

The unique WAGNER Cobra high-pressure double diaphragm pump is ideal for airless and AirCoat applications up to 250 bar and can be used for a wide range of materials.



Rapid amortization

The extremely small volume and high stroke frequency offer great savings potential:

- Less than half the amount of flushing agent required in contrast to a comparable piston pump
- Significant time savings during flushing
- Quick and easy color change
- Low maintenance costs due to low wear

High reliability

Stable and durable diaphragms and the packing-free design of the paint section ensure reliable results even under the most difficult working conditions. Cooling of the hydraulic system by the exhaust air from the air motor ensures uniform temperature and viscosity of the hydraulic oil.

High pump speed

The recommended operating speed for piston pumps is max. 30 DH/min. The Cobra can be operated at 200 DH/min without any restrictions. This means that the volume of the paint stage can be reduced enormously while maintaining the same high delivery rate.



Low pulsation

Compared to normal piston or bellows pumps, the special technology of the double diaphragm pump in combination with the small displacement ensures extremely low pulsation and a uniform material flow. The result is a perfect spray pattern and high surface quality.

Unique Cobra technology

Minimum solvent consumption

Drastic reduction of solvent consumption during flushing due to small displacement and minimal dead space volume.

Proven technology

WAGNER IceBreaker air motor with automatic venting and soft-start function.

Diverse suction systems

Various hoppers and suction hoses are available.



Easy handling

With integrated relief valve and circulation.

High reliability

Particularly durable diaphragms and carbide inlet valves.

Excellent surface quality

Minimal pulsation and a uniform material flow ensure a homogeneous spray pattern.



CE Ex II 2G II X

Cobra 40-10

The Cobra 40-10 is ideally suited for the use of up to four guns (up to approx. 2 l/min) and for frequent color changes. It can be used for applications in the wood and furniture industry, in carpentry and joinery businesses as well as in the metal industry. The pump is also ideal for feeding basecoat or hardeners for 2K systems.



Cobra 40-25

The Cobra 40-25 is designed for applications with up to eight guns or flow rates of up to 5 l/min. It is ideally suited for supplying automatic painting systems in the wood and metal industries, as well as in leather coating. Due to its design, the Cobra 40-25 is also excellently suited for conveying sensitive 2K materials.



Cobra 2K: Ideal for processing of polyester lacquers

Cobra 2K is the perfect solution for polyester materials with a mixing ratio of 1:1, which are used, for example, in the coating of furniture, musical instruments or in boat building.

The pump is available with base frame, wall mount or trolley and is fully equipped with a double suction system, mixer and valves.

Advantages of the Cobra 2K

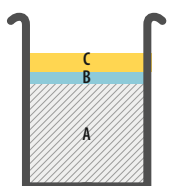
- Only the actual material requirement is freshly mixed
- The pack-free design prevents friction and is therefore maintenance-friendly and durable
- Easy cleaning
- Suitable for AirCoat and airless applications - low overspray, high application efficiency



Preparation of polyester for Cobra 2K

Manual mixing

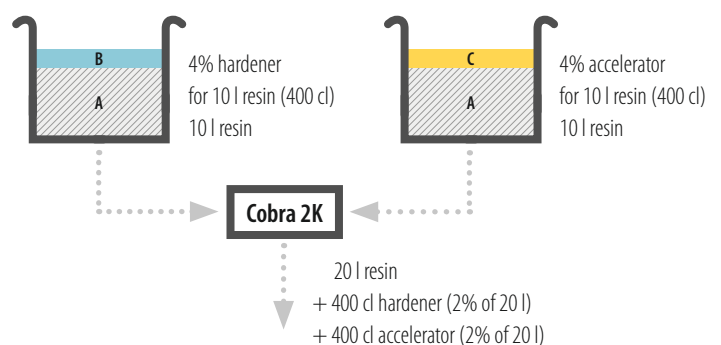
In manual mixing, all ingredients are premixed in a container.



2% accelerator for 20 l resin (400 cl)
2% hardener for 20 l resin (400 cl)
20 l resin

Mixing with Cobra 2K

The resin is divided into two containers of 10 l each, hardener and accelerator are added accordingly.



Technical data

Characteristic	Cobra 40-10	Cobra 40-25
Transmission ratio	40:1	40:1
Material pressure	250 bar	250 bar
Volume flow per double stroke	10 cm ³ /DS	25 cm ³ /DS
Stroke rate max.	200 DS/min	200 DS/min
Volume flow per 200 strokes	2 l/min	5 l/min
Material inlet	M36x2 - A	M36x2 - A
Material outlet	G 3/8" - A	G 3/8" - A
Air inlet pressure	2.5 bar - 6 bar	2.5 bar - 6.25 bar
Compressed air connection	G 1/2" - I	G 1/2" - I
Material temperature	10 °C - 80 °C	10 °C - 80 °C
Material pH value	3.5 - 9 pH	3.5 - 9 pH
Weight	19 kg	32 kg

Technical data

Characteristic	Cobra 2K
Fixed mixing ratio	1:1
Mixing accuracy	+/- 10%
Material pressure	250 bar
Volume flow per double stroke	10 cm ³ /DH
Stroke rate max.	200 DS/min
Material temperature	10 °C - 80 °C
Material pH value	3.5 - 9 pH
Compressed air connection	G 1/2"
Air inlet pressure	2.5 bar - 6 bar
Weight	36 kg

Processable materials

- Water-based & solvent-based materials
- Hygroscopic materials
- Base coats & hardener
- Premixed 2K materials
- Shear sensitive materials
- Abrasive materials

Application areas

- Wood & furniture industry
- Carpentry & joinery
- Agricultural & construction machinery
- Metal industry
- Leather coating



J. Wagner GmbH

Industrial Solutions
D-88677 Markdorf
+49 7544 505 - 0
info@wagner-group.com

www.wagner-group.com