

Technical datasheet

Drum emptying system VISCOFLUX mobile HF

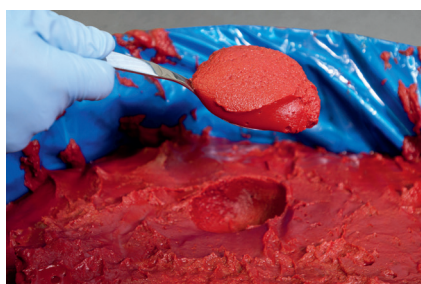


More than just pumps



Advantages / Characteristics

- ▶ Mobile drum emptying system
- ▶ With progressive cavity pump
 - Stator / seal material: EPDM or NBR
- ▶ High delivery rate approx. 50 l/min or approx. 70 l/min in combination with frequency converter
- ▶ Low extension height – max. 2,805 m
- ▶ Cosmetic / FOOD compliant cable routing
- ▶ Pump with cleaning connection
- ▶ Materials, that come into contact with food are available in accordance with FDA and EC 1935/2004
- ▶ 200 l drum emptied in less than 4 min (depending on design and medium)
- ▶ For highly viscous media
- ▶ Chassis width: 970 mm; min. height: 1.98 m
- ▶ 2.48 m extension height (when used with a drum without a pallet)



For pumping highly viscous, even paste-like media such as tomato paste concentrate



Depending on the medium and configuration, a flow rate of up to 70 l/min is possible.



Residual quantity below 1 % even for drums with aseptic bags

Control options



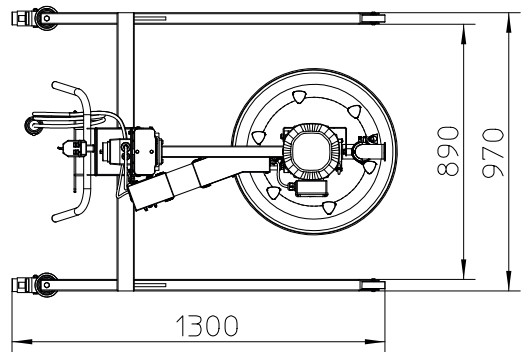
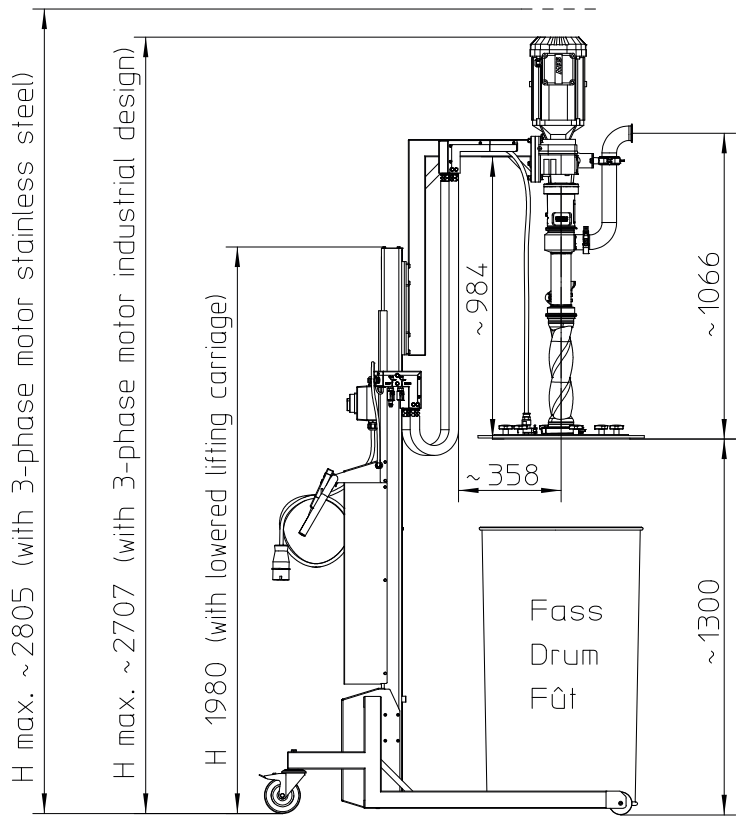
Motor protection switch for switching the motor on and off



Frequency converter
Control unit for starting and stopping the motor with adjustable speed. Compatible with limit switches. External start/stop function possible – also automated via an external system.

