



## Ace Aquatec Pipeline Stunner – AA-02-012 Technical Information

### Ace Aquatec Pipeline Stunner (AAPS)

Uses	Stun / Kill rainbow trout using the two-part method devised by Silsoe and Bristol University
Performance	Maximum harvest rate selectable between 3 and 12 Tonnes per hour One of three variants covers all UK fresh water – 30uS/cm to 1000uS/cm
Special features	Modular System Design allows adaption to suit customer needs Instantaneous stunning (method approved by the Humane Slaughter Association) No carcass damage Simple user control- one button operation Fully automatic operation

#### Control Unit

Special features	Microprocessor controlled Self-test on power up Real time self-diagnostics will shut down system to prevent fish from incorrect stunning RS232, BIT and Test plug to assist Maintainer
Stun Amplifier	700W continuous operation
Maintenance field	2000W per tray, up to two trays may be fitted
Dimensions	520 x 500 x 300 (400) mm – some models require taller units
Weight	40 to 60kg dependent on model
Material	Coated Steel and Aluminium
Electrical	240VAC single phase (30A)
Rating	IP44 (must be housed under cover)
User Interface	System uses a central Traffic light system to declare its status. These lights are repeated on the front panel and at both ends of the pipeline. Stop/Go button located on front panel and repeated at boxes located at both ends of the pipeline.

#### Pipe

Special features	Assembled from 1 or 2m modules to build up different systems Precision Engineered and smooth walled to ensure no damage to the fish Integral matching electronics for Maintenance tubes
Dimensions	1 or 2m length, 175 by 175mm square construction.
Weight	11kg (1m), 22kg (2m)
Material	10mm HDPV and 1.4mm Stainless Steel electrodes
Coupling	12mm closed cell neoprene gaskets secured with eight 50mm M8 bolts
Pressure	Rated at +/- 0.5 atmospheres (Not suitable for use with oscillating pressures)

#### Cabling and Conduit

Material	Nylon conduit mated to polystyrene junction boxes
Rating	IP66

Maintenance	After Harvest – Drain pipe of all water Monthly – visually inspect pipe for growth – clean if necessary Annually – Check earth continuity. Check for corrosion and replace suspect parts Every 2 years – Replace gaskets
Servicing	Regular maintenance replaces manufacturer' s service.