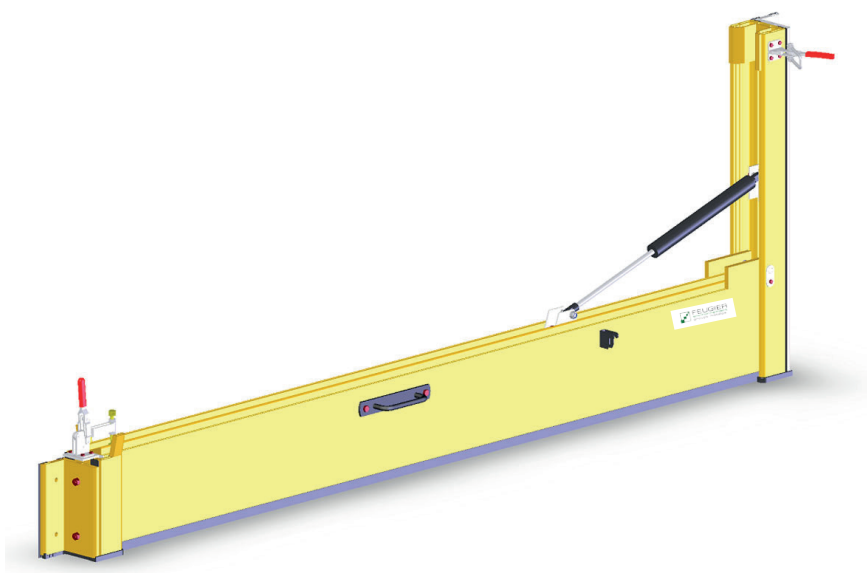


TECHNICAL DATA SHEET

# BIOGARD MANUAL RAISE-ARM BARRIER



**Principle and Operation**..... **1**

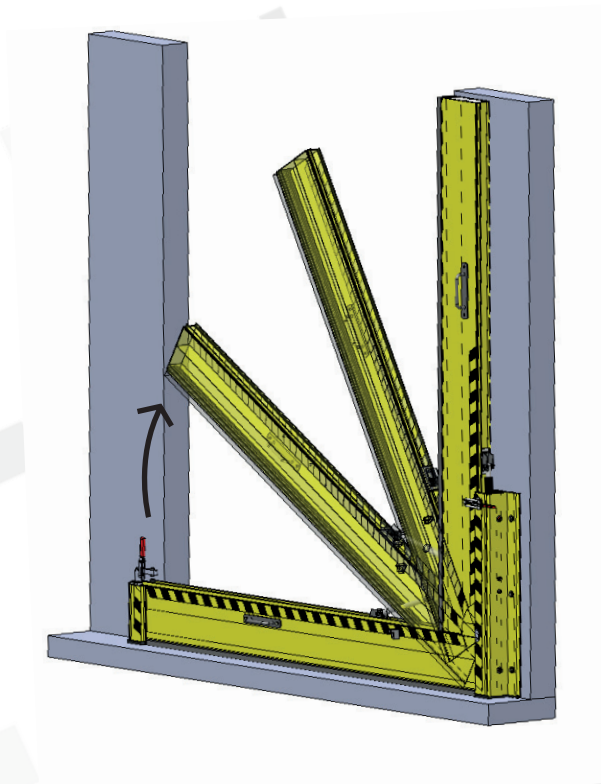
**Technical Characteristics**..... **2**

**Supports and Components**..... **3**



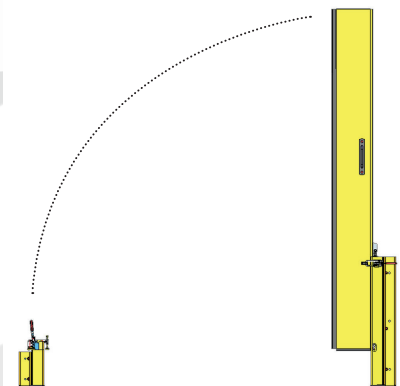
## PRESENTATION

- The BIOGARD manual raise-arm barrier is a containment barrier, placed in front of openings inside or outside a building.  
In a fire or accidental spill of a toxic product, the barrier prevents polluted water and/or fumes from entering the building.  
The opening or closing of the barrier is operated manually.
- The BIOGARD raise arm barrier is fitted with a spring cylinder.  
In lowered position, the opening to the exterior is barred and all pollution risk averted.  
The sill seal is compressed by the pressure of the toggle clamp in the receiving post.



In raised position, the passageway is left free for people and vehicles.

