

Hot air vulcanisation channel

HLK 144



Modular hot air vulcanisation channel designed for energy-efficient and flexible vulcanisation of silicone.

The hot air channel HLK 144 is operating in an energy-saving circulating air system. The heating of the silicone profile occurs by air convection while an electric fan serves as energy source.

To achieve a high degree of flexibility the user can choose additional infrared energy.

The machine covers and channel flanks are equipped with fixed installed IR-dark radiators. Depending on the characteristic of the profile the single use of IR-energy can be sufficient for a complete silicone cross-linking.

MACHINE HIGHLIGHTS

- Effective machine lengths 3 - 9 m
- Every single machine area electrically heated
- Temperatures adjustable up to 340 °C
- Exhaust air fan incl. speed control
- Production speed up to 40 m / min
- Air flow rate, variable
- Installed IR- radiators in the channel
- Power of IR- radiators fully adjustable
- Integrated temperature control of radiators
- Separate belt drive and tensioning station
- Variable options of material implementation

MACHINE DATA HLK 144

Effective machine length	3 – 9 m
Profile pass-through aperture height	50 mm *
Profile pass-through aperture width	100 mm *
Machine clearance height	1000 mm *
Production speed, max.	40 m / min *
Heating	electrical air heater
Heating	infrared
Temperature range	adjustable to 340 °C *
Electrical connection	240/400 V, 3 Ph, 50 Hz, PE+N *
Compressed air connection	7 bar
Machine version	CE standards, DIN standards



MAIN STANDARD EQUIPMENT

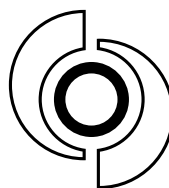
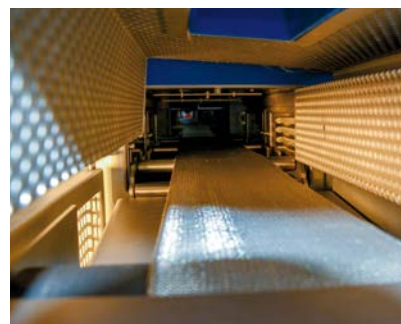
Inspection cover operation	pneumatic
Separate belt drive and tensioning station	yes
Air locks in channel infeed and outfeed	yes
Conveyor belt	metal fabric tape
Main extraction fan	yes, incl. speed control
Main electrical switch cabinet	yes, built behind
PLC control	Siemens S 7-300
Touch display	Siemens



* or customised

CONFIGURATION OPTIONS

- Profile surface temperature measurement at the channel outlet of the HLK-channel
- Spark sensors for fire prevention
- Conveyor belt, PTFE
- Non-driven support rollers, optional (instead of conveyor belt)
- Zone lowering for non-contact vulcanisation
- Other options on request



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