



2K HVP AX

– Two component system for high viscosity materials



Basic specification of the 2K HVP AX is for the dispensing of two component materials or one component with injection of a booster/ accelerator as a water based paste. Typical machine is used for sealing and bonding in industries such as train, tram, bus, truck and automotive where mobility is required. Excellent for Polyurethanes, Polysulfide's, Silicones and MS polymers. 2K HVP AX can also be used as a fixed system that feeds directly from 200 kg barrels.

The 2K HVP AX is designed for high viscosity two component materials, the amount of the A- component is controlled by the

piston pump and the B-component is proportioned by a gear metering pump which is synchronized with the A-pump speed. Both pumps are connected and controlled by a PLC which can be monitored and set by a user friendly HMI. The materials are transported through separate hoses to the mixing valve that is fitted with a static mixer.

The 2K HVP AX is especially suitable for applications where there is a demand for dispensing large quantities of mixed material with a booster mix ratio of 1–10%.

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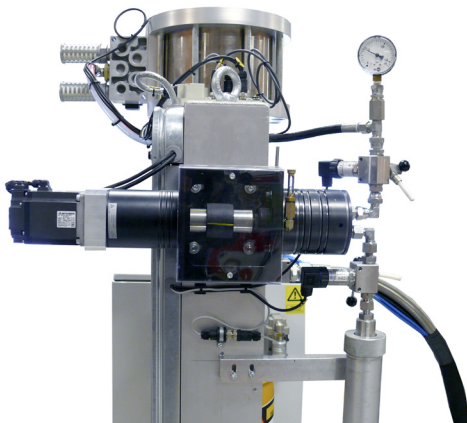
STANDARD 2K HVP AX

50L A-comp container and 600ml B-comp feeding.



20 KG CONTAINER FOR B-COMP

2K HVP AX with integrated HVP 200 for B-comp feeding.



SERVO REGULATED GEAR PUMP

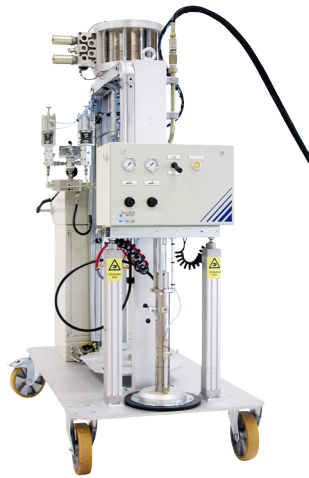
Gear pump gives a highly accurate booster paste injectia facility.



STANDARD CONTROL PANEL

PLC for ratio control and logging of production results. Main operating of pressures and elevator.

2K HVP AX can be fitted with different types of feeding units for the B-component. Other solutions are developed on request.



20 KG CONTAINER FOR B-COMP

HVP 200 for feeding B-comp from 20 kg container.



5 KG CONTAINER FOR B-COMP

HVP 100 for feeding B-comp from 5 kg container.



1 KG CONTAINER FOR B-COMP

Robust cartridge holder for 1 kg cartridge.



600 ML SAUSAGE FOR B-COMP

Holder for B-comp sausage. Dosing is carried out by a small piston doser.

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STANDARD FUNCTIONS/COMPONENT

- Mobile with wheels and ergonomic handles - easy to move
- Two hand safety control
- Container lift, a-comp
- 20 litres A-barrel and 1 litre B-cartridge
- Maintenance free pump sealing
- Mixer valve for disposable static mixers
- Tool kit for preventive maintenance

PLC CONTROLLED METERING AND MIXING RATIO

- Pot life control
- Pressure control, with low and high pressure alarm
- Low level, A- and B-comp with Machine stop
- Volume control - batch and order log

ADDITIONAL

- Pressure plate for 50 litres or 200 litres A-comp material containers
- Several standard solutions for B-component such as; container; cartridge, sausage, barrel
- Different container size on request
- Swing arm with balancer for ergonomic relief
- Printer, for printing recipes, batch number, quantity of dispensed material and alarms.
- Modem, for remote access software updates, error handling, and monitoring the equipment

All data and characteristics mentioned in this booklet are by way of example only. Given flow capacities and material pressure are depending of; inlet air pressure, material viscosity, the hose dimensions and other equipment fitted after the pump outlet. Applicator Group reserves the right to modify the products without prior notice.

TECHNICAL DATA

Mixing ratio:	0.5% – 10%
Pressure raise, A-comp:	60:1
Max. fluid pressure:	360 bar
Flow capacity*:	165 cm ³ / double stroke
Working air pressure:	6 bar
Max air consumption:	1600 l/min at 6 bar and 20 double strokes
Air consum. normal use:	App. 250 l/min
Air connection:	int. R 1/2"
Electrical specifications:	230 V AC +Pe, < 5A, < 100 W

MEASURES AND WEIGHT (STANDARD)

Width x Length:	800 x 1200 mm
Height:	approx. 1800 mm
Weight:	from 250 kg
Noise level:	<70 dB (A)



APPLICATOR SYSTEM AB, Division SCANREX

Prästängsvägen 12
SE-452 33 Strömstad, Sweden
Telephone: +46 526 68 250
Fax: +46 526 15 121
www.aplicatorgroup.com
info@scanrex.se

Branch offices; Applicator System AB

Denmark	info@aplicator.dk
Finland	info@aplicator.fi
Spain	info@aplicator.es
U.K	info@aplicator.co.uk