PRODUCT CATALOG

TMXFLOW

DUS
DRUM UNLOADING SYSTEM



DUS Drum Unloading System



Application

TMXFLOW Drum Unloading System is a hygenic 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 eqipped 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.

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

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.



DUS Drum Unloading System

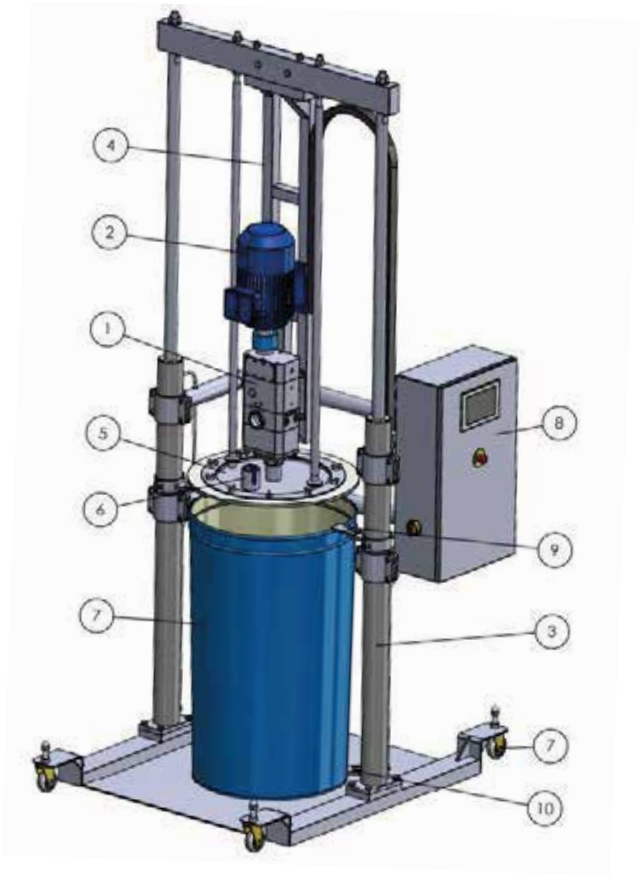
TMXFLOW let it flow

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)

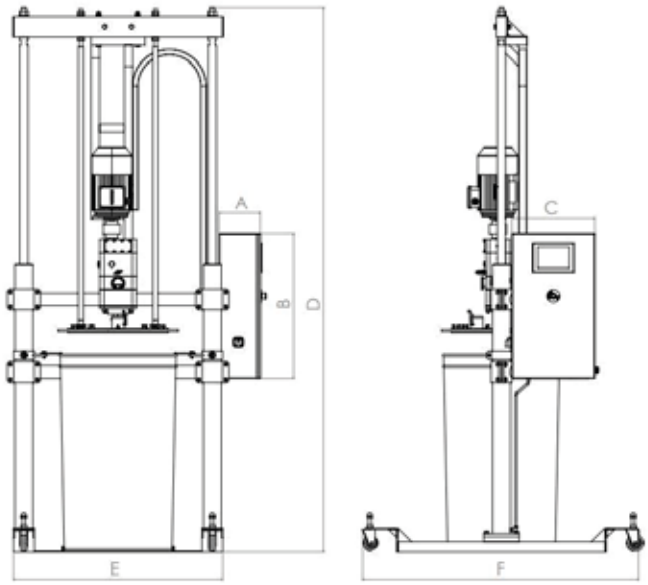


1	Pump	6	Manual Valve
2	Motor	7	Wheels
3	Piston	8	Electric Panel
4	Carrying Frame	9	Drum (Barrel) Holders
5	Follower Plate	10	Slide

DUS Drum Unloading System

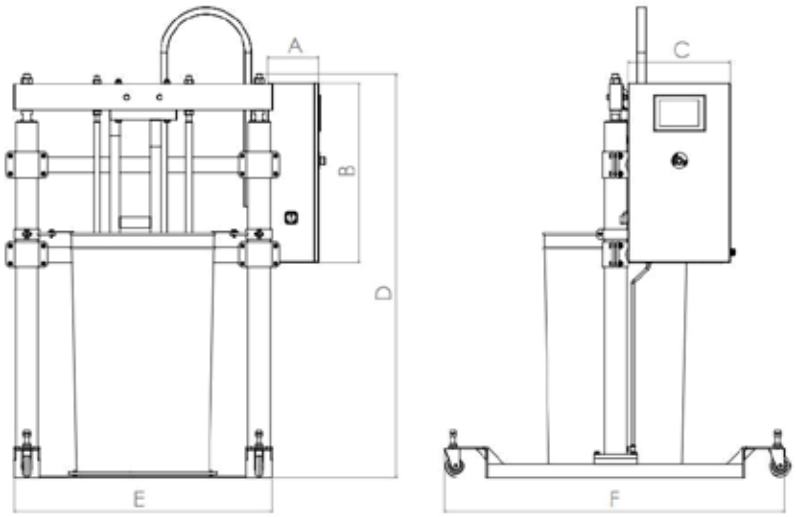
TMXFLOW let it flow

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

www.quantumengineering.be
sales@quantumengineering.be
Quantum Engineering BV
Corsicalaan 9
B-2950 Kapellen