

Barrier Gate

Superior Performance with ULTIMATE TECHNOLOGY

* Aprigate barrier gate motor gear box corresponding specification and standard :
CE Mark, Conformity Declaration and Manufacturers Declaration ISO 9001

- Protection IP 55
- EMC Directive 89/336/EEC
- Low Voltage Directive 73/23 EEC
- Matsushita micro switch: UL/CSA/VDE/SEMKO approved

** The cylindrical shaped barrier arm is made from extruded aluminium tube and powder coated in white with red reflective tape

** The barrier arm has a **Swing Away Mechanism** which will shear off in case of accidental collision with the barrier arm and to prevent damage to the barrier and barrier arm - selectable

The barrier gate system provides **Automatic Reverse Function** if it hits an obstruction - selectable



Technical Data	Unit	BG 3	BG 4	BG 6
Max. barrier arm length	mm	3000	4000	6000
Opening / closing time	S	1.5 / 2.5	2.0 / 3.0	7.0
Power consumption	A	1.2	1.2	2.5
Power Supply	V	230		
Frequency	Hz	50-60		
Depth	mm	360		
Height	mm	1060		
Housing width	mm	360		
Arm type		Round arm	Rectangular arm	
Arm diameter	mm	76	44.5 x 112	
Gearbox Lubricant	:	Long life & maintenance free synthetic based oil		
*Gearbox	:	High impact die-cast aluminium machined precision		
Housing	:	Manufactured from steel on to a base frame of phosphate and powder coat finished for maximum protection from corrosion		
Performance	:	100% duty cycle		
** Available version	:	Left & Right configuration	Left configuration	
Available color code	:	Orange RAL 2000		

*2 years warranty

** Applicable for BG 3 & BG 4 only



Normal Operation



Swing Away Mechanism



**Swing Away Mechanism

Automatic Reverse Function



Model:
BG 3, BG 4 & BG 6



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We Build Technology for

QUALITY of LIFE

to build a better home...
to make life easier...
to protect properties...



For enquiries, please contact:

Specification is subject to change without prior notice.



Model
aprigate® I
aprigate® II

- Fully powered by electromechanical motor and gears
- Concealed underground
- High quality materials that provide high-corrosion resistance for years
- Designed with waterproof housing for protection against heavy downpour and floods
- DC motor carries the CE mark and manufactured according to ISO 9001 quality system standard

Specification	aprigate® I	aprigate® II
Operating Voltage	24VDC	24VDC
Current Consumption (No Load)	1 Amp	1.5 Amp
Motor Speed	4500 r.p.m	4500 r.p.m
Motor Output Power	90 W	160 W
Motor Torque (kg-cm)	2.6	4.9
Main Shaft Torque (kg-cm)	175	330
Gearbox Housing	High impact die-cast aluminium	High impact die-cast aluminium
Gearbox Lubrication	All weather grease	All weather grease
Gearbox	High impact die-cast aluminium machined precision	High impact die-cast aluminium machined precision
Main Shaft Material	Casehardened steel with tolerance of ISO H7	Casehardened steel with tolerance of ISO H7
Drive Shaft Material	Casehardened steel	Casehardened steel
Clutch	Casehardened steel with surface treatment with self-lubricating bakelite fitted with one spring	Casehardened steel with surface treatment with self-lubricating bakelite fitted with two springs
Sealing Element	Two double sealing lips with spring at shaft	Two double sealing lips with spring at shaft
Gasket Material	Nitrile rubber (NBR)	Nitrile rubber (NBR)
Shaft Rotation Angle	360°	360°
Foundation Casing Material	Die-cast aluminium	Die-cast aluminium
Transmission Type	Rotary lever sized 6mm thick, length 460mm	Rotary lever sized 10mm thick, length 460mm
Static Gate Weight	250kg	500kg
Rotation Speed at 120°	8 sec.	8 sec.
Cable Input	PG 7 thread size with IP 68 sealed compression cable gland	PG 7 thread size with IP 68 sealed compression cable gland



Model
aprigate® ECO

Concealed underground, the **Aprigate ECO** operator will not alter the gate appearance in any way.

