



ICTUS M500

Injection Grout Pump - Ideal for use with Multicrete TC3100 Mixer **TECHNICAL DATA SHEET**



ICTUS EQUIPMENT (Pty) Ltd





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DESCRIPTION

The Ictus M500 series is portable and lightweight while robustly constructed. In combination with the Multicrete-TC3100 grout mixer it is mainly used for full-column grouting as in cable-anchoring and also for spraying materials. Combining the air-motor with different riser-tube assemblies (fluid sections) will adapt the pump to suit a particular need. The most important are tabled below.

All the pumps are equipped with a VFO lubricator/filter to ensure clean lubricating air operates the pump. The riser-tube is fitted with a clamp and allows removal of the tube for cleaning without the need of special tools. The pumps come with hoses and fittings to suit the application. The pumps can handle a variety of mixes, from a thin liquid to a viscous grout (1:3 water to cement ratio). Other models can be manufactured to meet special needs (coal mining).

SPECS

SPECIFICATIONS	ICT 121	
Weight (kg/lb)	16	36
Riser Tube Length (mm/in)	650	26
Riser Tube Options (mm/in)	375	15
Riser Tube Diam. (mm/in)	72	2.9
Stroke Length (mm/in)	80	3
Stroke/Minute (5 Bar/90psi)	180	-
Swept Volume (ml/cu.in)	163	9.9

PUMPING CAPACITY

Thick, Viscous Material	9	2.4
Thin, Watery Material	30	7.8
Air Required/min (bar/psi)	3	44
Delivery Pressure (bar/psi) Air	110	1595
Consump. (cu.m/sec/CFM)	.0006	12
Horiz. Pump. Dist. (m/ft)	90	300
Vert. Pump. Dist. Max (m/ft)	14	46
Aggregate Size Max (mm/in)	6	1/4