco Perfect Flow is a complete modular system. A wide range of mounting equipment, Airspray guns, hose packages, fine flow controllers, fluid regulators and special material filters, make these units perfect for almost all kinds of application needs.



### 1 Mounting equipment

A variety of mounting equipment is available for Zip 52 Finishing including stand, trolley, wall mounting or drumcovers.

### 2 Guns

There is a wide range of manual and automatic Airspray guns for all your application needs. The guns are available in conventional Airspray, medium pressure, HVLP and HVLP plus.

### 3 Hose packages

Material hoses and air hoses are available separately as well as complete hose packages pre-configured in different lengths.

### 4 Fine Flow Controllers & Anti-Pulsation Tanks

A wide range of fluid regulators, fine flow controllers and anti-pulsation tanks are available (see our accessory catalog).

### 5 Material Filters

Specially designed material filters are available for premium filter performance and easy, fast changing.

### 6 Hopper Kit

A special 5l hopper kit is available. Ideal for customers handling many color changes and small quantities.



# The right finishing unit for your purpose

## Select your finishing unit

### Zip 52 Finishing

For premium surface quality this unit is completely equipped with air regulator, fine flow controller and atomizing air regulator.

### Zip 52 Eco Perfect Flow

The finishing unit is used for Airspray applications. Equipped with air regulators, atomizing air regulator, large filter and the anti-pulsation tank instead of FFC.



#### Technical Data

### Fine Flow Controller

Technical Data	FFC
<b>Wetted parts (standard version)</b>	consital, stainless steel, PTFE, PP
<b>Wetted parts (stainless steel version)</b>	stainless steel, PTFE, PP
<b>Max. material inlet pressure</b>	14 bar, 203 psi
<b>Regulated pressure</b>	0.5 - 8 bar, 7 - 116 psi
<b>Material connection</b>	2 x G 1/4"-F BSP
<b>Air connection</b>	G 1/8"-F BSP

#### Technical Data

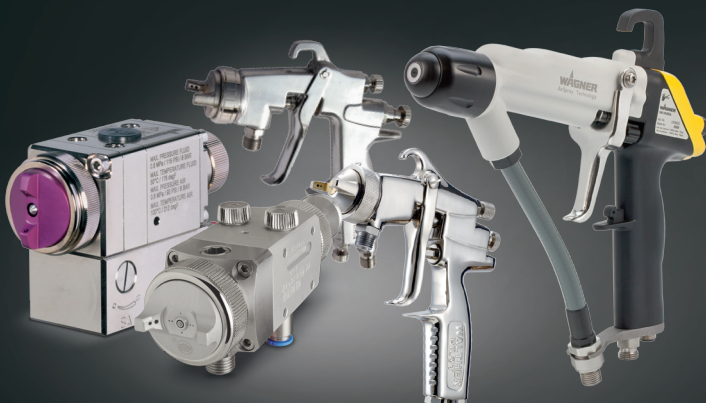
### Zip 52 Finishing / Eco PF

Technical Data	Zip 52 Finishing	Zip 52 Eco PF
<b>Pressure ratio</b>	1:1	1:1
<b>Max. material pressure</b>	8 bar, 116 PSI	8 bar, 116 PSI
<b>Max. air pressure</b>	8 bar, 116 PSI	8 bar, 116 PSI
<b>Air connection</b>	G 1/4"	G 1/4"
<b>Material connection</b>	G 1/2"	G 1/2"
<b>Wetted parts</b>	Stainless steel / Aluminum / PTFE/PPS	
<b>Volumetric flow (per double stroke)</b>	108 cm <sup>3</sup> , 6.59 in <sup>3</sup>	65 cm <sup>3</sup> , 3.97 in <sup>3</sup>



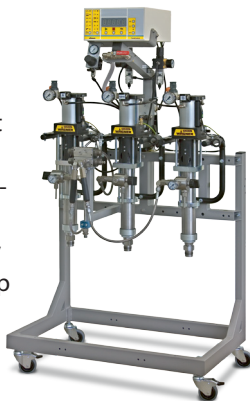
# WAGNER Airspray guns

WAGNER offers a wide range of manual and automatic Airspray guns, as well as guns for electrostatic applications. Most of these guns are available for conventional Airspray, medium pressure, HVLP and HVLP plus. A variety of nozzles and AirCaps enables the application of almost any kind of materials.



## 2-K Capability

The WAGNER TwinControl is a unique system that can handle 2-K materials. The mobile unit is precise, compact and easy to handle. The automatic flushing process make the unit economical. The low pressure TwinControl is perfect for many different materials with Airspray applications. It has a mixing ratio from 0.1:1 up to 20:1 and a flow rate up to 3.6 l/min.



Low pressure diaphragm pumps

## WAGNER Zip pumps

The ZIP pneumatic double diaphragm pumps were designed specifically for a reduction in air consumption coupled with better performance and maximum reliability. The exclusive design and the broad application spectrum enable its use for corrosive, abrasive and highly viscous liquid media. ZIP pumps cover a broad application spectrum, including the feeding of paint supply systems; feeding and circulation of printing ink, solvents, paints, chemicals and oils; the disposal of liquid waste; the supply of low-viscosity adhesives; and filling/emptying of tanks, drums and containers.

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