

# TITAN

**PROGRESSING  
CAVITY  
PUMP**

Houston, Texas

*Engineered for High Performance...*



ISO  
9001:2008  
REGISTERED



**The FS Series**



Spare  
Parts



**WORLD CLASS PUMP!**

QUALITY • AVAILABILITY • PRICE

• **PROGRESSING CAVITY PUMPS** •

## PCP... A Proven Performer!

Titan progressing cavity pumps are time tested and proven performers. PC pumps are used in some of the most severe applications.

We offer pump units and packages to meet your specific needs. Our application engineers will help you select the right pump for both, the material being handled, and the overall operating conditions.

Titan progressing cavity pumps are 100% interchangeable with Moyno, L Frame and Tarby TL series pumps.

Gear  
Join Pumps  
available



**Pumps  
or  
Parts!**



## Applications...

- Fracturing
- Pulp & Paper
- Chemical
- Waste Water Treatment
- Mining
- Food Processing

## Pump Features...

- ▶ **Design:** Simple Pin Joint Drive.
- ▶ **Pressures:** To 760 PSI / 52.4 bar
- ▶ **Flow Rates:** Flow capacities to 400 GPM.
- ▶ **Construction:** Available in cast iron or stainless steel. (internally & externally)

## How this Pump Works...

A single helix rotor machined from high strength steel turns inside a double helix elastomeric stator. As the rotor turns, cavities are formed progressing fluid through the pump.



*"Pumping  
By Design"*

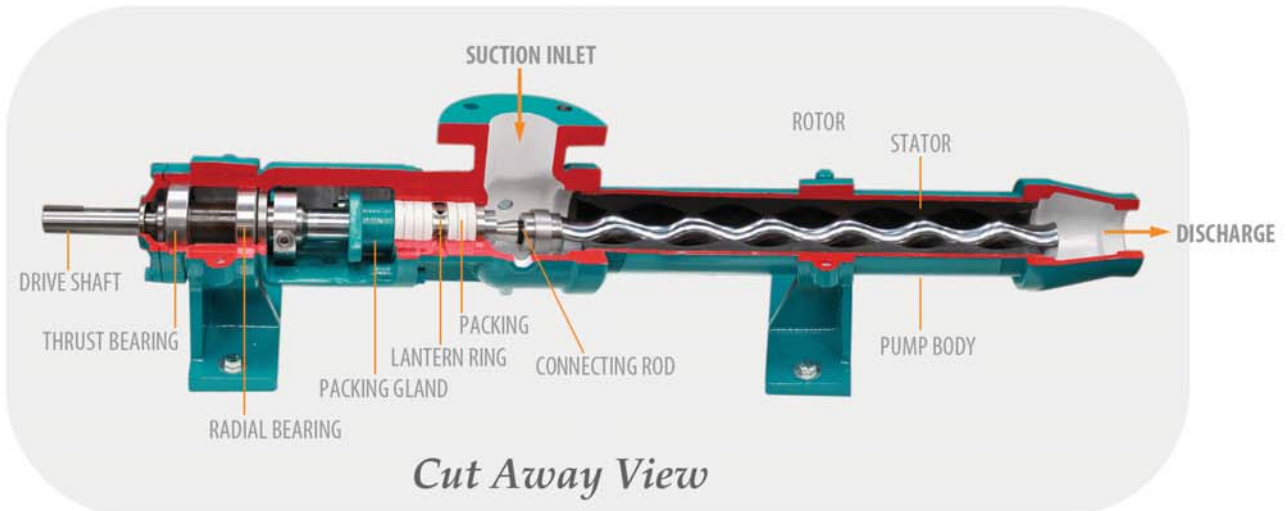


# Gravity Pump

Parts are 100% interchangeable  
with Moyno L and Tarby TL.

## Critical parts & materials...

- ▶ **ROTORs:** are made of hardened steel or stainless steel and are chrome plated to make it corrosive and abrasive resistant.
- ▶ **STATORs:** Are a molded abrasion resistant elastomer permanently bonded in a steel tube.



