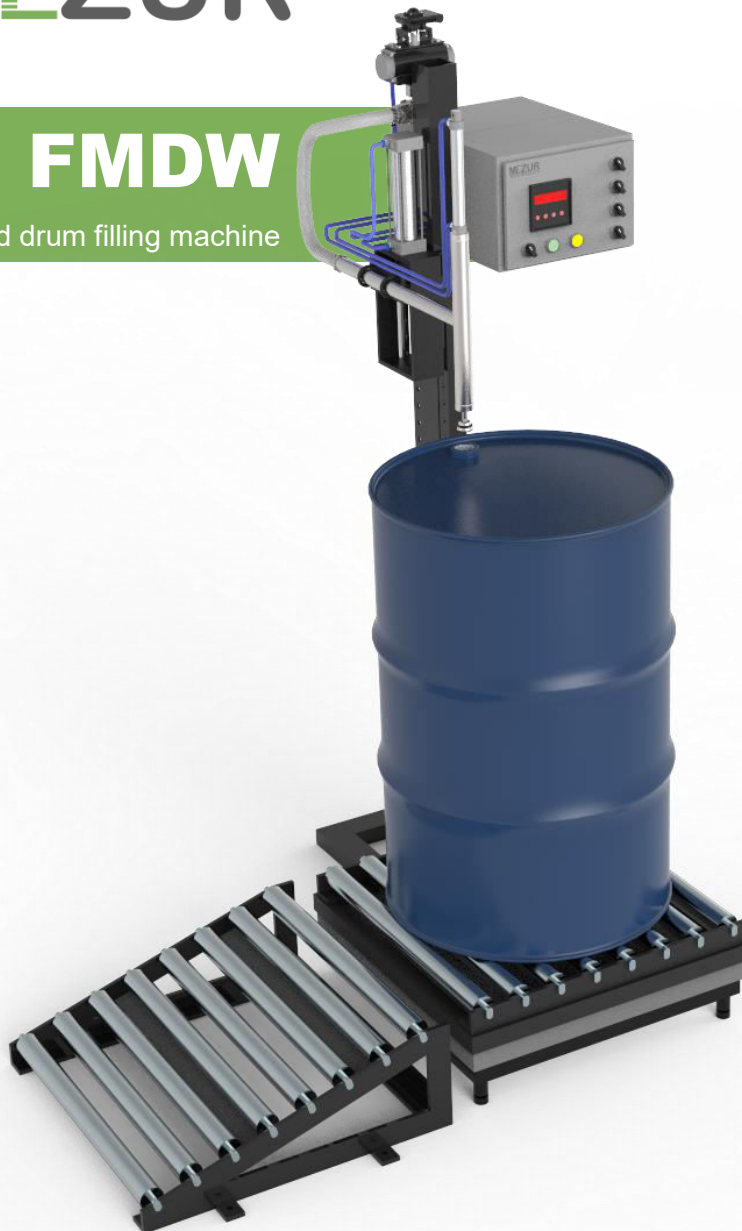


FMDW

Weighing Based drum filling machine



FMDW – Weighing Based Drum Filling Machine is compact, Accurate, robust in design. FMDW consists of a filling controller, weighing platform and a dual stage filling valve. The Filling Controller is microcontroller based with a fast sampling ADC. The Load cell is mounted below the weighing platform to sense the Weight and send signals to the filling controller. The dual stage-filling valve is a pneumatic valve operated in coarse and fine mode to achieve the required accuracy. FMDW minimizes operator exposure to hazardous materials and reduces container handling. It also increases productivity. FMDW is perfectly engineered to meet your liquid filling needs in today's industrial environments. FMDW models are available in options such as wetted parts complete stainless steel SS304/ SS316 with control box Weatherproof / Flameproof.

Features:

- Simple and user-friendly.
- Programmable Set Points for coarse feed, fine feed, in-flight correction,
- Pneumatic & Electric failsafe design.
- Full scale calibration through keyboard.
- No Drum Detection.
- Drum Hole Misalignment detection.
- Auto & Manual mode.

