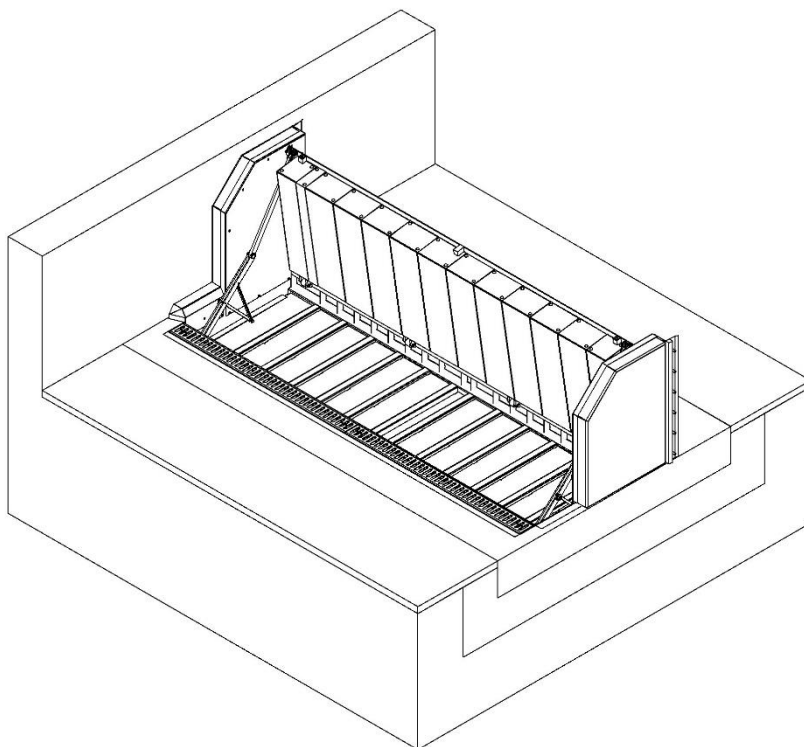


Flood protection barriers

PASSIVE DAM



Operating and maintenance instructions

Verze: 032022.0221EN

Content

1	Introduction.....	3
2	Product description	3
	2.1 Cut through the barrier	4
	2.2 Description of barrier positions.....	5
3	Use and safety conditions	5
	3.1 Principles of use	5
	3.2 Recommended barrier maintenance products	6
	3.3 Maintenance and inspection.....	6
	3.4 Cleaning up after floods	7
4	Service inspection	7
5	Disposal	8
6	Production label	8
7	Warranty.....	8

1 Introduction

Instructions for use and maintenance of the flood barrier contain basic information about the product, use, maintenance, service and safety inspections and other obligations of the product operator. Study the manual carefully and follow all instructions given.

The information in this manual may refer to instructions in the Installation Instructions, Installation Drawing - (see accompanying documentation). The operator must also follow the instructions given in these documents. Non-standard/specific documents always have a higher priority than standard documents.

The manufacturer reserves the right to make technical changes and innovations to the product that do not affect function and safety. These changes may not be included in these instructions. All illustrations in this manual are for illustrative purposes only.



The manufacturer/supplier is not liable for damages resulting from failure to follow the information and instructions in the manual and from incorrect and unprofessional installation of the product!