### Positive Displacement

As the rotor turns within the stator, cavities are formed which progress from the suction to the discharge end of the pump, conveying the process fluid. The continuous seal lines between the rotor and stator keeps the fluid moving steadily at a fixed flowrate proportional to the pump's speed.

Fluids are uniformly discharged without pulsation in a constant steady flow. Displacement remains the same with each revolution of the ROTOR permitting accurate predictable metering relative to the fluid being pumped.

### Reversible

Pump can be operated clockwise or counter clock wise with effective performance.

### Self Priming

Pumping action starts at the time the ROTOR is turned and it is capable of 28 feet of suction lift in a appropriate installation. The liquid being pumped acts as a lubricant between the ROTOR and STATOR and forms a continuous seal.

### Solids in Suspension

Solid particles over a wide range of size and shape as large as 1 1/8 inches in diameter, are pumped with no difficulty.

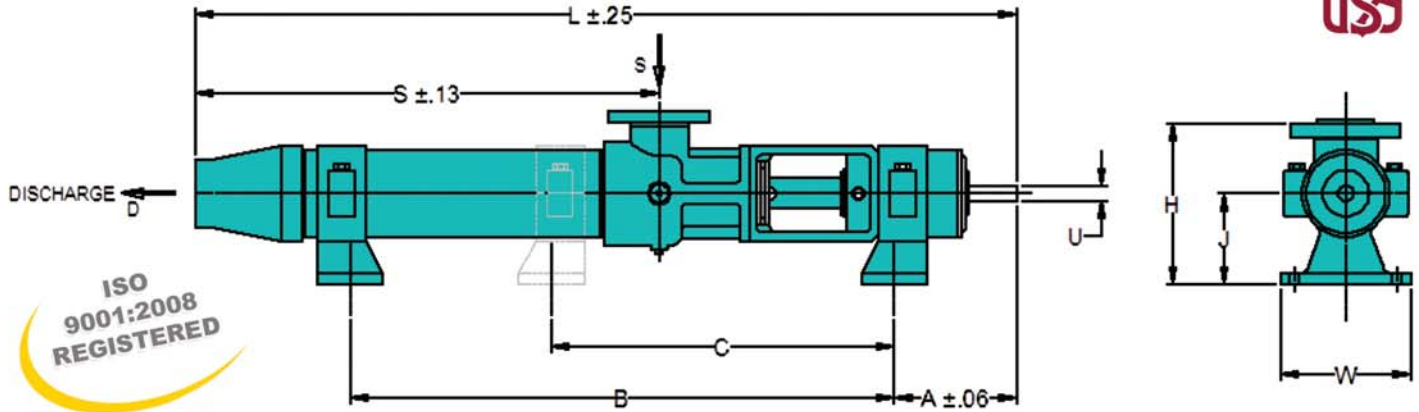
### Installation

Pumps can be mounted horizontally or vertically and the Suction Port can be rotated to match the piping.

*"Quality at its Best"*

Call **TITAN** for Sales & Application Assistance...

