Stainless Steel Tank Washing Machine - Up to 20k dwt

Orbitor *Media Lubricated*

The Stainless Steel Orbitor is a self lubricated, self cleaning orbital tank washing machine which has been developed with the co-operation of a major international company. Initially aimed at the industrial market, its unique design, and simplicity of operation and maintenance, means it is ideally suited for use in the more rigorous marine environment.

It is a turbine driven machine with the cleaning medium passing through he machine before being delivered by the nozzles as high impact jets. Due to the internal gearing the high speed of the turbine is immediately reduced allowing the jets sufficient dwell time on the area to be cleaned. It is ideally suited for use with very hot water and due to its very low starting torque it can be used with low supply pressures. A full tank 'quick rinse' facility in built into the machine mechanism.

The Orbitor can be supplied as a fixed or portable machine and can easily be utilised as a multi-level unit in Chemical Carriers. This application is an ideal solution for cleaning horizontal corrugations, difficult structures and anywhere that 100% cleanliness is desired.

The marine version of the machine will normally be supplied as a twin nozzle unit but is available with four nozzles should a denser wash pattern be required. The top connection will be standard 1.5" BSP male but can be altered to customer requirements.

Operating Pressure Range: ..... 3.0 - 12.0 Bar
Operating Temperature Range: ..... Up to 95°c
Typical Inlet Connection: ..... 1.5" BSP
Cycle Times: ..... Various times available

Dimensions:

Length: .....265 mm
Width.....120 mm
Weight: .....6 kg (7 kgs)
Minimum Deck Opening:..125 mm
Overall Nozzle Length: 240 mm (448 mm)

Packed Dimensions:

Length: .....330 mm
Width .....200 mm
Height: .....180 mm
Total Gross Weight .....6.5 kg

Figures quoted in ( ) refer to our High Capacity Machine.
ANCILLARY EQUIPMENT AVAILABLE:
Downpipes, Bonded Tankwashing Hoses, Hose Saddles, Hose Fittings/Adaptors
Please refer to our separate Information Sheets for more details.

Performance Specification:

	Typical Nozzle Diameter											
	5 mm*		6 mm		7 mm		8 mm		10 mm**		12.5 mm**	
Pressure kg/cm²	Flow m³/hr	Jet-length /m	Flow m³/hr	Jet-length /m	Flow m³/hr	Jet-length /m	Flow m³/hr	Jet-length /m	Flow m³/hr	Jet-length /m	Flow m³/hr	Jet-length /m
5	9.9	6.0	6.6	8.0	8.4	9.0	10.5	10.0	17.4	13.0	26.4	13.0
6	10.8	7.0	7.2	9.0	9.2	10.0	11.2	11.0	19.2	14.5	28.8	15.0
7	11.4	8.0	7.8	10.0	10.2	11.0	12.0	12.0	21.0	16.0	31.2	17.0
8	12.2	9.0	8.2	11.0	11.0	12.0	12.8	13.0	22.2	17.5	33.0	18.5
9	12.9	10.0	8.7	12.0	11.7	13.0	13.5	14.0	23.4	19.0	34.8	20.0
10	13.5	10.5	9.0	12.5	12.4	13.5	14.2	14.5	24.2	20.0	35.5	21.0

* 4 x Nozzle Machine ** High Capacity Nozzle Machine (From B.V. Certificates)