

## **Drum Filling Machine**



### **Brief Introduction**

SINBON Drum Filling Machine is based on weighing scale to measure liquid weight filled into all kinds of containers, such as drum, IBC etc. Widely used in chemical, food, pesticide industries etc.

### **Advantages**

- It can realize quantitative and accurate liquid filling to ensure consistent product quality
- It can meet the needs of quantitative filling of different barrels and diversified product filling
- Filling volume can be preset independently according to actual needs
- Compared with traditional manual filling, it can greatly improve production efficiency
- The equipment is easy to clean, convenient for daily maintenance work

## Features

- Based on different machine design, machine has some or all of the following functions:
- Multi-level filling: The filling speed can be divided into two levels (fast/slow) or three levels (slow/fast/slow) speed filling to greatly improve the filling accuracy
- Throttle device: prevent liquid splashing caused by the high pressure of the feeding pump when filling low-viscosity liquid
- Drip protection: high-viscosity nozzles solve liquid dripping in the filling of high-viscosity products; low-viscosity nozzles are equipped with drip-proof cups
- Quick replacement: Hoses are all connected by quick-release joints, which is convenient for quick replacement of nozzles, etc.
- Filling mode: Top filling and bottom filling for option. User can set the nozzle lifting speed according to the foaming degree of the liquid.
- Reliable structure: Liquid contact parts are all made of 304 stainless steel, and other non-contact parts are steel painted structure
- Interlocking protection: the system is equipped with multiple protections such as barrel collision protection, tare weight of empty barrel, tolerance protection, brakes on weighing platform etc. to ensure operation safety
- Simple operation: one-button filling, free switching of function modes such as net weight/gross weight, automatic/manual, etc.
- Convenient installation: only need to place the equipment on the ground, connect the liquid infeed pipeline, connect the correct power source and air source, and it can work
- Data statistics: weight accumulation, count accumulation, optional PC connection to facilitate data management
- Auto hole alignment: Drums filling hole is mostly eccentric hole, equipped with this device can solve the inconvenience of manual hole alignment
- Touch Screen: some machines are equipped with touch screen to conveniently preset filling parameters and scale calibration
- Explosion-proof system: optional integral cast iron aluminum explosion-proof electric control box, explosion-proof grade Exd II BT4, protection grade IP65



## Application

- Suitable for filling Coating, paint, printing ink, adhesive, curing agent, resin, dye, detergent, oil, glycerin, lubricating oil, edible oil, essence, solvents, additives, food additives, pesticides and other hazardous chemical products etc.
- Suitable for below different applications

		
50-200kg Metal Drum	50-200kg Plastic Drum	20kg Metal Drum
		
1000kg IBC	5-30kg Jerrycan	20-30kg Plastic Drum
		
10-20kg Plastic Barrel	10-20kg Metal Barrel	Pallet Drum

**Specification**



Model No.	ADF-1200L4/BDF-1200L4	ADF-1200D4/BDF-1200D4
Filling Lance	1pc (Short)	1pc (Long)
Filing Accuracy	±0.1%	±0.1%
Filling Range	50-1500kg/drum	50-1500kg/drum
Filling Model	Top Filling	Bottom Filling
Production Capacity	40-60 drums/hour	30-50 drums/hour
Weighing Scale	L1500xW1500mm	L1500xW1500mm
Suitable for drum	4x200kg drum on pallet or 1000kg IBC	4x200kg drum on pallet or 1000kg IBC
Air Source	0.5-0.7Mpa	0.5-0.7Mpa
Power source	AC220V/AC380V; 50Hz	AC220V/AC380V; 50Hz

Ex-Proof Level	BDF-1200L4: Exd II BT4	BDF-1200D4: Exd II BT4
Capping Device	Handle Capping Tool for option	Handle Capping Tool for option
Motor driven Roller Conveyor (For option)	Infeed: L1500xW1500mm Weighing: L1500xW1500mm Outfeed: L1500xW1500mm	Infeed: L1500xW1500mm Weighing: L1500xW1500mm Outfeed: L1500xW1500mm
Material	Liquid contact parts material is SUS304 (SUS316 for option), non-contact parts material is painted steel.	
 		
Platform Design		With Roller Conveyor

## 50-300kg Single Drum Filling Machine

### Specification

Model No.	ADF-300L1/BDF-300L1	ADF-300D1/BDF-300D1
Filling Lance	1pc (Short)	1pc (Long)
Filling Accuracy	±0.1%	±0.1%
Filling Range	50-300kg/drum	50-300kg/drum
Filling Model	Top Filling	Bottom Filling
Production Capacity	40-60 drums/hour	30-50 drums/hour
Infeed Conveyor	L1200xW700mm	L1200xW700mm
Weighing Scale	L700xW700mm	L700xW700mm
Outfeed Conveyor	L1200xW700mm	L1200xW700mm
Suitable for drum	Single drum	Single drum
Air Source	0.5-0.7Mpa	0.5-0.7Mpa
Power source	AC220V; 50Hz	AC220V; 50Hz
Ex-Proof Level	BDF-300L1: Exd II BT4	BDF-300D1: Exd II BT4
Capping Device	Handle Capping Tool for option	Handle Capping Tool for option
Material	Liquid contact parts material is SUS304 (SUS316 for option), non-contact parts	

material is painted steel.	
	
Top Filling	Bottom Filling

## 5-30kg Jerrycan Filling Machine

### Specification

Model No.	ADF-30H1/BDF-30H1	ADF-30D1/BDF-30D1
Filling Lance	1pc (Short)	1pc (Long)
Filing Accuracy	±0.1%	±0.1%
Filling Range	5-30kg/drum	5-30kg/drum
Filling Model	Top Filling	Bottom Filling
Production Capacity	180-360 drums/hour	180-360 drums/hour
Weighing Scale	L500xW400mm	L500xW400mm
Outfeed Conveyor	L1200xW400mm	L1200xW400mm
Suitable for drum	Single drum	Single drum
Air Source	0.5-0.7Mpa	0.5-0.7Mpa
Power source	AC220V; 50Hz	AC220V; 50Hz
Ex-Proof Level	BDF-30H1: Exd II BT4	BDF-30D1: Exd II BT4
Capping Device	Capping Tool for option	Capping Tool for option
Material	Liquid contact parts material is SUS304 (SUS316 for option), non-contact parts material is painted steel.	





### Company Profile

**Shanghai Yuhang Industrial Co., Ltd.** was established in Shanghai in 2014. It is a subsidiary of HongKong SINBON Industrial Limited. The factory specializes in the design and production of various filling machine, capping machine, labeling machine, metal detector, check weigher, induction sealing machines, packaging-related equipment etc., also provide solutions for complete packaging production lines. The company has attached great importance to product design and quality control since its establishment. The R&D and design personnel are all senior technical personnel in the industry. More than 10 years of rich practical experience in the industry ensure that our products can well meet the actual needs of users and can also be customized according to the actual needs of users. Users require non-standard customized equipment to meet users' different production equipment needs or solve actual production problems. In addition to making good products, we also actively support users in after-sales service, so that users can buy and use with peace of mind. Although most users are far away in time and space, our technical support is always by your side. The products have patent certificates and CE certificates and our equipment is currently working in most countries.

### Contact Us

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