WAGNER

Industrial Solutions

IceBreaker HP piston pumps

- Tremendously powerful
- High economy
- Universal use

Pneumatic IceBreaker HP piston pumps
Pure power!

Tiger, Leopard, Puma, Wildcat... With these high pressure piston pumps, WAGNER covers the entire spectrum of industrial and contracting applications.

Whether it's a window-making company or a shipyard, low viscosity lacquers or high viscosity 2-component corrosion proofing paint – this range leaves nothing to be desired!

Through their high pressure intensification, WAGNER high pressure piston pumps convert energy to maximum performance.

Their large power reserves are highly effective in practice and exert the pressure required for a **low-pulsation material flow** and thus for **brilliant atomization**.

IceBreaker air motors

Decisive advantages for practical use!

1 Minimal icing thanks to intelligent internal geometry
2 Solid control housing with integrated silencer
– Safety valve prevents over-pressurization
– Pneumatic control unit without pneumatic oil
– Very low pulsation for a smooth spray jet
3 **Compact integrated pressure regulator**

WAGNER IceBreaker® MOTOR

Maintenance-friendly fluid sections

Greater efficiency due to easy maintenance and fast cleaning!

– Optimized inlet valve for simple manual assembly without tools
4 Easy-to-clean release agent chamber
– Rapid packing change without special tools
– Easily replaced: 5 large inlet and 6 outlet valves for optimum material flow

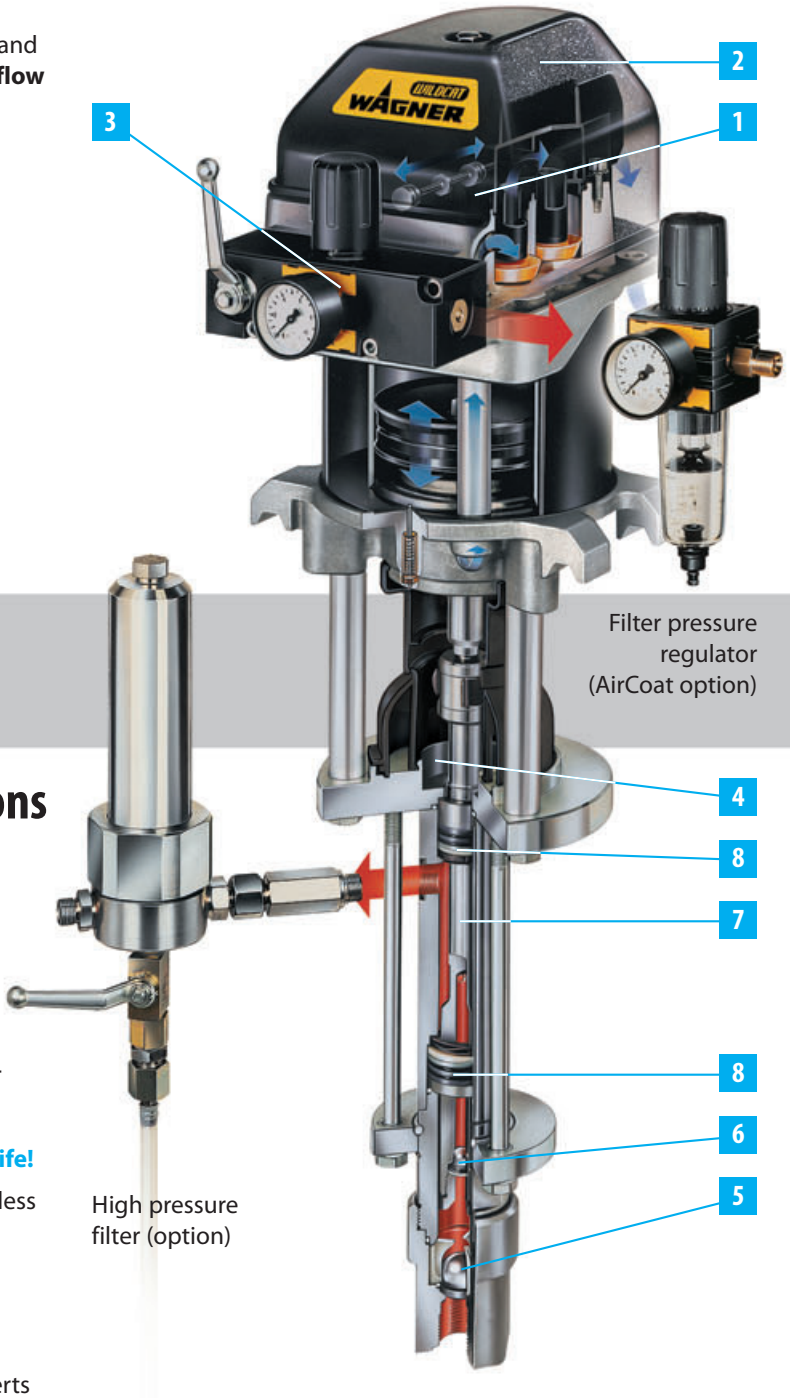
Stainless steel construction for low wear and long life!

