

# Power play every time.



**IceBreaker-PC**  
**High-pressure piston**  
**pumps**

Perfect application for protective coatings.  
Reliable operation at maximum performance.  
Extremely robust and easy to handle.

## Full power, optimum corrosion protection

The **WAGNER IceBreaker-PC** high-pressure piston pumps

- Powerful technology for thick coatings
- Reliable – even under tough conditions
- Durable and robust construction





WAGNER offers devices, equipment and systems for all areas of industrial surface coating. Our innovative products and solutions stand out in terms of their quality, efficiency and productivity.

WAGNER has developed the single-component IceBreaker-PC spray systems for heavy-duty corrosion protection. A consistent solution for extreme challenges, even under the toughest of conditions.

- Maintenance-free control with very little pulsation for outstanding spray quality – even during continuous operation.
- Ideal for thick film corrosion protection – even when applying large amounts of material and using several guns.
- Extremely robust, reliable and easy to maintain in everyday use.





## Well equipped for heavy-duty protective co

Tough conditions? You can rely on the powerful **WAGNER IceBreaker-PC** high-pressure piston pumps.



### High pressure

Large fluid section with up to 300 cm<sup>3</sup> double stroke volume ensure low piston speed and high dynamic pressure. Perfect for processing abrasive materials, such as zinc powder paints.



### Extra large valve

The pump inlet valve with its extra large valve diameter of 45 mm makes reliable intake possible at all times. One tap with a hammer is all that is needed for rapid disassembly for cleaning – it doesn't get any easier than that.



### Maximum intake rates

The 38 mm (1½") wide and very flexible suction hose provides with extra large inlet valves maximum intake rates. This is an unbeatable benefit, especially for highly viscous materials. The quick-release fastener makes light work of maintenance and cleaning.



### Storage options

The RackCaddy provides space to store material hose, gun, and suction hose. The accessories for any application can be accommodated with ease.



### Robust and sturdy

The RackCaddy is extra-robust. An integrated bracket simplifies transport by crane. The RackCaddy provides all-round protection for the pump and accessories – even if the device is dropped! The large wheels with solid rubber tires mean that transport to the usage location requires little fuel.



# Coating

## Very easy to use

The integrated 3-way main valve allows a soft start and automatic pressure relief to be controlled with ease.

## RackCaddy

Handy "all-round protection" for pump and accessories. Robust and sturdy for tough environments.

## IceBreaker air motor

Performance not affected in any way by icing in the event of high air humidity. The full-pressure reversing device ensures zero-compromise performance.

## Zero-compromise fluid section

Designed to process modern, high-solid protective coating materials. Large valve cross-sections and self-adjusting "long-life" packings for use with highly viscous and abrasive materials.

## Additional air filter

The filter protects the air motor from poor air quality at the point of use and ensures reliable operation.

## Suction hose

Large and very flexible 1½" suction hose with quick coupling for optimum intake rates followed by simple cleaning.



## Well prepared right from the start

Select the right **WAGNER IceBreaker-PC** high-pressure piston pump for your individual area of work and requirements.

### How to select the right pump:

#### 1. Calculate the flow you need:

Take the number of guns, coating thickness needed, operating speed and desired spray width to calculate the material required per minute. If the paint manufacturer specifies a particular nozzle size, this provides the resultant material flow.

#### 2. Calculate the material pressure you need:

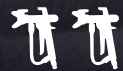
The paint manufacturer will provide recommendations for the spray pressure needed at the gun. Depending on viscosity, material hose length and diameter, you must add the pressure loss in the hosing to calculate the pressure needed at the pump outlet.

#### 3. Select your pump

Flow and pressure ranges recommended for the pumps can be found in the table to help you select the right pump. These are approximate values and are not guaranteed.