2 Product description

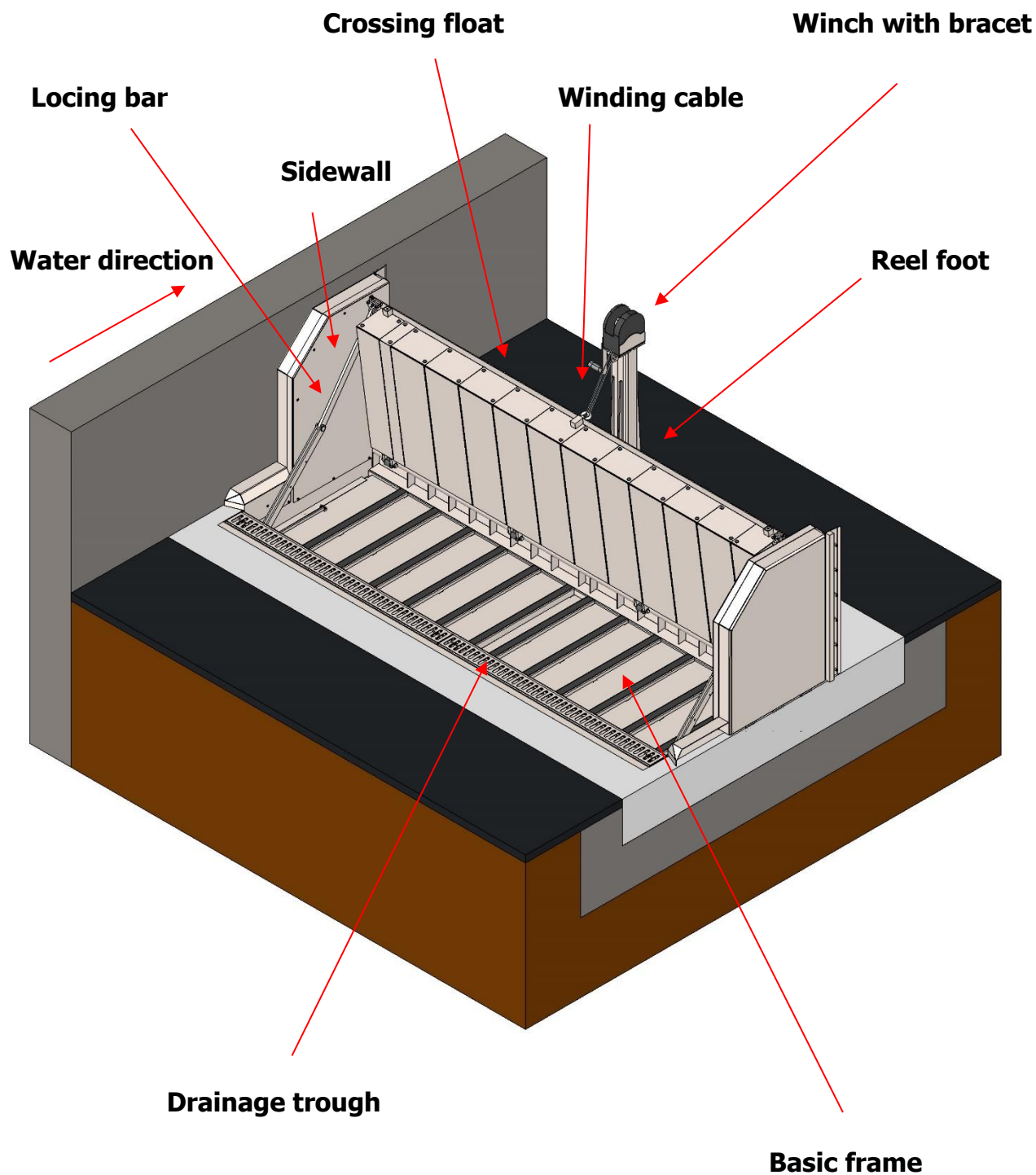
The passive barrier serves as a protection of buildings against storm water. The barrier is permanently concreted in the ground. In the rest position it is freely passable and passable. It is made of high-quality stainless steel and equipped with a standard seal - EDPM rubber. The barrier is activated automatically on the basis of buoyancy. When the drainage trough reaches its maximum capacity, the crossing float rises spontaneously and prevents water from entering. Provided the barrier is in perfect technical condition and clean, it operates without the need for operators, electricity or hydraulics. The crossing float is the floating part of the system that retains the water and does not let it through. The drainage trough is used to drain the water. The device rises with the water level.

The barrier does not need to be manned, so it is not recommended to interfere with the barrier structure. If the barrier does not work for any reason, it is necessary to notify JaP-Jacina authorized service.

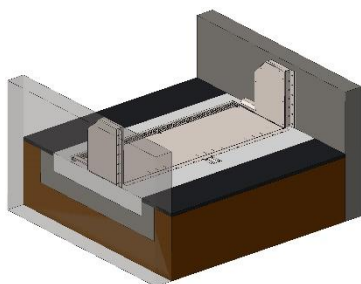


Technical modifications to the product according to specific customer requirements are not included in these Operating and Maintenance Instructions. If technical modifications require special instructions, they are listed in a separate annex to the delivery documentation or are accompanied by specific instructions.

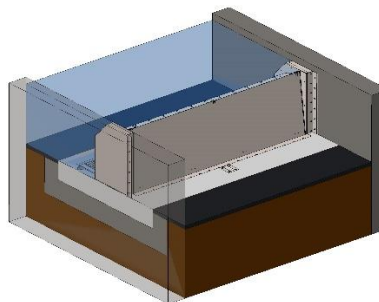
2.1 Cut through the



2.2 Description of barrier positions



Picture no. 1



Picture no. 2

The barrier in Figure 1 is in the so-called rest position, when it is freely passable and walkable.

Due to the hydrostatic pressure of the water, the crossing float rises automatically and holds the water, see Figure 2.