– All pump parts in contact with paint are made of stainless steel
– Tungsten carbide valve seats
7 Hard-chromed pump piston
8 Static, self-adjusting packings
– High pressure filter (option) with replaceable filter inserts

3-year long-term warranty!*

Further convincing proof for the reliability and quality of WAGNER piston pumps

*excluding wear parts



Filter pressure regulator (AirCoat option)

High pressure filter (option)

WAGNER IceBreaker pumps are in compliance with ATEX regulations and the CE standard.

Spot on performance for individual use!

WAGNER high pressure piston pumps come in a variety of types, sizes and performance classes – from the small Wildcat to the powerful Tiger.

Delivery rate of 18/1.1 to 300/18.3 cm³/cin (volumetric flow per double stroke)

Working pressure of 80/1160 to 530/7687 bar/psi (max. operating overpressure)

When choosing the right pump, many factors need to be considered along with the delivery rate and pressure:

- **Application technique**
- **Number of guns being supplied**
- **Hose length and delivery head**

And of course the type of materials being applied all play a very important role.

The following pages present the full range of high pressure piston pumps with their most important performance data.

You can obtain further information from the product information sheets or have your WAGNER specialist advise you individually on your particular needs.

Tiger 72-300

AREAS OF APPLICATION

High performance pumps for Airless coating in steel construction, shipyards, offshore industry, wagon building, tank and container construction; suitable for extremely long hose runs

MATERIALS

High viscosity, high solid content, water- and solvent-based, e.g. primers, top coats, fillers, epoxy and polyurethane lacquers, oils, wood impregnation agents, emulsions, building paints, flame-proofing, zinc primers

Technical data

Pump ratio	72:1
Volumetric flow per double stroke	300 cm^3 18.3 cin
Volume at 40 double strokes	12 l/min 0.42 cfm
Volume max. free discharge	40 l/min 1.41 cfm
Max. operating overpressure	530 bar 7687 psi
Air inlet pressure	7.4 bar 107 psi
Air consumption per DS at 6 bar/87 psi	170 nl 6.00 scf
Noise pressure level at 6 bar air pressure	80 dB(A)
Max. nozzle size at 150 bar	0.052"

Jaguar 38-300

AREAS OF APPLICATION

Universally usable pump for Airless and AirCoat use in manual and automatic applications in many different industries; suitable for several guns

MATERIALS

Low to high viscosity, water- and solvent-based, e.g. primers, top coats, fillers, epoxy and polyurethane lacquers, oils, wood impregnation agents, emulsions, building paints, flame-proofing

Technical data

Pump ratio	38:1
Volumetric flow per double stroke	300 cm^3 18.3 cin
Volume at 60 double strokes	18 l/min 0.64 cfm
Volume max. free discharge	45 l/min 1.59 cfm
Max. operating overpressure	270 bar 3916 psi
Air inlet pressure	7.1 bar 103 psi
Air consumption per DS at 6 bar/87 psi	80 nl 2.82 scf
Noise pressure level at 6 bar air pressure	81 dB(A)
Max. nozzle size at 150 bar	0.052"

Jaguar 75-150

AREAS OF APPLICATION

For Airless coating in steel construction, shipyards, offshore industry, wagon building, tank and container construction; suitable for extremely long hose runs

MATERIALS

High viscosity, high solid content, water- and solvent-based, e.g. primers, top coats, fillers, epoxy and polyurethane lacquers, oils, wood impregnation agents, emulsions, building paints, flame-proofing, zinc primers

Technical data

Pump ratio	75:1
Volumetric flow per double stroke	150 cm^3 9.2 cin
Volume at 60 double strokes	9 l/min 0.32 cfm
Volume max. free discharge	30 l/min 1.06 cfm
Max. operating overpressure	530 bar 7687 psi
Air inlet pressure	7.1 bar 103 psi
Air consumption per DS at 6 bar/87 psi	80 nl 2.82 scf
Noise pressure level at 6 bar air pressure	81 dB(A)
Max. nozzle size at 150 bar	0.043"

Leopard 18-300

AREAS OF APPLICATION

Universal usable pump for AirCoat use in manual and automatic applications in the wood and furniture industry, metal working operations; suitable for several guns and for paint supply systems

MATERIALS

Low to high viscosity, water- and solvent-based, e.g. primers, top coats, fillers, epoxy and polyurethane lacquers, oils, wood impregnation agents, emulsions, release agents

