

# BGV

Electromechanical operator for road barriers with boom length up to 7 m, for heavy traffic

Electronic braking device for precise and constant stoppage of the boom

Electric limit switches

Special handle supplied as standard for manual operation in case of emergency

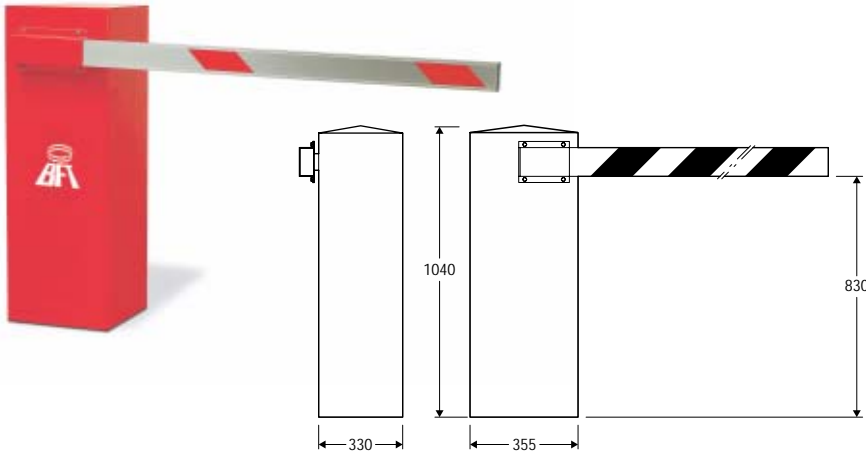
Worm screw gearmotor

Galvanized and painted casing



# BGV

## Electromechanical operator for road barriers with boom length up to 7 m, for heavy traffic



- **Sturdy and reliable**, the BGV barrier is suitable for car parks and passageways with heavy traffic.
- **Boom balancing can be adjusted**, and is controlled by a compression spring.
- **Provided with an incorporated control panel**, BGV is available in low, medium and high-speed versions in relation to its boom length.
- **Also available in stainless steel.**
- **Galvanized and painted casing**

### Technical features

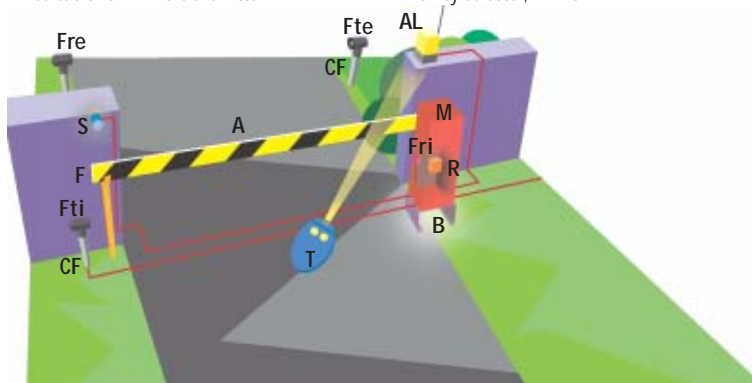
Operators	BGV 30	BGV 45	BGV 60
Single-phase power supply	230V ± 10%, 50 Hz	230V ± 10%, 50 Hz	230V ± 10%, 50 Hz
Absorbed power	180 W	180 W	180 W
Thermal protection	Integrated	Integrated	Integrated
Max boom length	3 m	4,5 m	6 m - 7 m (*)
Opening/closing time	3 sec	6 sec	12 sec
Type of lock	mechanical closing/opening	mechanical closing/opening	mechanical closing/opening
Manual manoeuvre	handle	handle	handle
Type of limit switches	electric, incorporated, and adjustable	electric, incorporated, and adjustable	electric, incorporated, and adjustable
N° manoeuvres in 24 hours	continuous service	continuous service	continuous service
Control unit	ORION G BR	ORION G BR	ORION G BR
Environmental conditions	from -10°C to +55°C	from -10°C to +55°C	from -10°C to +55°C
Degree of protection	IP 24	IP 24	IP 24
Operator weight without boom	600N (~60 kg)	600N (~60 kg)	600N (~60 kg)
Dimensions	see drawing	see drawing	see drawing

Note:  
(\*) with counterweight  
To fit certain accessories to the boom, such as skirts, safety edges etc., reduce the boom length by 1 metre.

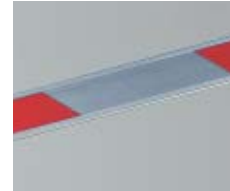
### Example of installation

M Operator BGV 60 with incorporated ORION G BR control panel  
A boom AI 6  
B anchor base BB  
F support fork FAF  
R single-channel rolling-code receiver, suitable for MITTO transmitter

T double-channel rolling-code transmitter, MITTO 2  
Ftx-Frx Pair of photocells, CELLULA 50  
CF posts CC50  
AL blinker LAMPO PA with antenna SL433  
S key selector, INTRO



### Accessories



AI3,4,5,5;6 One piece 3-4,5-5-6 long boom



AT 6, AT 7 6,7 m long round boom



ART 90 Surcharge for 90° articulated bar. (BGV 45-60 only). Reduces boom length by 1 m



ART 180 Surcharge for 180° articulated bar. (BGV 45-60 only). Reduces boom length by 1m



BB BGV anchor base



FAF fixed boom rest fork



SB Fence previously mounted on boom. (Reduces boom length by 1 m)



GAM Moveable boom rest rod

BIR Safety edge. Reduces bar length by 1m

BGV TRI Three-phase uprating for BGV series

### ORION G BR

This control unit is suitable for regulating 1 single-phase motor up to 1 HP. Its function logics include: electronic braking, pre-alarm, 24Vac output for gate-open warning light, automatic closure that can be set, photocells intervention on closing only or for both directions, impulse block on opening 2 or 4 steps; separate open and close control can be provided. The unit uses a protection filter complying with the new regulations.

For system composition and installation refer to the regulations in force in the country where the system is being installed. The indicated data are not binding. BFT reserves the right to make modifications without prior notice.