

COMPACT-MIX



Continuous foaming and mixing of several additives

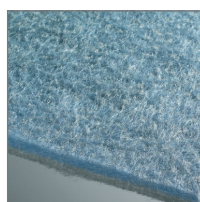
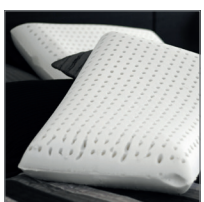
The COMPACT-MIX is a large production machine with up to three pumps built into the frame. Ideal areas of use include the carpet and chemical industries as well as textile finishing, flock or latex mattress industries

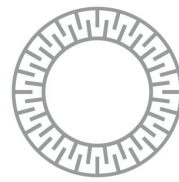
COMPACT-MIX*

PERFORMANCE RANGE
50–400 kg/h > 300–2000 kg/h

L, W, H: 2300 x 1020 x 1800 mm
Weight: 700 kg
Supply voltage: 50-60 Hz
3/PE/400-460 V
Consumption: ~ 8,5 kW / 20 A

*Customer optimised





THE MIXING HEAD

- Dynamic stainless steel mixing head available in three configurations: 990, 1410 or 2280 pins for light foam
- Continuous electrically controlled RPM adjustment (frequency converter) including digital display
- Non-contacting HANSA shaft seal-gas which is a requirement of the foaming process is also used as sealing material. In case of machine downtime the lip type seal helps to prevent the medium from penetrating into sealed areas
- Temperature-controlled mixing head (coolable / heatable) is available as an option.

SPECIFIC CHARACTERISTICS

- Large production machine with up to three pumps inside the frame
- Ideally suited for processing medium sized quantities of material in the chemical, carpet and textile industries
- Exact injection of numerous additives into the mixing head – or direct feed – by additional dosing pumps
- Effective production and precise true-to-recipe results, coming from PLC-control

THE PUMP

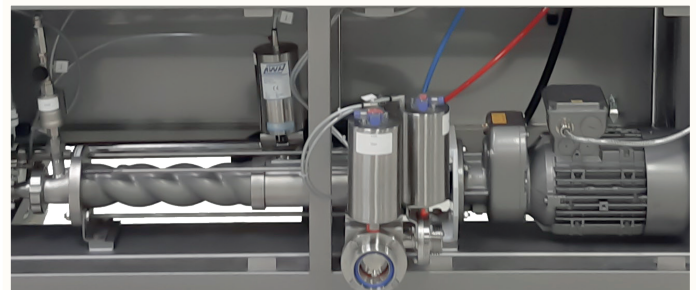
- Eccentric screw pump in modular design mounted in mixer frame
- Generously dimensioned AC drive motor
- Output regulation via frequency converter
- Product-specific shaft sealing due to floating ring seal with barrier pressure system

AIR / GAS METERING

- Manual gas fine metering by means of needle valve
- Automatic gas metering by means of gas controller, regulating the necessary gas volume in relation to product flow thus guaranteeing constant foam weights
- Digital display: Air volume / foam weight
- A multi-stage air filtering system protects the measuring devices and guarantees consistent top standard product quality

MIXER FRAME

- Solid frame made of square stainless steel tubes
- Electrical / pneumatical and mechanical installations built-in separately
- Mechanical components easily accessible due to removable and lockable sheet-metal plates
- Mixer frame on four casters for improved mobility



OPTIONS

- Diverse automatic systems e.g. for volumetric or gravimetric flow metering, foam height (MA2) regulation or speed adaption (MA1)
- Automatic dosing systems for additives
- Mixing head temperature regulation (heating / cooling)
- Foam valve
- Back pressure regulator
- External tempering units
- Remote control

A mix takes two