Technical data

Pump ratio	18:1
Volumetric flow per double stroke	300 cm^3 18.3 cin
Volume at 60 double strokes	18 l/min 0.64 cfm
Volume max. free discharge	50 l/min 1.77 cfm
Max. operating overpressure	138 bar 2002 psi
Air inlet pressure	7.7 bar 112 psi
Air consumption per DS at 6 bar/87 psi	37.3 nl 1.32 scf
Noise pressure level at 6 bar air pressure	78 dB(A)
Max. nozzle size at 150 bar	0.052"

Leopard 35-150

AREAS OF APPLICATION

For the Airless, AirCoat and electrostatic coating in the wood and furniture industry, metal working operations; suitable for several guns

MATERIALS

Low to high viscosity, water- and solvent-based, e.g. primers, top coats, fillers, epoxy and polyurethane lacquers, oils, wood impregnation agents, emulsions, release agents

Technical data

Pump ratio	35:1
Volumetric flow per double stroke	150 cm^3 9.2 cin
Volume at 60 double strokes	9 l/min 0.32 cfm
Volume max. free discharge	35 l/min 1.24 cfm
Max. operating overpressure	270 bar 3916 psi
Air inlet pressure	7.7 bar 112 psi
Air consumption per DS at 6 bar/87 psi	37.3 nl 1.32 scf
Noise pressure level at 6 bar air pressure	78 dB(A)
Max. nozzle size at 150 bar	0.043"

Leopard 35-70

AREAS OF APPLICATION

For Airless, AirCoat and electrostatic coating in the wood and furniture industry, metal working operations, steel construction, transport industry

MATERIALS

Low to high viscosity, water- and solvent-based, e.g. primers, top coats, fillers, epoxy and polyurethane lacquers, oils, wood impregnation agents, emulsions, adhesives, spraying plasters

Technical data

Pump ratio	35:1
Volumetric flow per double stroke	70 cm^3 4.3 cin
Volume at 60 double strokes	4.2 l/min 0.15 cfm
Volume max. free discharge	35 l/min 1.24 cfm
Max. operating overpressure	250 bar 3626 psi
Air inlet pressure	7.1 bar 103 psi
Air consumption per DS at 6 bar/87 psi	18.6 nl 0.66 scf
Noise pressure level at 6 bar air pressure	74 dB(A)
Max. nozzle size at 150 bar	0.031"

Puma 15-150

AREAS OF APPLICATION

For AirCoat and electrostatic coating in the wood and furniture industry, metal working operations; suitable for several guns

MATERIALS

Low to medium viscosity, water- and solvent-based, e.g. primers, top coats, fillers, epoxy and polyurethane lacquers, oils, wood impregnation agents, release agents

Technical data

Pump ratio	15:1
Volumetric flow per double stroke	150 cm^3 9.2 cin
Volume at 60 double strokes	9 l/min 0.32 cfm
Volume max. free discharge	35 l/min 1.24 cfm
Max. operating overpressure	120 bar 1740 psi
Air inlet pressure	8 bar 116 psi
Air consumption per DS at 6 bar/87 psi	16.5 nl 0.58 scf
Noise pressure level at 6 bar air pressure	77 dB(A)
Max. nozzle size at 150 bar	0.043"

Puma 15-70

AREAS OF APPLICATION

For AirCoat and electrostatic coating in carpentry and joinery shops, the wood and furniture industry, metal working operations

MATERIALS

Low to medium viscosity, water- and solvent-based, e.g. primers, top coats, fillers, epoxy and polyurethane lacquers, oils, wood impregnation agents, release agents

Technical data

Pump ratio	15:1
Volumetric flow per double stroke	70 cm^3 4.3 cin
Volume at 60 double strokes	4.2 l/min 0.15 cfm
Volume max. free discharge	35 l/min 1.24 cfm
Max. operating overpressure	120 bar 1740 psi
Air inlet pressure	8 bar 116 psi
Air consumption per DS at 6 bar/87 psi	8.3 nl 0.29 scf
Noise pressure level at 6 bar air pressure	74 dB(A)
Max. nozzle size at 150 bar	0.031"

Puma 28-40

AREAS OF APPLICATION

For Airless, AirCoat and electrostatic coating in carpentry and joinery shops, the wood and furniture industry, metal working operations

MATERIALS

Low to medium viscosity, water- and solvent-based, e.g. primers, top coats, fillers, epoxy and polyurethane lacquers, oils, wood impregnation agents, emulsions, release agents

Technical data

Pump ratio	28:1
Volumetric flow per double stroke	40 cm^3 2.4 cin
Volume at 60 double strokes	2.4 l/min 0.08 cfm
Volume max. free discharge	18 l/min 0.64 cfm
Max. operating overpressure	224 bar 3249 psi
Air inlet pressure	8 bar 116 psi
Air consumption per DS at 6 bar/87 psi	8.3 nl 0.29 scf
Noise pressure level at 6 bar air pressure	74 dB(A)
Max. nozzle size at 150 bar	0.023"

