



DOMAT DMC 100 Continuous Dosing and Mixing Plant

DMC 100

Industrialized plant specialized in the dosage and massive mixing of aggregate and cementitious materials to produce seating floors and/or base stabilization, with the possibility of configuring the number of materials required in the mixture, equipped with DOMAT CONTINUOUS mixers in charge of homogenization and the transportation of materials with high efficiency. Independent gravimetric weighing systems for aggregates and cement, water dosing by flowmeter governed by automatic control software that guarantees precision and traceability in the processes, ideal to produce mixed concrete, compacted concrete (HCR, CCR), mixtures for cement soil and fills in the mining sector, Backfill.



Images for illustrative purposes only.

AUTOMATIC CONTROL SYSTEM FOR CONCRETE PRODUCTION DOSIMAT D-200



D-200 developed with an industrial computer on a Windows environment and a Siemens S7-1200 automation interface, responsible for carrying out the dosing and process control processes, meeting the necessary quality standards and effectively carried out:

- Control of entry and inventory of raw materials.
- Control of consumption of materials used for production.
- Automatic dosage control.
- Theoretical/Actual dosage report batch by batch.
- Production reports by pothole, truck, construction site or client.

The dosing program is configurable according to the plant topology and additional dosing modules can be implemented to manage cementitious additives or aggregates.

DOMAT DOUBLE SHAFT CONTINUOUS MIXERS



DOMAT CONTINUOUS mixers are equipped with axes that work in counter-rotation together with the mixing blades configured in angle and position that generate a double effect of mixing and translation of the material from the entry point to the discharge opening. DOMAT CONTINUOUS mixers are designed for material homogenization tasks with high efficiency and are recommended to produce mixed concrete, compacted concrete (HCR, CCR), soil-cement mixtures and fillers in the mining sector, Backfill.

Technical and specifications sheet

FO-CMC-008-V1-USA

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Nominal Data:		DMC 100
Production (Lb/h):		(440925)
Mixer Type :		Double Shaft Continuous Mixer
Production (Lb/h):		(396832/440925)
RMP Mixing shafts:		85,00
Mixing paddles:		44+4
Liners for Floor, Walls, and Mixing Paddles		Replaceable
Type of motor:		Three-phase electric
Engine power (Hp):		30
Number of hoppers for aggregates:		4
Aggregate hopper capacity (Yd3):		19,6
Aggregate weighing scale capacity(Y3):		10,4
Number of weighing bands:		1
Weighing band width (Inch):		24
Number of conveyor belts:		1
Width of conveyor belt (Inch):		24
Cement scale capacity (Yd3):		4,18
Cement conveyor screw diameter (Inch):		10
Long cement conveyor screw (Inch):		354
Cement conveyor screw motor power (Hp):		15
Water pipe diameter (Inch):		3
Water pump motor power (Hp):		6
Gate drive:		Pneumatic system
Gate drive:		Pneumatic system
CFM Compressor:		38,8
Aggregate and cement dosing method:		Volumetric
Water dosing method:		Volumetric
Control and dosing software:		D-200
Operation cabin:		Yes
Mixture discharge height (Inch):		154,1

Specifications subject to change without prior notice. Photos for illustrative purposes only.

MANUAL CONTROL SYSTEM	Control console with buttons to perform all equipment operations manually/locally from the operations cabin. aggregate scale and cement hopper indicators1 Flow indicator.
DISTRIBUTION AND ELECTRICAL MANEUVER SYSTEM	IP 55 panel Power and control panel with all the protection and maneuvering elements of SIEMENS brand motors, wiring with metal shell and connectors for connecting motors.
ELECTRICAL POWER REQUIREMENT	The plant requires a three-phase power supply at 220/440 volts with a frequency of 60HZ and an installed capacity of 100 KVA average (different voltages or frequencies upon request).
TRANSPORTATION AND STABILIZATION ON SITE	Domat's DMC series is designed to be transported in 3 containers HQ of 40 ft that meet international standards or on a three-axle trailer and equipped with structural supports for fixing to the floor.
PAINT AND FINISHES	Abrasion cleaning treatment Anticorrosive protection Final finish with highly flexible polyurethane and high resistance to chemical attacks and physical wear. Polyurethane DOMAT corporate colors: Yellow Chassis, Yellow Hoppers and gray accessories.
OVERALL DIMENSIONS	Height: 173,2Inch Width:162,0 Inch Length:765,7 Inch Approximate weight: 38801.358 Lb.
CIVIL WORK	DOMAT USA will supply the assembly plans associated with the equipment detailing its specific load measurements for the preparation of the foundation, which will be the responsibility of the client according to the ground conditions.
NOTE	The production of the equipment is calculated for normal concrete of 3,000 PSI, with 705.47 Lb of cement, 50% sand, 50% gravel and settlements of 5" or more, the performance of the equipment will depend on the logistics of each project. guarantees 100% production in adequate working conditions.