



KFE-High pressure.

High pressure glue delivery with electronically controlled piston pumps. For the highest demands!

Next generation Baumer hhs smart glue delivery System.

- **Little or no maintenance:** Reliable and robust design for long service life.
- **Minimum down time:** Controller provides simple step by step instructions on pump filter change.
- **Consistent glue application:** Built-in pressure regulator adjusts output pressure proportional to machine speed.
- **High and uninterrupted glue flow:** Non contact electronic switching of reciprocating cycle.
- **Safety during production:** Continuous monitoring of glue pressure and pump operating conditions such as dry run or hose breakage.
- **For food and tobacco industry:** Stainless steel, no use of teflon parts and FDA approved lubrication.

Basic equipment

- Electronically controlled piston pump KPE-9
- Compressed air maintenance unit
- Output filter, mesh diameter 200µm
- Electronic pressure monitor
- Pneumatic pressure regulator, Option: manual
- Glue pressure gauge

Container variations

a) Standard container 30l

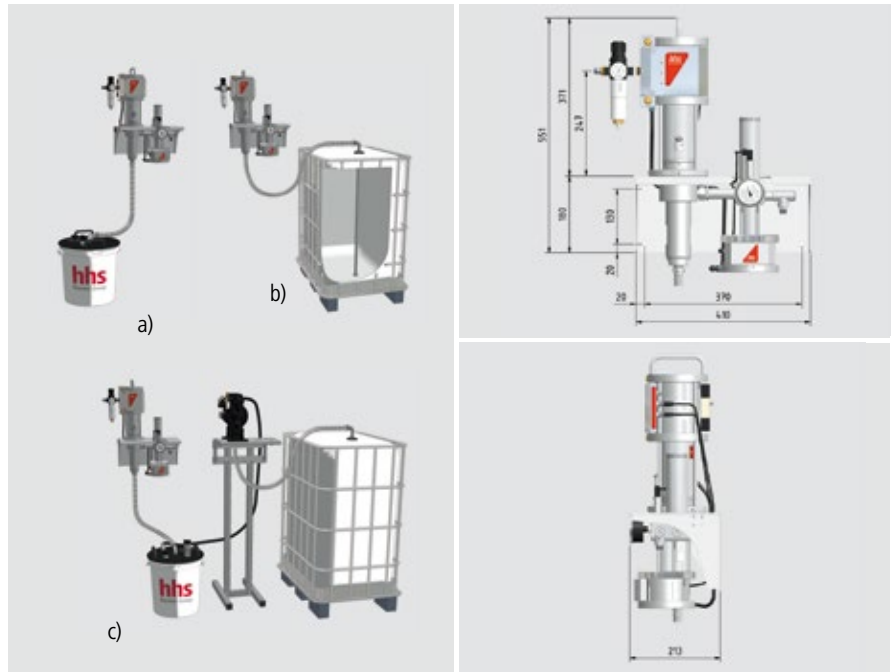
- Suction filter protects pump from coarse impurities
- Optional level sensor
- Optional stirrer

b) Container 200...2000 l

- Suction filter protects pump from coarse impurities
- Optional level sensor in the suction pipe

c) Automatic filling from container into a pail

- Diaphragm pump delivers from container into 30 l pail
- Bubble-free filling without interruption of the production



The compressed air driven piston pump delivers with upwards and downwards strokes and thereby creates an extremely consistent glue pressure. Due to quick regulation, the glue application remains constant even during changes in the production speed. The integrated pressure monitor automatically initiates an alarm if the pressure deviates from the set value. A fine filter at the pump output traps the smallest foreign particles and protects the dispensing system.

Specifications

Model/ Accessory	Function	Input	Output	Delivery rate*	Weight (kg)
Piston pump KPE-9	Pneumatic drive, double action, regenerative, ratio 9:1, electric control	Compressed air 6,0-7,0 bar (87-101 psi), oilfree, drained, electrical connection: 24V DC, 0.5A, dispersion adhesive max. 25.000 mPa.s	Adhesive max. 54 bar (783 psi)	2.4 l/min, 125 cm ³ /up-and down stroke, 20 up-and-down strokes/min., suction height 3.5m	15 kg
Pressure regulator PMDRÉ-6	Electric control of the adhesive pressure depending on the machine speed	Compressed air 6 bar (87 psi), signal: 0-20 mA, dispersion adhesive max. 10.000 mPa.s, Adhesive max. 70 bar*	Adhesive pressure 6-35 bar (87-507.5 psi)	2,0 l/min	6,5 kg
Pressure regulator MDR-17	Manual setting	Adhesive max. 40 bar (580 psi)	Adhesive 0-17 bar, (0-246.5 psi)	—	3,0 kg
Pressure regulator MDR-50	Manual setting	Adhesive max. 70 bar (1015 psi)	Adhesive 0-50 bar (0-725 psi)	—	3,0 kg
Level sensor	Float switch	Electrical connection 24V DC	1 change-over contact	—	—
Stirrer	Pneumatic drive	Compressed air 6 bar	—	—	—

*The delivery volume depends on the viscosity of the adhesive.

Baumer hhs offers an extensive range of gluing and quality assurance systems.
For more information see www.baumerhhs.com