The working mechanism of **Aprigate ECO** operators is powered by electro-mechanical motor and gears hydraulics, pneumatics or valves resulting in smooth and whisper quiet gate operation in both directions.

Aprigate ECO incorporates an adjustable friction clutch as a safety feature to its operators that suspend the motion of the gates when met with an obstruction.

In the event of a power failure the gates can easily be pushed by hand because of an inherent reversible clutch system of **Aprigate ECO** operators.

Specification	
Operating Voltage	24VDC
Current Consumption (No Load)	1.5Amp
Motor Speed	4500 r.p.m.
Motor Output Power	25W
Motor Torque (Kg-Cm)	2.0
Static Gate Weight	250 kg
Main Shaft Torque (Kg-Cm)	175
Gear Box Housing	High impact die-cast aluminium
Gear Box Lubrication	Superior Lithium Complex Grease
Gear Box	High impact die-cast aluminium machined precision
Clutch	Adjustable double clutch-steel with surface treatment with self-lubrication fitted with spring
Sealing Element	Sealing lips with spring at shaft
Gasket Material	Nitrile rubber (NBR)
Shaft Rotation Angle	360°
Foundation Casing Material	Die-cast aluminium
Rotation Speed At 120°	8 sec

BOXING ARM

Electro-Mechanical Automated System



Model
BX 24S BX 24

Fast release -
The manual release device has been designed to make operation really easy.

- Anti-crushing mechanism.
With safety in mind, the boxing arm will stop moving if it senses any obstruction along the way. This will prevent any accident from happening.
- Four selectable speed to choose and can manually configure the moving speed of the arm gate according to your preference.
- With optional backup battery, you can be sure that the arm gate can still operate even if AC power cut occurs.

Technical Specification	Model: BX 24S	Model: BX 24
Power supply	230 Vac 50 Hz	230 Vac 50 Hz
Motor power supply	24Vdc	24Vdc
Rate power	25w	25w
Rate current	2.2 Amp	2.2 Amp
Piston stroke	235mm	310mm
90 opening time	8 secs	8 secs
Max. wing width (with lock)	3.00m	3.00m
Max. wing weight	250 kg	250 kg
Anti-crush safety device	electronic	electronic

Model
299 AC MOTOR
299 DC MOTOR



Technical Specification	299 AC MOTOR	299 DC MOTOR
Power supply	230V AC / 50 Hz	24V DC
Operator motor type	Single phase 4-pole / 0.5HP	-
Absorbed power	370W	100W
Current consumption	2A	1A
Motor rotating speed	1400 RPM	2600 RPM
Jogging	S2-15 min	-
Overheating protection	Thermal bimetallic @ 160°C max. to coil	-
Capacitor	16 µF	-
Linear speed	0.18 m/s	0.3 m/s
Maximum torque	18Nm	-
Gate weight	Max. 600kg	Max. 400kg
Transmission output	Teethed solid steel pinion gear	Teethed solid steel pinion gear
Pinion module	4	4
Main shaft material	Zinc plated anti-rust shaft	Zinc plated anti-rust shaft
Gear lubrication	Grease	Grease
Gate position	Vertical mounting	Vertical mounting
Self-locking capability	Available via worm gear	Available via worm gear
Travel limitation	Via matsushita micro switch (UL/CSA/VDE/SEMKO approval) spring limit switches	Via matsushita micro switch (UL/CSA/VDE/SEMKO approval) spring limit switches

- Ideally suited for commercial and residential applications
- Manual key release system with security cover that unlocks the gate and simply be pushed open during emergencies
- Advanced microprocessor control panel equipped with an auto close timer, gate sensitivity system, gate brake system and safety infra-red photo-sensor input