



# FAS

## FLAVOUR APPLICATION SYSTEM



**European Patent**  
EP 2.016.840

**The first on the market special unit for single- and/or twin-track makers.**

**HEINEN  KÖHL**  
TOBACCO-SOLUTIONS WITH POWER

### ADVANTAGES

- For single- and/or twin-track makers
- Capable to process all types of flavour
- Heating system
- Big mobile storage tank
- High precision dosing system
- Closed loop control system
- No calibration necessary
- AREX-TÜV certificate
- Modular design
- OEM interface kit for all cigarette and filter makers
- Tailor-made for innovative design requirements



## Constant homogeneous application of flavour liquid into tobacco, filter and onto paper.

The Flavour Application System FAS is a mobile unit ensuring homogeneous application of flavour liquid:



➔ **into the suction-rod conveyor of cigarette maker.**

(Decouflé, GD, Hauni, Molins)

The spray nozzle is positioned so that only the tobacco in the middle of the cigarette is sprayed; over feed remains unsprayed.



➔ **into the transport jet of any kind of filter makers.**

The special filter nozzle allows spraying directly into the centre of the filter or onto filter thread.



➔ **onto paper or reconstituted tobacco.**





Designation	
Power supply (with heating system)	3 x 400 Volt/AC-50 Hz/8 kW
Heating internal (FAS)	3 x 400 Volt/AC-50 Hz/4 kW
Heating external (Maker)	1 x 24 Volt/AC-50 Hz/0,3 kW
Heating external tank	3 x 400 Volt/AC-50 Hz/3,5 kW
Air supply	4 to 6 bar
Dosing range	1 - 480 g/min.
Dosing precision	± 3% to ± 0,5% of desired value
Temperature range	20° C to 70° C
Temperature precision	± 3% of desired value
Machine speed cigarettes	1.000 to 20.000 Cig./min.
Machine speed filters	2 x 600 m/min.
Capacity working tank	appr. 5 l
Capacity mobile tank	appr. 45 l
Housing dimensions (L x W x H)	1400 x 550 x 1400 mm

### Heating System

The heating system of the FAS features a smooth melting process for flavour types (e.g. menthol), that require heating in order to reach a processable viscosity. It guarantees that all vital components of the unit maintain uniform temperature during production, thus ensuring that the viscosity of the flavour remains constant from tank up to spray nozzle.

The heating devices can easily be deactivated for flavour types that have a processable viscosity level at room temperature.

### Tank System

The FAS is equipped with an external mobile tank with a capacity of about 45 litres. It can be filled and hermetically closed in a separate area. The insulated enclosed tank contains a heating system permitting to melt pure menthol offline or during production.

The tank is equipped with a quick-plugconnection for liquid as well as for electrical supply. Changing the tank can be done without stopping the maker and without any unpleasant odour.

### Modular Design

Thanks to its modular design the Flavour Application System FAS offers utmost flexibility to suit customers requirement. Therefore all kinds of customer requests can be integrated into the system.

Type	Single Line	Double Line	Alcohol-based Flavour	Pure Menthol	Cigarettes	Filter
FAS Cold Classic	❖		❖		❖	❖
FAS Cold Twin-track	❖	❖	❖		❖	❖
FAS Hot Classic	❖			❖	❖	❖
FAS Hot Twin-Track	❖	❖		❖	❖	❖
FAS Uni Classic	❖		❖	❖	❖	❖
FAS UNI Twin-Track	❖	❖	❖	❖	❖	❖

## INFO · CONTACT

### **KÖHL Maschinenbau AG**

17, Am Scheerleck  
6868 Wecker  
Luxembourg

Tel.: +352 27 68 27 - 0  
Fax: +352 27 68 27 - 99

info@koehl-mb.eu  
www.koehl-mb.eu



Additional information

### **Service & Support**

Tel.: +352 27 68 27 - 3838  
service@koehl-mb.eu