



EvoMotion

HIGH PRESSURE PISTON PUMPS

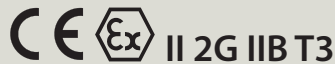


- Efficient
- Reliable
- Versatile

Evolution in Motion

EvoMotion pumps by WAGNER are an attractive product line used to feed a wide variety of solvent- and water-borne coatings. The fluid sections are manufactured from sturdy stainless steel. For this reason EvoMotion pumps are extremely robust, durable, reliable and low-maintenance. The EvoMotion high-efficiency air motor creates smooth working conditions to ensure the best possible finishing results

- 1 High efficiency**
EvoMotion air-motors have excellent staying power and are very efficient in converting air pressure into extremely consistent material flow for superior coating results.
- 2 Low Operating Cost**
Fluid sections are constructed entirely of stainless steel. Self-adjusting packing and thick hard chrome plated moving parts reduce wear to a minimum. The motor is practically maintenance-free and does not require regular lubrication.



- 3 High Flexibility**
All units can be used for AirCoat as well as for Airless applications. Accessories for any application needs are easily attached due to the modular nature of the unit.
- 4 APT**
The **Anti Pulsation Technology** is the combination of a low friction, stall-free steering valve and the anti-pulsation-tank in order to guarantee smoothest spraying conditions even with difficult materials.
- 5 Clean Operation**
The easily accessible separating agent cup provide a good lubrication of the piston and keep the piston clean from particles. Due to this, the pump works reliable and durable even with reactive materials.



High pressure atomizing technologies

Airless and AirCoat

WAGNER EvoMotion Piston pumps are the appropriate choice for any kind of high pressure atomizing technology. They are readily equipped with all necessary connections and components for Airless or AirCoat applications.



AIRLESS

FOR FUNCTIONAL COATINGS

Atomization is achieved by "pumping" high pressure fluid through an orifice. Ideal for applying thick layers and coating large surfaces. Ensures fast application speed and high transfer efficiency. Excellent for corrosion protection coatings. Fluid pressure up to 500 bar.



AIRCOAT

FOR SUPERIOR FINISH QUALITY

Atomization is achieved by a combination of Airless and Air Spray technologies. AirCoat combines the advantages of both, resulting in premium surface quality, high transfer efficiency and fast application speed. Ideal for a very wide range of applications from wood finish to industrial vehicle and metal construction coating. Fluid pressure up to 250 bar and air pressure up to 2.5 bar..



Product Overview



EvoMotion selection table

Technical Data

		AIRCOAT	AIRCOAT	AIRLESS
		EvoMotion 20-30S	EvoMotion 40-15S	
Piston pump				
Pump ratio		20 : 1	40 : 1	
Max. working pressure	[bar]	160	280	
Double-stroke volume	[cm ³ /DS]	30	15	
Max. delivery rate	[L/min]	1,8	0,9	
Air pressure (min/max)	[bar]	2,0/8,0	2,0/7,0	
Air supply	internal thread	8 mm	8 mm	
Material inlet	internal thread	G ½"	G ½"	
Material outlet	external thread	¼" NPS	¼" NPS	
Packing material		PE/T	PE/T	
Max. number of guns	Nozzle 0,009"	3	1	
Max. number of guns	Nozzle 0,013"	1	–	
Max. number of guns	Nozzle 0,017"	–	–	

ANTI-PULSATION-TANK

The APT tank contains a large material filter available in various mesh sizes. Filter volume and the integrated check valve drastically reduce the pulsation effect to allow an exceptionally smooth spray pattern. This is standard equipment with the bigger EvoMotion pumps and optional for the small EvoMotion 20-30S and 40-15S.



Durable and mobile

Ready to Spray

WAGNER offers a wide selection of different spray packs for AirCoat and Airless applications. Mounting equipment can be selected from a list of options..



- 1 Guns**
Wide range of WAGNER AirCoat or Airless guns, aircaps and nozzles for a superior spray pattern.
- 2 Hoses**
New WAGNER AirCoat twin hoses. Soft and extremely flexible for optimal working comfort.
- 3 Anti-pulsation tank, recirculation valve**
Stainless or carbon steel, selected depending on material demands..

- 4 Suction systems**
Select between rigid suction pipe, flexible suction hose and 5L hopper – all fully ATEX compliant.
- 5 Mounting equipment**
Due to the modular design of the pump a wall bracket, stand or trolley can be utilized. Pump support is not included in the spray pack with a fluid section below 65cc.

Expertise in application

The WAGNER spray-gun program optimally combines economical coating with superb surface quality. We offer manual and automatic guns for Airless, AirCoat and air atomization processes, with or without electrostatic support and optional high speed rotary atomizers.



WAGNER IceBreaker pumps

Exceptionally reliable

WAGNER combines the patented IceBreaker motor with both piston and diaphragm pumps. Exceptional attributes: due to their intelligent internal geometry and quick exhaust valve, motor ice formation does not occur. Therefore, a low pulsation flow of material and ideal coating results are guaranteed. In combination with long durability and low maintenance costs, WAGNER IceBreaker pumps are a reliable solution for all paint supplies.

Competence in 2K

The WAGNER TwinControl is an unique system to handle 2K-Materials. The mobile unit captivating with its precision, compactness and its easy handling. The automatic flushing process makes the unit economical. The TwinControl is perfect for many different materials with Airspray, AirCoat and Airless application.



www.wagner-group.com

Further information on EvoMotion and a wide variety of accessories such as air caps, nozzles and hoses can be found in the Complete WAGNER Catalog.

