



FULL TANK

230V HYDRAULIC SWING GATE OPERATOR

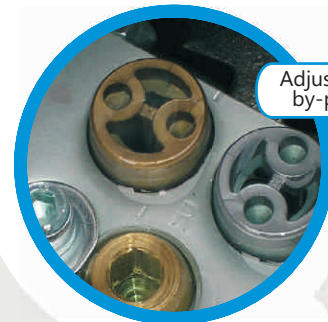
MAX GATE LEAF LENGTH **7M**

CYCLES PER HOUR **70**

LOCKING **3M**



- Hydraulic swing operator for industrial use. Max. leaf length 7000 mm. Three pump versions to allow varying speeds for larger gates. Duty cycle of 70 operations per hour for continuously operated sites
- Manual release with customised key for use in the event of power failure. and tested in-house ensuring the highest engineering standards
- The electric motor and all operational components sit in an oil filled bath ensuring continuous lubrication and rapid cooling for all moving parts
- Extremely quiet, extremely safe
- Thermal overload built into the motor to provide the highest level of protection possible
- Adjustable safety valves in both directions of travel to protect vehicles, the gate and even the automation equipment from excessive forces
- Internal non return hydraulic lock valves provide a high strength locking system for gate leaves up to 2.2 Mtrs in length
- On gate leaves in excess of 2200 mm. additional security can be provided by electro-magnetic or electro-mechanical locks providing the level of protection required for high security sites
- Brass and stainless steel valves and components make the Full Tank operator one of the strongest Industrial gate operators available
- The hydraulic system means that the Full Tank range of operators can operate large Industrial gates, cost effectively, without fault for many years to come
- All constituent parts available for future repair and service requirements minimising costs over the life time of the equipment
- 20 mm diameter solid metal piston rod available in 270 mm or 390 mm versions
- Ball joint front bracket for flexibility and future gate adjustment



Adjustable safety by-pass valves



Manual Release with protective covering



Adjustable Ball Joint front bracket

SEA
The Engineers' Choice!

FULL TANK

Specifications

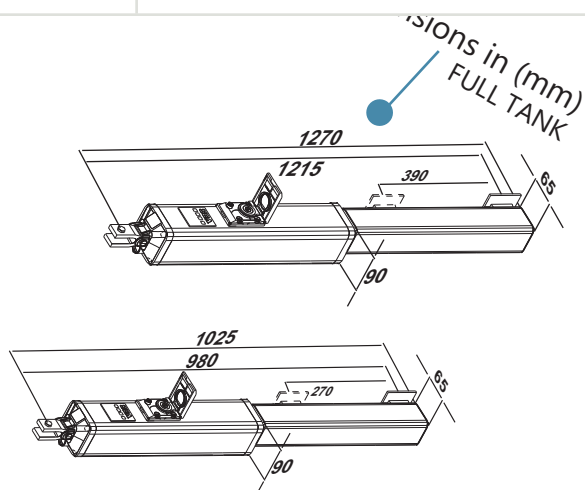
Supply Voltage	230Vac+5% 50/60Hz
Motor Power	220 W
Shaft Stroke	270 / 390 mm
Cycles Hour	70
Operating temperature	-20°C + 55°C
Operator Weight	12.8 / 15.2 Kg
Max leaf length	6.0 / 7.0 mtr
Opening Degrees	90° - 120°
Shaft Speed	1 cm/sec (1 ltr pump) - 1.5 cm/sec (1.5 ltr pump)
Protection class	IP55
Starting Capacitor	12.5 • uF
Max Pushing Force	640 daN

Gate 2 DG Control Panel

- Management of 2, 230Vac motors with or without limit switches
- Automatic logic (4 modes), semiautomatic and step by step logics.
- Electronic slow down in opening and closing.
- Motor run time and pause open time regulation.
- Self-learning operating time for gate with limit switches or encoder
- Self-test on photocells.
- Self-diagnostic system.
- Encoder management (Safety Gate for swing gates).
- Diagnostic dashes on all inputs.
- Extractable connectors for ease of installation.
- Integrated receiver compatible with radio transmitters SMART, HEADROLL and LADYBIRD series (800 users).

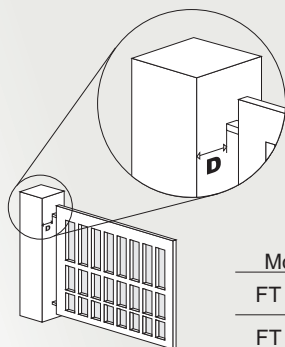
Compatible accessories

- Fully compatible with all SEA accessories.
- Compatible with most manufacturers of audio and video intercom equipment.
- Digital code pads.
- Card reader systems, stand alone and computer linked.
- Time clocks and hold open switches.
- Induction loop free entry, free exit and safety.
- Photocell free entry, free exit and safety.
- Patented rubber mechanical safety edges.
- Vehicle recognition systems.
- Biometric identification systems.



Accessories.

Loop detectors / Photocells / Key pads / Card readers / Transmitters & receivers/ Telephone entry systems / Audio and video intercom systems wireless and cabled. Vehicle recognition systems / Biometric recognition systems / Patented rubber mechanical safety edge / Time locks / Hold open switches.



Model	Stroke	D Max	D Max Recommended
FT 100	270 mm	125 mm	75 mm
FT 200	390 mm	240 mm	130 mm

Gate 2 DG Control Panel



Battery Photocells



SAFETY GATE

Self learning movement sensor for additional safety. SEA patented reversing system for swing gates. EN 12453 & EN 12445 tested

**STOP
&
REVERSE**



Optional Physical Stops

