

Enjoy working with Cobra®!

FAST RETURN ON INVESTMENT

The reduced paint section displacement and low operative costs ensure enormous benefit in terms of savings:

- Reduced solvent consumption: up to 60 % savings during flushing procedures compared to piston pumps
- Less paint waste
- Easy and fast color change
- Lower maintenance due to extremely low wear

HIGH RELIABILITY

The long-life diaphragms and the absence of packings in the fluid section guarantee high reliability, even under the most taxing working conditions. The air-cooling system for the hydraulic stage keeps the hydraulic oil at a constant temperature and viscosity.

NO APPLICATION LIMITS

Piston pumps and bellows pumps have the following limitations:

- 1 They generate a certain amount of friction heat. This limits their usage for reactive and abrasive materials. Cobra® is friction-free and can handle all critical materials.
- 2 They produce a high shearing effect and are therefore not recommended for shear-sensitive materials. The shearing effect is minimized in the Cobra®.
- 3 They produce deep pulsations during the switch-over phase. This affects the stability of the paint flow and finishing quality. The reduced pulsation of the Cobra® ensures a constant paint flow and better finishing.
- 4 They achieve high delivery rates. This requires a large paint section. In contrast, Cobra® pumps use high-speed operation and very small fluid chambers to bring about a dramatic reduction in solvent consumption.



Diaphragm Technology

Unique Cobra® technology

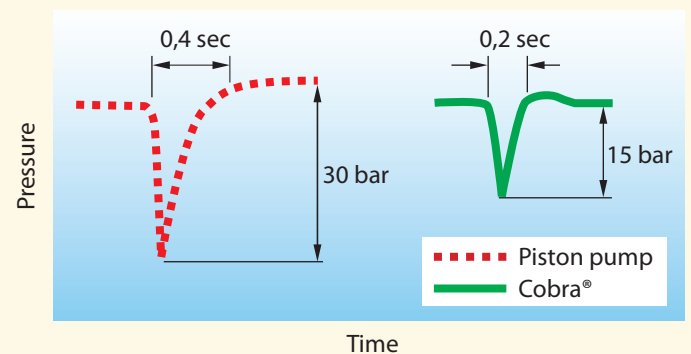
PUMP SPEED

The recommended working speed for piston pumps is 30 DS/min. In contrast, Cobra® pumps can run at 200 DS/min. This makes it possible to dramatically reduce the fluid section volume and achieve good performance in terms of the delivery rate:

	Cobra® 40-10	Piston pump
Max. speed	200 DS/min	30 DS/min
Pump volume	10 cc/DS	65 cc/DS
Max. flow rate	2.0 l/min	2.0 l/min

PULSATIONS

Compared to standard piston and bellows pumps, the double diaphragm technology combined with small fluid chambers ensures far lower pulsation and a constant material flow.



The example refers to a 150 bar application with water.

Select your Cobra®

Cobra® 40-10

Cobra® 40-10 is the ideal solution for working with small quantities and frequent color changes – recommended for single-gun up to three-gun applications in the wood and furniture industry, small carpentry shops and joineries, and the general metal industry. Cobra® 40-10 is also ideal for feeding base or hardener for 2K mixing units (FlexControl and FlexControl Plus).



APPLICATION AREAS

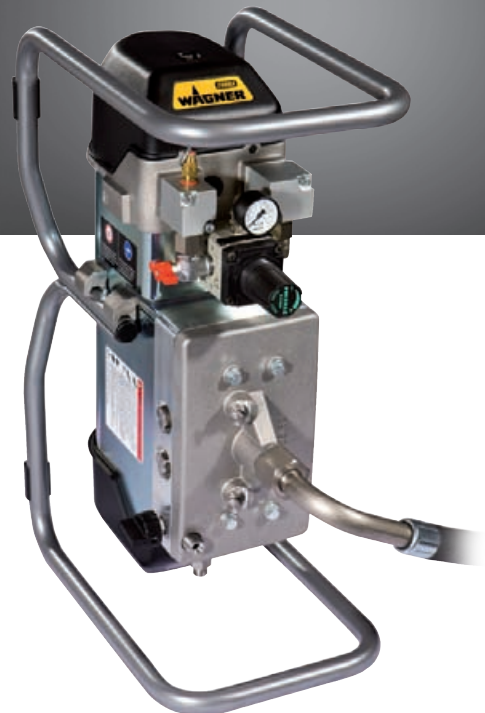
- Wood and furniture industry
- Carpentry shops and joineries
- Agriculture, construction and earth moving
- General metal industry
- Leather coating

PROCESSABLE MATERIALS

- Water and solvent-based paints
- Wood coatings
- Moisture-sensitive materials, isocyanates
- Shear-sensitive coatings
- UV-cure materials
- Temperature reactive materials (acrylics, for example)
- Zinc primers

Cobra® 40-25

Cobra® 40-25 is suitable for high flow rates applications (up to 5 l/min) such as multi-gun operations or for very large nozzles. It is also an excellent solution for feeding automatic spraying systems in wood coating lines or for heavy-duty applications in carpentry, the metal industry, and leather coating. Cobra® 40-25 is ideal for feeding base or hardener for 2K mixing units when high delivery is needed.