Technical Specification

Capacity	: 50 to 300 Kg / 5 to 50 Kg.
Accuracy	: ± 20 Grms. (Up to 50 Kg) ± 100 Grms. (Above 50 kg).
Platform Size	: 650mm X 650mm 500mm X 500mm
Controller Housing	: Weather Proof / Flameproof
Type of filling Nozzle*	: Fixed / Moving Up & Down / Surface Filling.
Nozzle End Flow cut-off**	: With / Without
Wetted parts	: SS304 / SS316
Structure / Platform	: MS / SS304
Roller on Platform	: With / Without
Idler Roller	: Straight / Angular

*Type of nozzle

Fixed: Nozzle position is fixed and the hole of the Drum is aligned with respect to the nozzle. Whole filling cycle is completed from the top of the drum only. It is suitable for **Viscous & Non Foaming liquids. (Ref. Fig A)**

Moving Up & Down: The nozzle travels some distance from home position to inside the drum hole and then filling start. Whole filling cycle is completed in this position. After filling is completed the nozzle returns to the home position. It is suitable for **Low Viscous & Non Foaming liquids. (Ref. Fig A)**

Surface Filling: The nozzle Travels up to the bottom of the drum and then filling start. Whole filling cycle is completed in this position. After filling is completed the nozzle returns to the home position. It is suitable for **Low Viscous & Foaming liquids. (Ref. Fig A)**

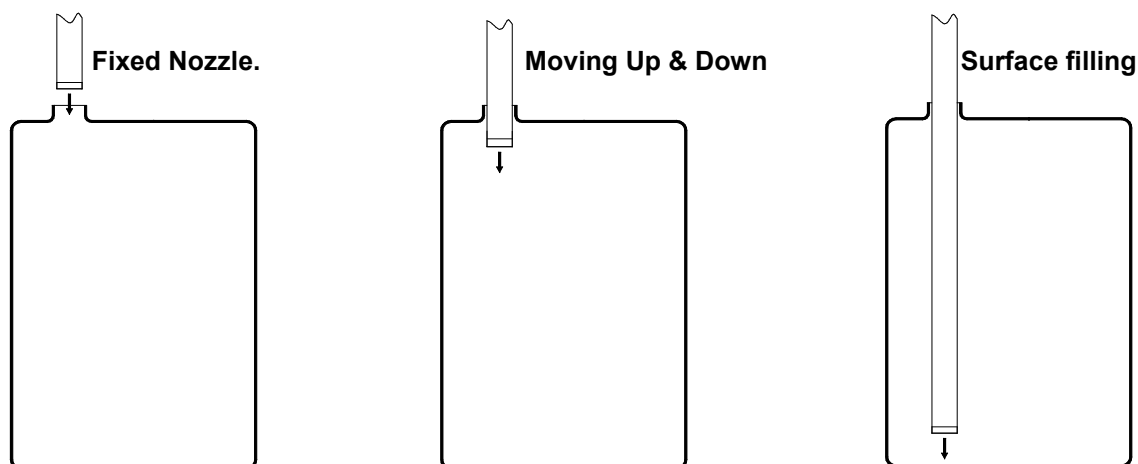


Figure A

****Nozzle end flow cutoff :** A nozzle end flow cutoff is incorporated in design to control product flow precisely and to prevent product dripping after final cut-off. **Refer Fig. B**

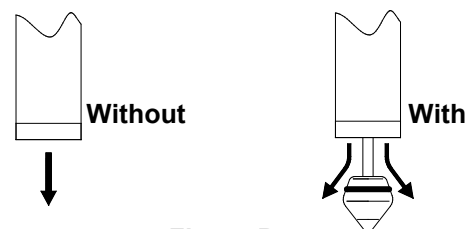


Figure B

Utility Requirement:

Electrical supply	: Single Phase 230 VAC
Air Pressure	: Min. 6 bar pressure 0.5 CFM

Model code (Example)

Order Code

FMDW

Model

A

Model	A	B
Capacity	50 to 300 Kg	5 to 50 Kg.
Accuracy	±100 Grms.	±20 Grms.
Platform Size	650mm X 650mm	500mm X 500mm

*For Other Size & Capacity consult factory.

Controller Housing

W

W: Weather Proof (MS Powder coated)

S: Weather Proof (SS)

X: Flameproof (Aluminum)

Type of Filling Nozzle

M

F : Fixed

M: Moving Up & Down. (standard: 150mm)

S: Surface Filling.

*For Surface filling nozzle, drum height has to be provide.
Consult factory. For more information

Nozzle end Flow cut-off .

W

W: With O: Without (standard for Fixed type nozzle)

Wetted parts

S

S: SS304

X: SS316

Structure / Platform

M

M: MS

S: SS304

Roller on Platform

W

W: With

O: Without

Idler Roller

S

N: None

F: Flat

A: Angular

Model code Example. FMDW-A-W-M-W-S-M-W-S.

Note:

- Model code mentioned in Example is our standard specification.
- For any other custom requirement please mention in bracket "[]" after code.