

FP – CHUTE SAMPLER

REPRESENTATIVE SAMPLING FROM PIPES



- FP takes representative increments.
- FP is a simple and economical solution.
- FP is manufactured in stainless steel.

PRINCIPLES OF OPERATION

The Chute Sampler (FP) is designed to take out increments of non-sticky powdered material and lumps up to 40 mm, from a freefalling flow of materials in a closed pipe system.

GENERAL DESCRIPTION

The sampler is driven by a horizontal geared motor, which is directly engaged with the chute. The chute is mounted on a vertical shaft, which forms part of the chute. The shaft is supported by bearings and extends through the top cover.

A specially designed cutter rotates around a vertical axis. The cutter inlet is designed so that the full cross section of the material flow is cut through during one rotation, and further is shaped so that all particles from any part of the cross section have the same probability of being sampled i.e.: a representative sample is taken. The sample is extracted into a chute where a tight fitting sample bottle can be mounted, or it falls by gravity in a chute to further sample preparation.

The FP has an inspection hatch, through which the chute is easily uninstalled and reinstalled.

TYPE DESIGNATION:

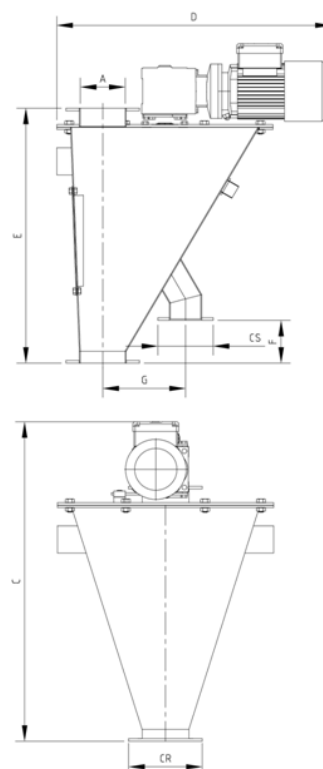
Type	Particle size [mm]	A [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	CR [mm]	CS [mm]	Motor [kW]	Chute speed [m/s]	Weight [kg]
FP100	< 10	100	770	660	645	80	218	160	130	0.25	0,6	60
FP200	< 15	200	970	910	845	80	218	260	130	0.25	0,6	180
FP300	< 25	300	1145	1060	945	80	218	360	130	0.37	0,6	210
FP400	< 40	500	1470	1460	1245	80	218	560	130	0.55	0,6	260

The values are only indicative

TECHNICAL DATA

Drive unit: Geared motor
 Voltage: 400/230V-50Hz or as required
 Sensor: Rotation sensor
 Dimensions: Refer to drawing and table

DRAWING



COMPANY PROFILE

M&W JAWO HANDLING IS AN INTERNATIONALLY WORKING ENGINEERING COMPANY SPECIALISED IN DESIGN, MANUFACTURING AND SUPPLY OF INDIVIDUAL MACHINE UNITS AND SYSTEMS FOR REPRESENTATIVE SAMPLING OF POWDER AND BULK MATERIAL. SEVERAL HUNDRED SYSTEMS ARE SUCCESSFULLY SAMPLING IN THE INDUSTRY WORLD-WIDE.