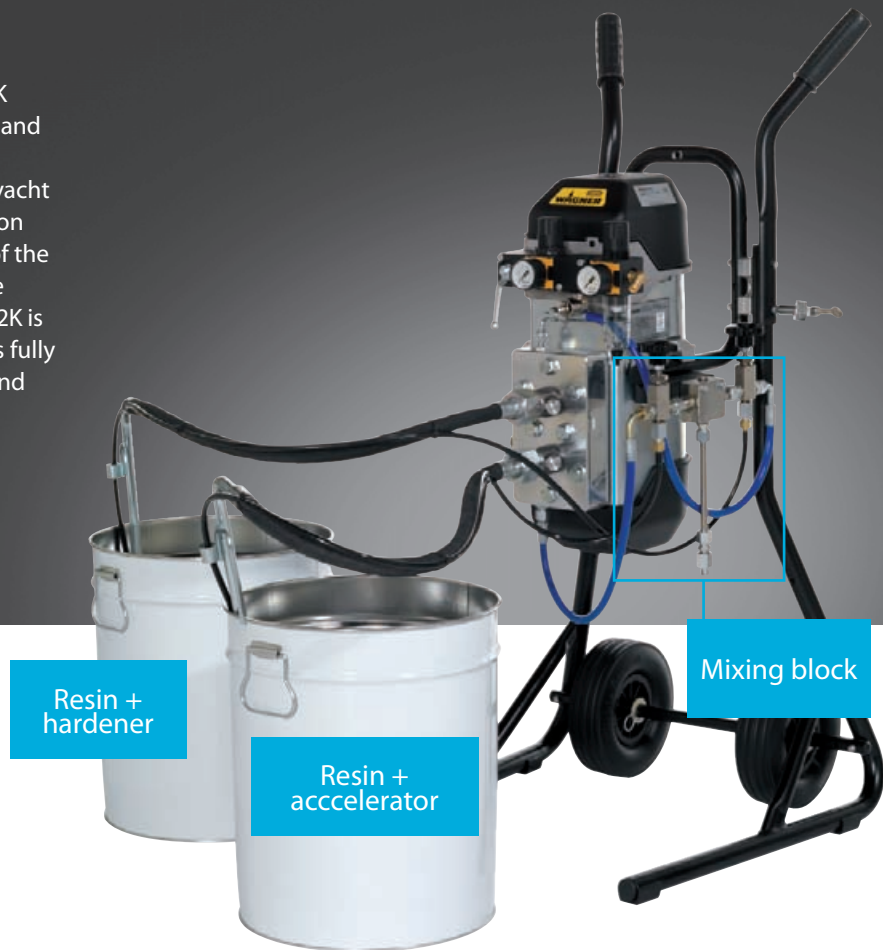
Technical Data

Cobra®

	Cobra® 40-10	Cobra® 40-25
Pressure ratio	40 : 1	40 : 1
Max. fluid pressure	250 bar	250 bar
Volume per DS	10 cc	25 cc
Max. pump speed	200 DS/min	200 DS/min
Max. flow rate	2.0 l/min	5.0 l/min
Weight	19 kg	32 kg
Fluid outlet	3/8" NPS	3/8" NPS

Cobra® 2K: Perfect for mixing and applying polyester

Cobra® 2K is the perfect solution for highly reactive 2K materials such as polyester (primer or finishing, short and long pot-life) and is ideal for applications on old-style furniture, coffins, musical instruments, and boat and yacht interiors. In fact, due to the packing-free and no-friction construction, Cobra® 2K solves the typical problems of the traditional 2K bellows pumps, reducing drastically the maintenance costs and solvent consumption. Cobra® 2K is available on a base frame, wall bracket or trolley, and is fully equipped with double suction hoses, recycle valves and a static mixer.



Technical Data

Cobra® 2K

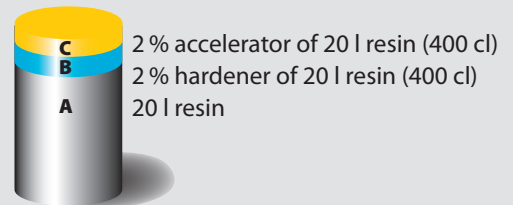
Mixing ratio	1 : 1
Pressure ratio	40 : 1
Max. fluid pressure	250 bar
Max. flow rate	2.0 l/min

COBRA® 2K ADVANTAGES

- Mix only what you spray: the mixture is always fresh
- Suitable for everything from small jobs to full time use
- The packing free construction does not create friction and thus reduces maintenance
- Easy to clean
- High pressure application: smoother surfaces to reduce the orange peel effect and sanding time
- Suitable for AirCoat and Airless: less overspray, high transfer efficiency

HOW TO PREPARE POLYESTER FOR COBRA® 2K

Manual mixing:



With Cobra® 2K: Split the 20 l into two containers of 10 l each and add hardener and accelerator in proportion.

