

# Glue Dosing System HYDROMIX F



## Technical Features

Compact dosing unit, for direct connection to the raw materials container

Resin and hardener dosing with a newly developed, high-pressure membrane dosing system. The low maintenance dosing pumps have no seals and are subject to little wear

The pumps are hydraulically or hydro-pneumatically driven

Level monitoring in the supply lines, to prevent a lack of material

Dosing monitoring in the resin and hardener dosing unit

Pressure monitoring in the resin and hardener dosing unit

Filters for resin and hardener

Variable mixing ratio of up to 100 : 100 parts by weight, according to requirements

Automated quantity control through proportional valves for glue and hardener, controlled by parameters like application rate, mixing ratio, etc.

Separate mixing unit for fitting directly to the applicator head, designed as a static mixer with specially developed feed-in nozzle  
*Alternatively:* Two material valves for separate application

## Field of Use

Dosing system to automatically supply glue to joints, surfaces and finger joints.

For processing systems with two liquid components, e.g.:

- Melamine resin with liquid hardener
- Urea formaldehyde resin with liquid hardener
- PVAc glues
- EPI systems

For use in the manufacture of solid wood boards, laminated frames, window frames, glulam etc.

The system can either be operated as a 2-component mixer or as a dosing system for separate application of glue and hardener

Integrated switch cabinet with Siemens S7 PLC system

Operating control, to set the switch-on / switch-off times

Operating panel with text display for all operating situations and error messages

## Accessories

Interchangeable static mixer

Cooling system for mixing area and applicator head

Transfer pumps, between the raw material containers and the dosing unit

High-quality collimator filters, which can be cleaned in situ

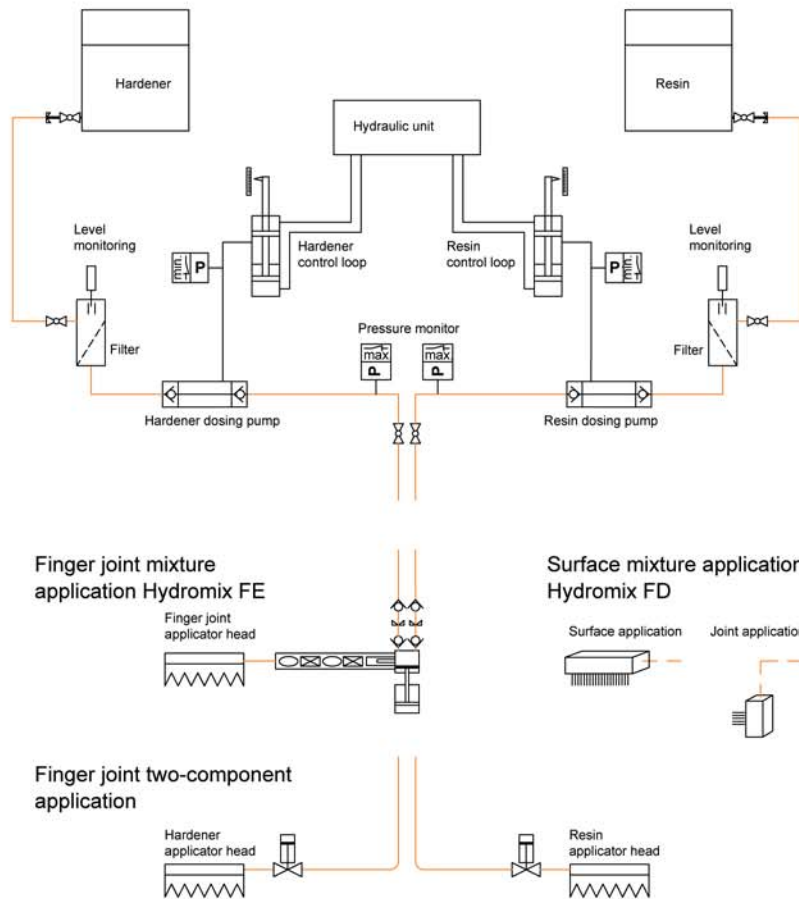
Applicator heads for surface, joint or finger joint gluing

Gluing data recording

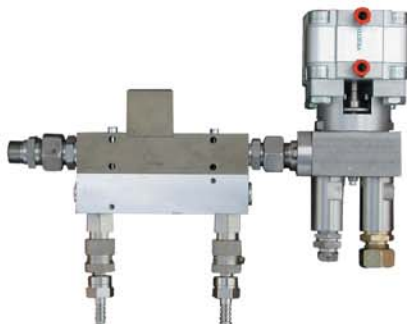
Glue pattern monitoring systems

Can be networked with other control systems and host computers via bus systems

Customised solutions



Function scheme



Mixing unit with cooling connections



HYDROMIX F, rear view

## Technical Data

Glues	2 liquid components
Mixing capacity	1 to 24 kg/min. depending upon the layout
Mixing ratio	100 : 4 to 100 : 100 depending upon the layout
Control/valve voltage	24 V DC
Power supply voltage	230 V AC 50 Hz
Dimensions (L x W x H)	1000 x 1200 x 1860 mm



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