MAT SURFACE DAMPING UNIT

TS100

WATER AND ADDITIVE AIRLESS SPRAYING SYSTEM

The TS100 system has been designed for damping the top and bottom surfaces of the mat as it travels along the forming line.
A damper surface helps the heat to penetrate through the board more rapidly during the pressing process, resulting in faster cure times and shorter press cycles. The system consists of a beam on which the centrifugal spraying rotors are mounted and a liquid dosing and recycling unit.

MAIN FEATURES

• Assembly made from steel and corrosive resistant materials • Accurate mixing of water and additive • Electronic control of the exact amount of solution to be sprayed and recycled • Sophisticated water purification system included • Solution sprayed by means of centrifugal force • Electronic control may be implemented with Siemens PLC (Profibus, Profinet and Ethernet) or Allen-Bradley PLC (Control net and Ethernet) upon request • May be used for all kinds of boards • Equipment conforming to Directive 94/9/CE ATEX 95 requirements and suitable for Zone 22 installation (based on Directive 99/92/CE ATEX 137), i.e. intended for use in potentially explosive environments due to the presence of dust.

ADVANTAGES

• Improved quality and increase in production rates • Decrease in surface porosity, making the board easier to sand • Improved mechanical properties of the board with a smoother and harder surface • Better glass-like sheen to the surface to facilitate the coating process.

BEST IN CLASS FOR:

WOOD BASED PANELS:
PB/SPB
OSB/LSB/FOSB
MDF/HDF

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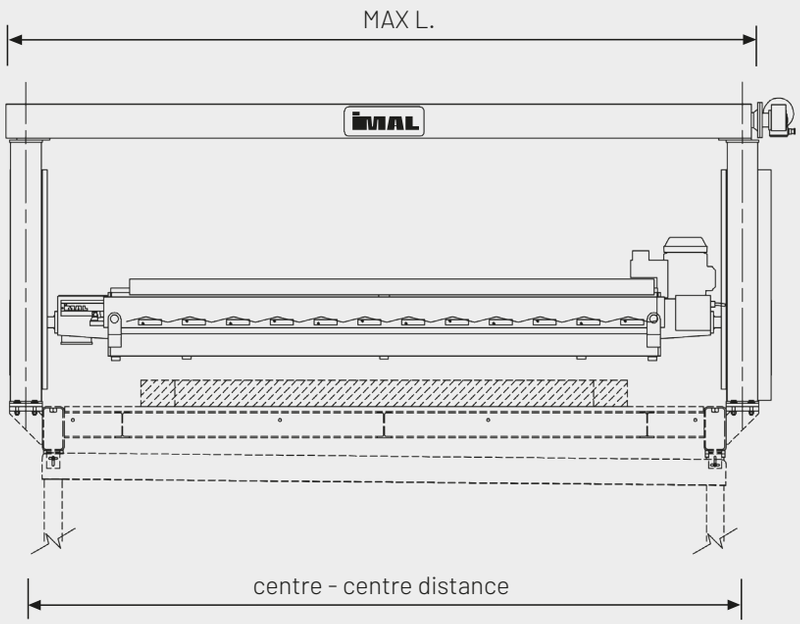

Dimensions will vary on the basis of customer requirements.

CE Ex II 3D IP54 T 135 °C

TECHNICAL DATA	
NUMBER OF ROTORS	Max 20
TOTAL SPRAYING SPAN	Max 3800 mm
MAX. FLOW FOR EACH ROTOR	800 g/min
RELEASE AGENT CONCENTRATION	Min 0.2%
MIN. DIFFERENCE IN HEIGHT BETWEEN SPRAYING UNIT AND PUMPING UNIT	1500 mm
RATED POWER	7.5 kW
THREE-PHASE ELECTRICAL SUPPLY	400/440 V - 50/60 Hz
CONTROL CIRCUIT VOLTAGE	230/120 V - 50/60 Hz

NO. ROTORS	C-C DISTANCE mm	MAX L. mm	BOARD WIDTH mm
10	2800	3000	Min 1220 - Max 1830
12	3200	3400	2135
14	3600	3800	2440
16	4000	4200	2750
18	4400	4600	3050
20	4800	5000	3660