The barrier is held in open (raised) position by a mechanical toggle clamp.





The protection device consists of posts pegged into supports, between which the barrier arm is housed. The arm tilts 90 degrees with the aid of a spring cylinder.

The components are aluminium.

The seals are PDM.

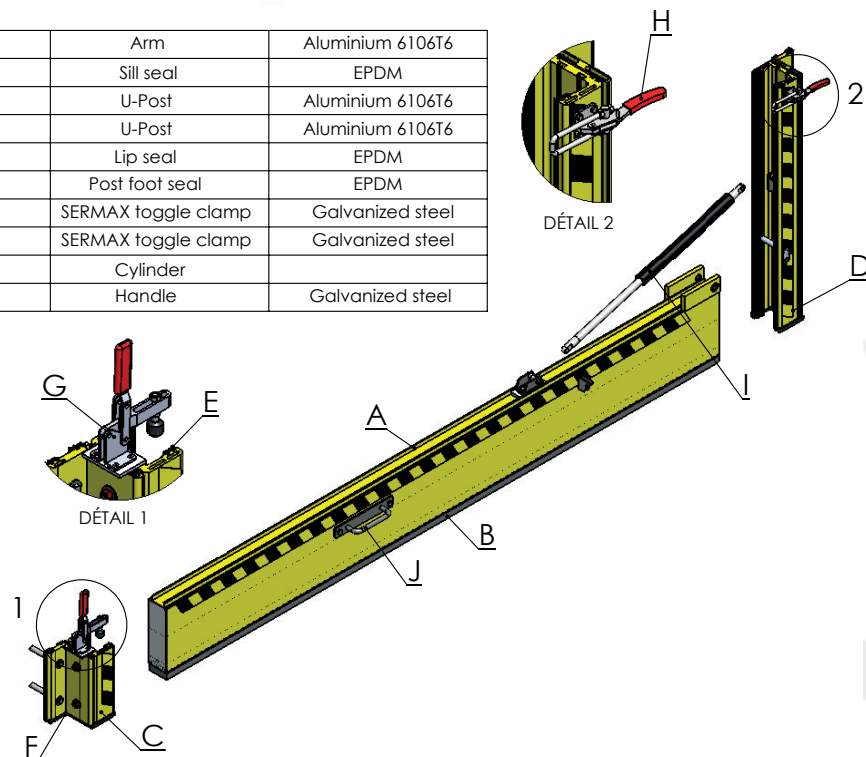
	Type 250
Height of posts	Receiving post: 250 mm Actuating post: 950 mm
Length of arm	1500 à 4500 mm
<b>Weight</b> post arm	15 Kg 15 à 42 Kg
<b>Gas-spring cylinder</b> dimensions pressure	Piston Ø 14 - body Ø 40 - centre-to-centre 455 mm 420 to 2650 N <b>to be confirmed</b>

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The components are aluminium.

The seals are PDM.

A	Arm	Aluminium 6106T6
B	Sill seal	EPDM
C	U-Post	Aluminium 6106T6
D	U-Post	Aluminium 6106T6
E	Lip seal	EPDM
F	Post foot seal	EPDM
G	SERMAX toggle clamp	Galvanized steel
H	SERMAX toggle clamp	Galvanized steel
I	Cylinder	
J	Handle	Galvanized steel



SUPPORTS

Flatness:  
The surfaces of the supports mating with the seals must be perfectly flat.  
Irregularities in the floor should be < 5mm/ml over the length of the span.

SEALS

The seals used are made of EPDM and highly resistant to industrial products.

PROPERTIES: RESISTANCE OF THE EPDM SEAL

The seals used are made of EPDM and highly resistant to industrial products.

Mechanical properties	tear resistance	<div></div>
	in compression	<div></div>
Aging resistance	to air and light	<div></div>
Resistance	to heat and cold	<div></div>
Resistance to liquids	hydrocarbons* (oil, petroleum derivatives,...)	<div></div>
	aliphatic solvents* (white spirit, ethanol fuel,...)	<div></div>
	aromatic solvents (toluene, xylene,...)	<div></div>
	ketones	<div></div>
	chlorinated solvents	<div></div>
	water	<div></div>
	diluted acid detergents	<div></div>
	strong acids	<div></div>
	strong oxidizing acids	<div></div>

Excellent

Très bon

Bon

Assez bon

Moyen

Faible

\*Special-request seals

SEAL REPLACEMENT

Seals have a specific profile and quality.  
Please contact our customer services when replacing them.



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environnement  
groupe metalpe

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