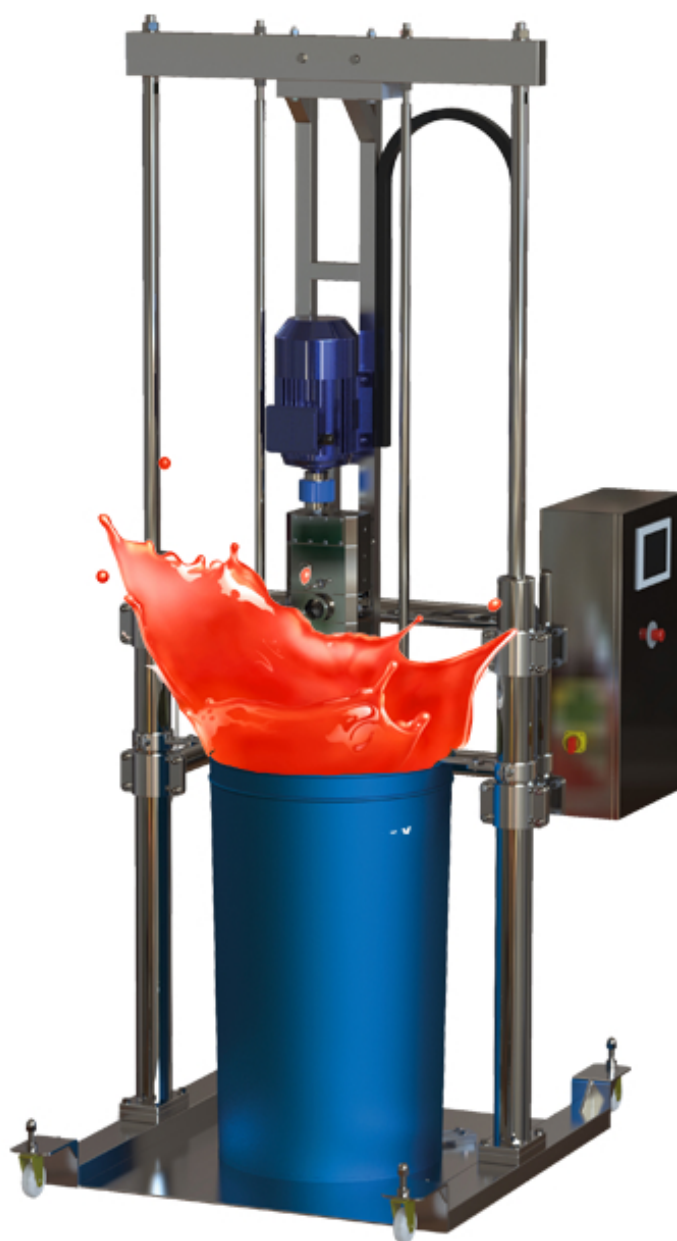


**PRODUCT  
CATALOG**

**TMXFLOW**

***DUS***  
***DRUM UNLOADING SYSTEM***





## 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

## 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 ant 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

These agitators are fixed to the wall of the tank by means of a clamp, thanks to the joint, can be inclined to the required position.

The rotation of the propeller makes the fluid flow the bottom of the tank and then up to the surface of the fluid along the tank wall opposite to the wall to which the agitator is fitted. This effect is promoted if the bottom of the tank is curved.



## Materials

Parts in contact with the product .....	AISI 316L
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

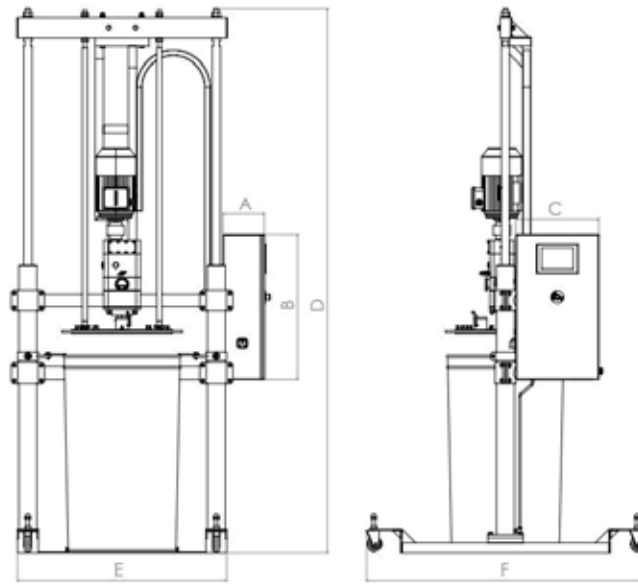
Maximum differential pressure .....	12 Bar
Maximum working pressure .....	12 Bar
Temperature range (EPDM) .....	-10 °C to +120 °C
Temperture CIP, max. 30 min .....	+140 °C
Maximum speed .....	300 rpm (50 hZ)



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

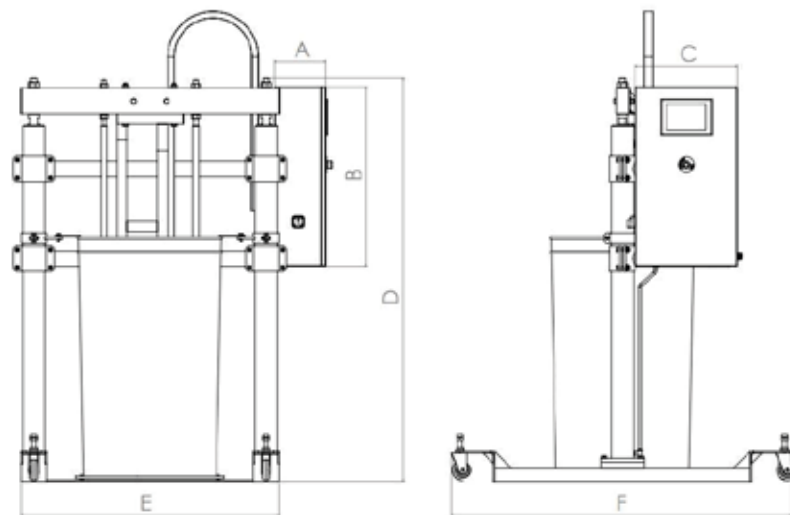
# DUS Drum Unloading System

## Piston Up Dimension



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