Dimensions

Dimensional drawings [mm]



Sample configurations

Conveying triple-concentrated tomato paste - conveying capacity 50 l/min



Components

- ▶ Process unit with 890 mm chassis for free-standing drums and universal pallets for 4 drums
- ▶ Progressive cavity pump for high delivery rate
Connection on pressure side DN 50
Cleaning connection DN 40
 - Stator and seals in EPDM
 - for food contact in accordance with Regulation (EC) 1935/2004 und FDA CFR 21
- ▶ Gear motor 3 kW, 230-460 V, 50-60 Hz, IP55, IE3, cream white paint finish
 - Speed at 50 Hz: 257 rpm
 - at 60 Hz: 311 rpm
- ▶ Motor control via motor protection switch
- ▶ Follower plate for conical drums
- ▶ Food hose DN 50
- ▶ Discharge spout DN 38
- ▶ Bracket for discharge spout

Conveying caramel paste - maximum conveying capacity 70 l/min



Components

- ▶ Process unit with 890 mm chassis for free-standing drums and universal pallets for 4 drums
- ▶ Progressive cavity pump for high delivery rate
Connection on pressure side DN 50
Cleaning connection DN 40
 - Stator and seals in EPDM
 - for food contact in accordance with Regulation (EC) 1935/2004 und FDA CFR 21
- ▶ Stainless steel gear motor 3 kW, 230-460 V, 50-60 Hz, IP69k, IE3
 - Speed at 50 Hz: 217 rpm
 - at 60 Hz: 262 rpm
- ▶ Motor control and speed control via frequency converter
- ▶ Follower plate for conical drums
- ▶ Food hose DN 50
- ▶ Discharge spout DN 38
- ▶ Bracket for discharge spout

Part numbers

Designation	Description	Part no.
Process unit	890 mm chassis width (inside)	10-00122485
Progressive cavity pump with motor 3 kW, 50-60 Hz, IP 55, IE3, cream white paint finish	Seals and stator in EPDM Seals and stator in NBR	10-50000000 10-50000100
Progressive cavity pump without motor	NBR-FDA seal / stator EPDM-FDA seal / stator	10-50000101 10-50000200
Motor	Gearmotor (cream white) 3.0 kW, 400/460 V, 257 rpm Stainless steel gearmotor 3.0 kW, 400/460 V, 217 rpm, IP69k	10-00102202 10-00102197
Follower plate	For conical drums For conical drum - with suction protection For drums with Ø 560/571 mm For drums with Ø 560/571 - with suction protection For oversea drums For oversea drums - with suction protection	10-00122497 10-00122502 10-00122506 10-00122508 10-00122504 10-00122510
Process seal	EPDM conical NBR conical EPDM drum Ø 560 mm NBR drum Ø 560 mm EPDM drum Ø 571 mm NBR drum Ø 571 mm EPDM, small opening NBR, small opening	10-92589085 10-92589086 10-92589087 10-92589088 10-92589089 10-92589090 10-92589091 10-92589092
Control	Motor protection switch without no-volt release 4,2-6,7 A Motor protection switch without no-volt release 6,5-10,0 A Frequency converter Optional for frequency converter: End position switch	10-93606204 10-93606228 10-93606226 10-00122447
Accessories	Food hose DN 50 Mineral oil hose DN 50, NBR Discharge spout DN 38 without bracket Discharge spout DN 38 with bracket Swaged fitting NBR Swaged fitting EPDM Swaged fitting PTFE/FKM	10-00110926 10-00110927 10-95907036 10-95907046 10-95913444 10-95913443 10-95913445
Tool for dismantling the pump	Assembly device pump Double open-end wrench 38/42 Adjustable socket wrench	10-50000015 10-50000016 10-50000017