

FL3 Helical Tri-Lobe Pump

Fristam's FL3 series positive displacement pump provides excellent suction capability, gentle product transfer, and complete CIP cleaning in one pump.

EXCELLENT SUCTION CAPABILITY

Fristam's FL3 Series positive displacement pumps rotor is designed for high suction making the pumps ideal for drum unloading, emptying tanks and handling other applications with entrained air.

GENTLE TRANSFER

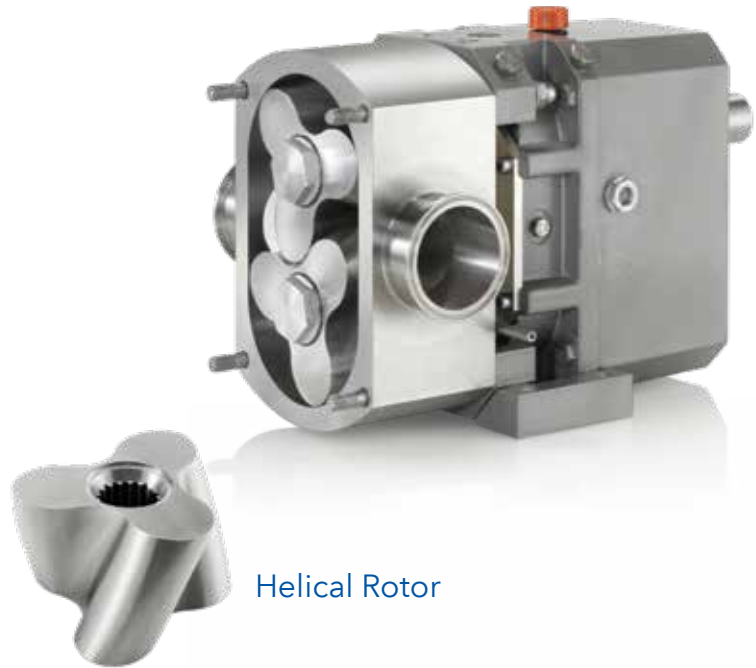
Fristam's FL3 Series positive displacement pump provides gentle product handling with virtually no pulsation. Its special three-wing helical rotor design allows for continuous, gentle displacement. Plus, bi-directional rotation allows for loading and unloading with the same pump.

HIGH SPEEDS - HIGH FLOW RATES

The FL3 is able to operate at high speeds and provide high flow rates, allowing processors to use a smaller pump on most low pressure applications.

PUMPS PRODUCT AND CIP'S ITSELF

The FL3's design also allows the pump to be run at high speeds to facilitate effective CIP, with rotors in place. Consequently the FL3 eliminates the need for separate CIP supply/return pumps and accompanying pipes and valves, saving time and money.



Helical Rotor

GENERAL SPECIFICATIONS

Max. Discharge Pressure: 115 psi (8 bar)

Max. Flow Rate (Product): 150 gpm (34 m³/hr)

Max. Flow Rate (Water): 220 gpm (50 m³/hr)

Max. Viscosity: 100,000 cps

316L stainless steel housing, cover, shaft and rotors

Single or double mechanical seals

Universal mounting standard

CIP/SIP'able

OPTIONS

Jacketed housing and cover

CIP/SIP package

Surface finish to 15 Ra

Electropolish

Passivation

Fristam
PUMPS®

Engineered For Lasting Performance®

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FL3 Model	55	75	100
Gallons Per Revolution (Liters)	0.045 (.17)	0.10 (.38)	0.31 (1.16)
Maximum Revolution Speed (Product)	700 rpm	700 rpm	700 rpm
Maximum Revolution Speed (Water)	1,200 rpm	1,000 rpm	1,000 rpm
Maximum Discharge Flow (Product) (m3/h)	17 gpm (3.86)	53 gpm (12)	150 gpm (34)
Maximum Discharge Flow (Water) (m3/h)	35 gpm (8)	85 gpm (19)	220 gpm (50)
Maximum Discharge Pressure (Bar)	87 psi (6 bar)	115 psi (8 bar)	115 psi (8 bar)
Fitting Size	1.5"	2"	3"