

Drum Unloading System



Application

Tmxflow Drum Unloading System is a hygienic product to be used in food & beverage chemical, and pharmaceutical industries for low or high viscosity products.

System works on base of volumetrically conveying Tmxflow Progressing Cavity Pump, which creates vacuum under the follower plate and that vacuum causes certain pressure on the material in drum, so that pump can have a constant suction.

Fully with CIP cleanable. This pump is also perfect for handling any liquid with low or high viscosity.

The system is equipped with a follower plate with silicon wiper which perfectly cleans the sides of the drum, leading to minimum product waste of less than 1%.

Tmxflow range is compact, efficient and speed of system rates up to 3000 rpm and pressures up to 12 bar.

Operation

Drum unloading system is controlled easily by HMI screen. The system is brought to the desired position with the direction keys and the system is started by adjusting the speed of the pump.



User Benefits

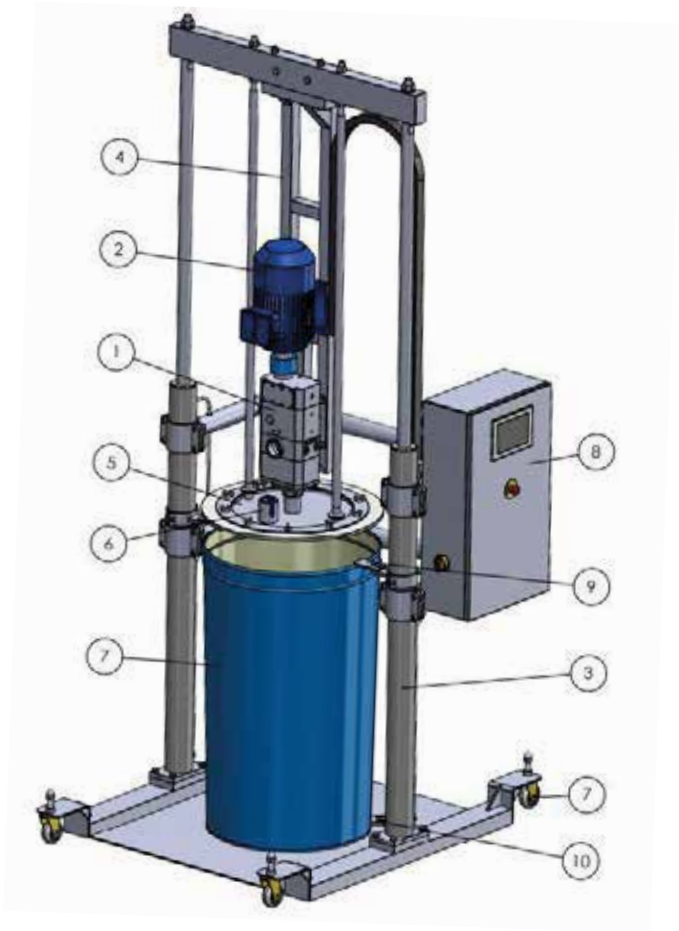
- High efficiency
- Low energy consumption
- Compact size
- Simple to use by HMI
- Reversible operation
- Low shear pumping
- Safety transportable
- Easy maintenance
- Full stainless steel
- Hygienic design

Materials

Parts in contact with the product.....	AISI 316
Other steel parts	AISI 304
Gaskets	EPDM or FPM
Shafts	Stainless Steel
Shaft Seal.....	Single,Double Mechanical Seal
Surface Finish	Ra<0,8 µm
Connections	DIN 11851, SMS, ISO, Clamp
Base Plate.....	Stainless Steel
Coupling Guard	Stainless Steel

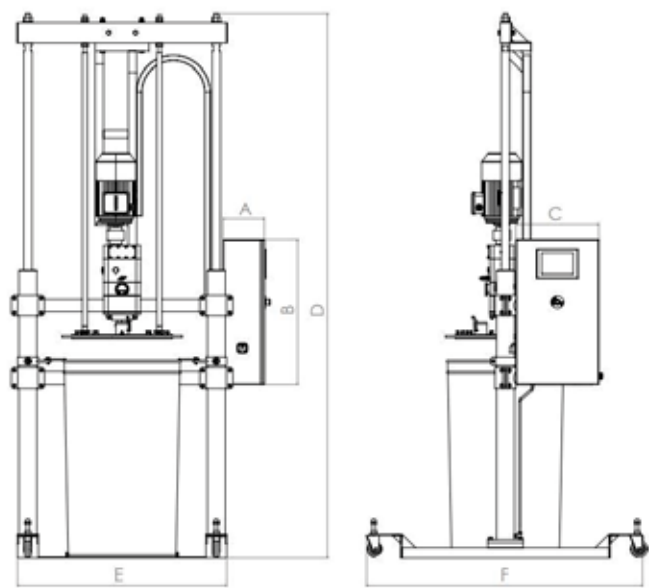
Operating Limits

Maximum differential pressure.....	12 bar
Maximum working pressure.....	12 bar
Temperature range (EPDM).....	-10 °C to +120 °C
Temperature CIP, max. 30 min.....	+140 °C
Maximum speed.....	3000 rpm (50 hZ)



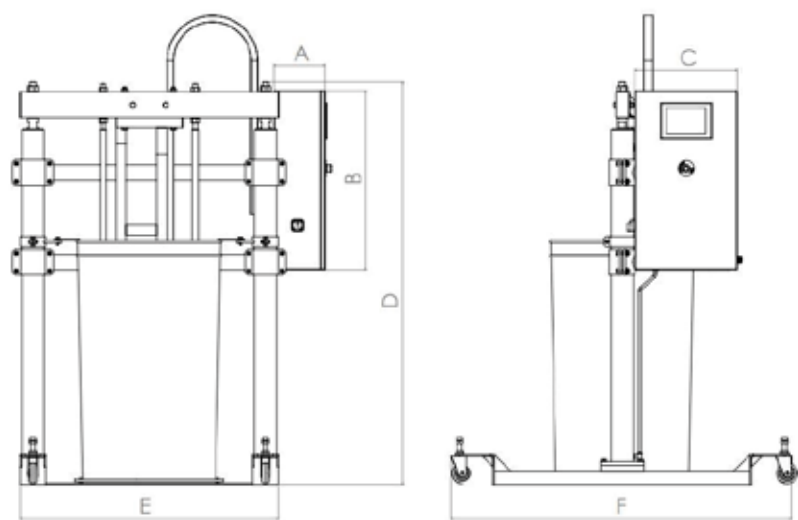
- | | |
|----|-----------------------|
| 1 | Pump |
| 2 | Motor |
| 3 | Piston |
| 4 | Carrying Frame |
| 5 | Follower Plate |
| 6 | Manual Valve |
| 7 | Wheels |
| 8 | Electric Panel |
| 9 | Drum (Barrel) Holders |
| 10 | Slide |

Piston Up Dimensions



DIMENSIONS (mm)					
A	B	C	D	E	F
200	700	400	2630	1010	1330

Piston Down Dimensions



DIMENSIONS (mm)					
A	B	C	D	E	F
200	700	400	1757	1010	1330