

Oil Transfer Pump GTA SS PDAS, Stainless Steel



The Lamor GTA SS pumps are multipurpose submersible Archimedes screw pumps with a pumping capacity range of 20 to 140 m³/h. These pumps have been designed for use in skimmers and transfer or offloading pump applications. The pump handles a wide range of liquids ranging from water to the heaviest debris-laden viscous oils. The GTA SS pumps can deliver a maximum of 12 bar outlet pressure, benefits from water/steam annular injection on the inlet as standard and debris cutting knife to handle solids such as seaweed, plastics and ropes.

The GTA SS pump range is constructed from Stainless Steel AISI 329 (EN 1.4462) for the casings and stainless, acid proof steel internals with special seals that ensure the pump remains "dry". This hydraulically driven, positive displacement pump with low screw speed avoids further emulsification of the recovered product thus making further separation more efficient.

The special internal geometry of the GTA SS design ensures a gentle pumping action that will not emulsify oily water, and ensures the efficient movement of material through the unit. The pump can also handle solids up to 30 mm in diameter, should the pump become clogged, and it can be reversed to expel the blockage. The GTA's range of impressive features makes it well-suited to many applications, including for use as a transfer pump in oil recovery skimmers, for emergency pumping of heavy crude, bunker oil, or bitumen, for tank cleaning, pipeline maintenance, and for sludge removal from waste oil pits. The Stainless Steel casing also enables the pump to be used in acid content liquids and other harsh environments.

The whole GTA pump range has been extensively tested in the field and has received accreditation from Bureau Veritas confirming their recovery capacities in oils of varying viscosities.



TECHNICAL SPECIFICATIONS

Parameter / Type	GTA 20 SS	GTA 30 SS	GTA 50 SS	GTA 70 SS	GTA 115 SS	GTA 140 SS	Unit
Pump capacity	20	30	50	70	115	140	m ³ /h
Discharge pressure	12	10	12	10	12	10	bar
High torque version	Yes	-	Yes	-	Yes	-	
Length	300	300	400	400	500	500	mm
Width	195	195	250	250	300	300	mm
Height	435	435	500	500	598	598	mm
Weight	36	37	69	67	105	105	kg
Minimum manhole dia.	300	300	400	400	520	520	mm
Discharge outlet (Camlock, standard)	3" male	3" male	4" male	4" male	5" male	5" male	
Hydraulic connectors (standard)	Pressure: SS TEMA 7511 RFV Return: SS TEMA 10021 RFV Drain: SS Aeroquip 3/8"						
Hydraulic flow (max)	80	75	160	92	160	160	l/min
Hydraulic pressure (max)	210						bar
Power requirement (max)	28	26	56	32	56	56	kW

PRODUCT CONFIGURATIONS / OPTIONS

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|---------------------------------|-----------------------------|
| • Hydraulic couplings material: | Stainless steel |
| • Hydraulic coupling type: | TEMA (standard) or Aeroquip |
| • Inlet water injection: | Optional |
| • Outlet water injection: | Optional |
| • Discharge outlet: | Camlock or flange |

FEATURES AND BENEFITS

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| <ul style="list-style-type: none">• Robust Stainless Steel casing and stainless, acid proof steel internals.• Well-suited to many applications. I.e. for emergency pumping of heavy crude, bunker oil, or bitumen, for tank cleaning, pipeline maintenance, and for sludge removal from waste oil pits.• The Lamor GTA SS pump range has received accreditation from Bureau Veritas confirming their recovery capacities with oils of varying viscosities. |
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