Ph: (713) 283.7700 Fax: (713) 283.7600 email: sales@titanpumpsinc.com



Pump Size	A	B	C	H	J	L	S	W	U
Dimensions shown are in inches (millimeters)									
1TTL2	4.25 (108)	8.5 (216)	**	5.88 (149)	3.25 (83)	17.25 (438)	7.56 (192)	4 (102)	0.63 (15.86)
2TTL2	4.25 (108)	10.5 (267)	**	5.88 (149)	3.25 (83)	20.75 (527)	11.06 (281)	4 (102)	0.63 (15.86)
3TTL2	4.25 (108)	12 (305)	**	5.88 (149)	3.25 (83)	24.37 (619)	14.69 (373)	4 (102)	0.63 (15.86)
1TTL3	5.69 (145)	10.75 (273)	**	7.31 (186)	4.13 (105)	22.88 (581)	10.19 (259)	5.5 (140)	0.75 (19.05)
2TTL3	5.69 (145)	13 (330)	**	7.31 (186)	4.13 (105)	28.19 (716)	15.50 (384)	5.5 (140)	0.75 (19.05)
3TTL3	5.69 (145)	16.5 (419)	**	7.31 (186)	4.13 (105)	33.50 (851)	20.81 (529)	5.5 (140)	0.75 (19.05)
1TTL4	7 (178)	16 (406)	**	9.88 (251)	5.5 (140)	30.19 (767)	13 (330)	7 (178)	0.94 (23.81)
2TTL4	7 (178)	22 (559)	**	9.88 (251)	5.5 (140)	37.25 (946)	20.06 (510)	7 (178)	0.94 (23.81)
3TTL4	7 (178)	22.88 (581)	**	9.88 (251)	5.5 (140)	44.38 (1127)	27.19 (691)	7 (178)	0.94 (23.81)
1TTL6	8.56 (217)	20 (508)	**	11.25 (286)	6.25 (159)	39.06 (992)	17.68 (449)	8.75 (222)	1.13 (28.58)
2TTL6	8.56 (217)	26 (660)	**	11.25 (286)	6.25 (159)	49.69 (1262)	28.31 (719)	8.75 (222)	1.13 (28.58)
3TTL6	8.56 (217)	20 (508)	18 (457)	11.25 (286)	6.25 (159)	60.31 (1532)	38.93 (989)	8.75 (222)	1.13 (28.58)
1TTL8	9.25 (235)	27 (686)	**	14 (356)	8 (203)	45.88 (1165)	19.98 (508)	11.56 (294)	1.38 (34.93)
2TTL8	9.25 (235)	32 (813)	**	14 (356)	8 (203)	58.31 (1481)	32.41 (823)	11.56 (294)	1.38 (34.93)
3TTL8	9.25 (235)	25 (635)	24 (610)	14 (356)	8 (203)	70.69 (1796)	44.79 (1138)	11.56 (294)	1.38 (34.93)
1TTL10	13.5 (343)	30 (762)	**	16.69 (424)	9.75 (248)	52.94 (1345)	21.81 (554)	11.69 (297)	1.88 (47.63)
2TTL10	13.5 (343)	35.5 (902)	**	16.69 (424)	9.75 (248)	63.31 (1608)	32.19 (818)	11.69 (297)	1.88 (47.63)
3TTL10	13.5 (343)	30 (762)	18 (457)	16.69 (424)	9.75 (248)	73.75 (1873)	42.63 (1083)	11.69 (297)	1.88 (47.63)
1TTL10H	13.5 (343)	32.56 (827)	**	16.69 (424)	9.75 (248)	58.31 (1481)	27.19 (691)	11.69 (297)	1.88 (47.63)
2TTL10H	13.5 (343)	30 (762)	18 (457)	16.69 (424)	9.75 (248)	73.75 (1873)	42.63 (1083)	11.69 (297)	1.88 (47.63)
1TTL12	18.19 (462)	36.92 (938)	**	21 (533)	12.5 (318)	69.61 (1768)	31 (787)	14.5 (368)	1.25 (31.75)
2TTL12	18.19 (462)	34.61 (879)	20.5 (521)	21 (533)	12.5 (318)	85.30 (2167)	46.69 (1186)	14.5 (368)	1.25 (31.75)
3TTL12	18.19 (462)	41.54 (1055)	27 (689)	21 (533)	12.5 (318)	100.86 (2562)	62.25 (1581)	14.5 (368)	1.25 (31.75)
1TTL12H	18.19 (462)	44.73 (1136)	**	21 (533)	12.5 (318)	77.43 (1967)	38.81 (986)	14.5 (368)	1.25 (31.75)
2TTL12H	18.19 (462)	41.54 (1055)	27 (686)	21 (533)	12.5 (318)	100.86 (2562)	62.25 (1581)	14.5 (368)	1.25 (31.75)

\*\* Not required.