Wildcat 18-40

AREAS OF APPLICATION

For AirCoat and electrostatic coating in carpentry and joinery shops, the wood and furniture industry, metal working operations

MATERIALS

Low to medium viscosity, water- and solvent-based, e.g. primers, top coats, fillers, epoxy and polyurethane lacquers, oils, wood impregnation agents, emulsions, release agents

Technical data

Pump ratio	18:1
Volumetric flow per double stroke	40 cm^3 2.4 cin
Volume at 60 double strokes	2.4 l/min 0.08 cfm
Volume max. free discharge	18 l/min 0.64 cfm
Max. operating overpressure	144 bar 2089 psi
Air inlet pressure	8 bar 116 psi
Air consumption per DS at 6 bar/87 psi	5.3 nl 0.19 scf
Noise pressure level at 6 bar air pressure	74 dB(A)
Max. nozzle size at 150 bar	0.023"

Wildcat 10-70

AREAS OF APPLICATION

For AirCoat and electrostatic coating in carpentry and joinery shops, the wood and furniture industry, metal working operations

MATERIALS

Low to medium viscosity, water- and solvent-based, e.g. primers, top coats, fillers, epoxy and polyurethane lacquers, oils, wood impregnation agents, emulsions, release agents

Technical data

Pump ratio	10:1
Volumetric flow per double stroke	70 cm^3 4.3 cin
Volume at 60 double strokes	4.2 l/min 0.15 cfm
Volume max. free discharge	35 l/min 1.24 cfm
Max. operating overpressure	80 bar 1160 psi
Air inlet pressure	8 bar 116 psi
Air consumption per DS at 6 bar/87 psi	5.3 nl 0.19 scf
Noise pressure level at 6 bar air pressure	74 dB(A)
Max. nozzle size at 150 bar	0.031"

22-18 S

AREAS OF APPLICATION

For Airless, AirCoat and electrostatic coating in carpentry and joinery shops, wood and metal working operations, locksmith's shops and contracting paint shops; especially suited for the application of small quantities

MATERIALS

Low to medium viscosity, water- and solvent-based, e.g. primers, top coats, release agents, oils, wood impregnation agents

Technical data

Pump ratio	22:1
Volumetric flow per double stroke	18 cm^3 1.1 cin
Volume at 60 double strokes	1.08 l/min 0.04 cfm
Volume max. free discharge	3.5 l/min 0.12 cfm
Max. operating overpressure	176 bar 2553 psi
Air inlet pressure	8 bar 116 psi
Air consumption per DS at 6 bar/87 psi	3 nl 0.11 scf
Noise pressure level at 6 bar air pressure	75 dB(A)
Max. nozzle size at 150 bar	0.009"

The BIG WAGNER – Accessories and more!

FEEDING

WAGNER offers a wide range of accessories for the IceBreaker HP piston pumps, including hoses, suction systems, base stands, drum lifting equipment, agitators and more.

Whether AirCoat, Airless or electrostatic, mobile or stationary – you can find a comprehensive spray pack program in our large catalog, the BIG WAGNER.

MIXING

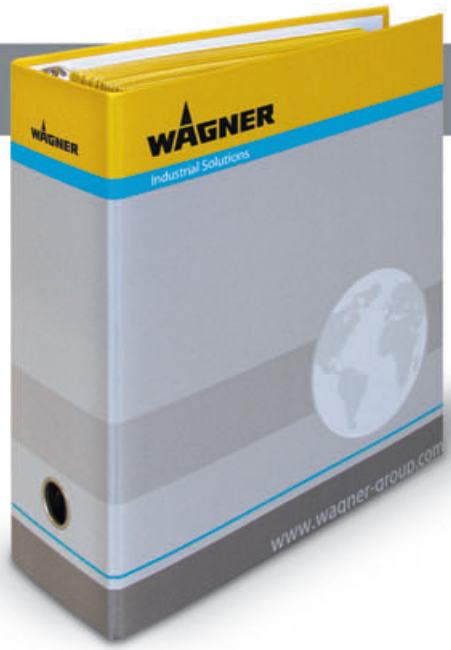
Ideally trimmed to the individual needs and desires of customers, WAGNER offers a series of high precision, powerful mixing and dosing systems.

APPLYING

In this chapter you will find all guns and their associated accessories, such as jets, filters, etc.

CONTROLLING

In the BIG WAGNER, we also present products for controlling, moving and more.



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www.wagner-group.com

Printed in Germany · Subject to alterations · GB · 9124011 · 08/2007 TW