### Example:

Flow per gun: 1.1 liters/min.  
Number of guns:



Spray pressure according to manufacturer: 240 ...260 bar  
Pressure loss at 15m hosing: approx. 60 bar  
Material pressure required at pump output: 300 ...320 bar

Right selection: **Jaguar 75 - 150**  
or  
**Jaguar 55 - 200**

Pumps	Leopard 48 - 110	Jaguar 75 - 150	Jaguar 55 - 200	Tiger 72 - 300
Max. material pressure	380 bar	530 bar	440 bar	530 bar
Double stroke volume	110 cm <sup>3</sup>	150 cm <sup>3</sup>	200 cm <sup>3</sup>	300 cm <sup>3</sup>
Flow at 60 DH/min.	6.6 liters/min.	9.0 liters/min.	12.0 liters/min.	18.0 liters/min.
Max. supply air pressure	8.0 bar	7.1 bar	8.0 bar	7.4 bar
Material inlet (intake)	M36	1 ½ "	1 ½ "	1 ½ "
Material outlet (pressure side)	G ¾ " thread	G ½ " thread	G ½ " thread	G ½ " thread
Recommended flow rate	0.5 ... 2 liters/min.	0.7 ... 3 liters/min.	1 ... 4 liters/min.	1.5 ... 6 liters/min.
Recommended material pressure	150 ... 300 bar	200 ... 400 bar	150 ... 350 bar	200 ... 450 bar
<b>Areas of application</b>	<b>Small to medium areas</b> <b>Medium viscosity</b>	<b>Medium to large areas</b> <b>High viscosity</b>	<b>Large areas</b> <b>High viscosity</b>	<b>Very large areas</b> <b>Very high viscosity</b>
Zinc powder paint, iron mica		•	•	•
Flame protection materials		•	•	•
Thick film materials			•	•
Anti-fouling	•	•	•	•
Bitumen		•	•	•
High-solid materials			•	•
Solvent-based materials	•	•	•	•
Water-based materials	•	•	•	•



# What more could you want?

It goes without saying that you also receive all suitable components, such as suction and material hose, gun, nozzle, and additional air filter etc. for your basic system. For immediate use, we also provide fully configured spray pack systems.



## G15 airless gun

Extremely robust for tough applications. With ProfiTip nozzle and holder and large choice of nozzles with various bore and spray widths.



## Material hoses

DN 6 ( $\frac{1}{4}$ " ) and DN 10 ( $\frac{3}{8}$ " ) with whip hose for the best handling.



## Air filter

1" air filter to protect the air motors from poor compressed air quality. Is fitted with protection in the trolley.



## Material heater

Professional continuous flow heater for better material flow properties and constant coating quality. Fitted with protection in the trolley.

## Want to work with 2-K? No problem!

WAGNER also provides suitable 2-K TwinControl mixing systems for heavy-duty corrosion protection. Compared with material mixed by hand, this system offers huge savings in terms of material, time, and resources — and does so with perfect mixing and surface quality.



## Ready for action...

### WAGNER spray packs for immediate use:

#### 1. Basic spray packs

Pump fitted on trolley with high-pressure filter and return.

#### 2. Spray packs ready for spraying straight away

Pump fitted on trolley with high-pressure filter, return, suction/material hose, gun, nozzle and additional air filter.

	Leopard 48-110			Jaguar 75-150			Jaguar 55-200			Tiger 72-300		
Spray pack Components	Pump individual	Spray pack Basic	Spray pack Complete	Pump individual	Spray pack Basic	Spray pack Complete	Pump individual	Spray pack Basic	Spray pack Complete	Pump individual	Spray pack Basic	Spray pack Complete
Pump	•	•	•	•	•	•	•	•	•	•	•	•
Trolley		•	•		•	•		•	•		•	•
High-pressure filter		•	•		•	•		•	•		•	•
Return pipe		•	•		•	•		•	•		•	•
Supply air filter (1")						•			•			•
Suction hose DN 25 (1")			•									
Suction hose DN 38 (1½")						•			•			•
HP material hose DN6, 10 m			•									
HP material hose DN10, 15m with whip hose DN6						•			•			•
Airless gun G 15AL			•			•			•			•
ProfiTip nozzle, size			517			521			521			521
Weight	36 kg			53 kg			53 kg			80 kg		

J. Wagner GmbH  
Industrial Solutions  
D-88677 Markdorf  
**Tel. +49 (0) 7544 505 - 0**  
Fax +49 (0) 7544 505 - 1200



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

J. Wagner AG  
Industrial Solutions  
CH-9450 Altstätten/SG  
**Tel. +41 (0) 7544 71 - 7572211**  
Fax +41 (0) 71 7572323

