



At Sea Bladder Pumping System P17300

The At Sea Bladder Pumping System consists of a Temporary Storage Bladder (TSB) At Sea Offloading System (OL0810) and an Archimedes Screw Pump Model GT A50 (PU0810). The primary function of the At Sea Bladder System is to provide a system to off-load oil collected by the skimmer systems (P16100, P16300, and P16400) previously pumped into the oil recovery bladder at its nose end and transfer the oil through the bladder's tail end to a product storage container.

System Components for P17300

Alternates

ESSM No	Nomenclature	Type	Qty	NS	Cont
OL0810	OFFLOADING SYSTEM, AT SEA, TSB	BL	1		Y
PU0810	PUMP, ARCHIMEDES SCREW, MODEL GT A 50	Contents	1		

Baseline verified on 2/3/2016, * Not shown in catalog.

**ESSM - OL0810
OFFLOADING SYSTEM, AT SEA, TSB**



At Sea Offloading System OL0810

The TSB At Sea Offloading System (OL0810) is an aluminum pontoon floating frame built around a Lamor GT A 50 Archimedean Screw Pump (PU0810). The system is designed to be bolted on to the tail end of a 21k-gallon Oil Recovery Storage Bladder (OB0810). The primary function of the offloading system is to offload the oil collected by the skimmer system previously pumped into the Oil Recovery Bladder at its nose end.

Specifications		
Type	Description	Qty
Pump		
Manufacturer	Lamor	
Model	GT A 50	
Capacity per 24 hr/day	1509 bbls	
Discharge Coupling	3" Camlock	
Pontoon and Stacking Frame		
Manufacturer	ESSM Facility	
4" x 12' Offloading Floating Hose Assembly		
Manufacturer	ESSM Facility	

AT SEA BLADDER PUMPING SYSTEM

System - P17300

Specifications

Type	Description	Qty
Female Coupling	4" Type F-Camlock	
Discharge Coupling	4" Boss Lock Type D Camlock	

Physical Characteristics

Type	Descriptions		
	Shipping	Operating	
Length	5 ft, 0 in	5 ft, 0 in	
Width	3 ft, 3 in	3 ft, 3 in	
Height	2 ft, 0 in	2 ft, 0 in	
Cube	33 cu ft	33 cu ft	
Footprint	17 sq ft	17 sq ft	
Weight	460 lb	460 lbs	

References

Ref No	Reference
1	ESSM At Sea Offloading System Assembly Manual

**ESSM - PU0810
PUMP, ARCHIMEDES SCREW, MODEL GT A 50**



Archimedes Screw Pump, Model GT A 50 PU0810

The Lamor GT A 50 Archimedean Screw Pump (PU0810) is a component of the At Sea Offloading System P17300. The pump is housed inside an aluminum frame with two pontoons for flotation in the water. During skimming operations, the pump is connected to the Oil Recovery Bladder’s tail end to provide a means of offloading the collected oil previously pumped in through the bladder’s nose end into another product holding storage unit.

Specifications			
Type	Description		Qty
Manufacturer	Lamor		
Model	GT A 50		
Capacity per 24 hr/day	1509 bbls		
Discharge Pressure	174 psi		
Hydraulic Flow Max.	42 gal/min		
Hydraulic Pressure Max.	3045 psi		
Power Requirement	56 max kW		

Physical Characteristics			
Type	Descriptions		
	Shipping	Operating	
Length	2 ft, 0 in	2 ft, 0 in	

Physical Characteristics

Type	Descriptions		
Width	1 ft, 0 in	1 ft, 0 in	
Height	1 ft, 0 in	1 ft, 0 in	
Cube	2 cu ft	2 cu ft	
Footprint	2 sq ft	2 sq ft	
Weight	105 lbs	105 lbs	

References

Ref No	Reference
1	Lamor TG A 50 Oil Transfer Pump Operations Manual