3 Use and safety conditions

Any foreign body or surface irregularities may adversely affect functionality.

For safety reasons, the product must not be handled by children, minors, persons with mental or psychiatric disorders, persons under the influence of alcohol, addictive or narcotic substances and persons who are not instructed in its use.

3.1 Principles of use



It is forbidden to handle it if any object or person is in the work area.

It is forbidden to make changes or modifications to the barrier without the written consent of the manufacturer.

As all construction and design elements are mutually optimised, additional intervention may affect the design or damage important safety components and thus cause loss of function, serious injury and danger to life.



The barrier does not need an operator to raise it, so it is not recommended to interfere with the barrier structure. However, it is necessary to check that the float is not obstructed by anything and can operate safely when the level is raised. If the barrier does not work for any reason, JaP-Jacina's authorized service should be notified.
Cleaning and maintenance.

Regular maintenance can prevent major damage and prolong the life of the product. Always carry out maintenance after flooding. Maintenance must only be carried out by a trained person designated by the operator. During cleaning, wear protective clothing, sturdy footwear and gloves (or other protective equipment) and observe the generally applicable occupational safety regulations!

It is essential to follow the general health and safety instructions and to ensure the health and safety of all persons in the workplace.



If the passive barrier is travelled, the barrier can be crossed at a maximum speed of 10 km/h.

Regular step-by-step maintenance:

- The winch must be mounted in a pre-prepared place for each maintenance
- Raise the crossing float
- Before anchoring the winch bracket, it is necessary to check the winch, the bracket and the correct fasteners to mount it
- Check the anchor plate of the bracket, unscrew the blanking screws
- Mount the bracket with the winch using the supplied fasteners
- Pull the winch cable through the bracket pulley and connect to the crossing float
- Lift the crossing float
- Secure all locking bars
- For safety reasons it must remain secured with the winch
- It is essential to follow general health and safety instructions and ensure the health and safety of all persons on site

Aggressive cleaning products (e.g. acids, alkalis, chlorine-containing products, abrasive cleaning powders, etc.) must not be used for cleaning as they may react with the material and cause permanent damage.

- Cleaning agents can be used, but you need to test them first and follow the instructions in the manufacturer's manual.

3.2 Recommended barrier maintenance products

Before using the preparations, read the instructions for use, indicated on the product packaging!

- For the treatment of sealing elements, we recommend using K Last Super dry lubricant.
- Seal replacement - Unlok anti-seize lubricant
- To effectively maintain the barrier, it is best to use clean water

3.3 Maintenance and inspection

- Regular monitoring must always be carried out in spring and autumn, preferably during the period when water levels are expected to rise.

- If defects are found, they must be rectified immediately. This inspection may only be carried out by a trained person or service technician. The progress of the inspection must be recorded in the log book.

Always be sure to check:

- the functionality and elasticity of the gasket (The gasket must be solid, not deformed, twisted, loose and must fit around the perimeter of the product).
- Functionality and lubrication of the running mechanism (components must be replaced if scrubbed)
- clean and smooth sidewall surface
- integrity of the running plate and grid

Regular maintenance

- Regular maintenance of the seal (lubrication to keep it flexible) is most important
- The interior of the barrier must be cleaned regularly to prevent damage
- Inspect the sidewalls - they must be free of nicks and abrasions
- Check for mechanical damage to the barrier

3.4 Cleaning up after floods

- When using a pressure washer, we must pay extra attention to rubber and plastic parts.
- After washing the barrier, it is essential to let the product dry thoroughly.
- No object must ever be left on the seating surfaces or inside the barrier to prevent the barrier from folding into its resting position. Damage to the internal mechanisms could cause the barrier to malfunction.
- The service technician shall make a record of the post-flooding inspection in the service book.
- After flooding, the drainage pipe must be checked to ensure that it is not blocked and is free to pass.

4 Service inspection

For the proper functioning of the product, the operator is obliged to ensure regular service inspection, which should be carried out at least once every 6 months (or according to the conditions specified in the accompanying documentation).

The service inspection can be arranged at the manufacturer's service centre or at an authorised company. The service inspection can only be carried out by a service technician, not by the operator or a trained person!

The service technician will make a record of the inspection carried out or of any defects found in the Inspection Report. All data must be filled in correctly and truthfully.



It is forbidden to place any objects (pallets, etc.) in the area of the passive dam and 0,5 m in front of and behind the barrier to prevent damage to the barrier and improper functionality of the barrier. (The barrier would not rise in case of flooding)



Handling of foreign objects (pallets, etc.) over the surface of the barrier that are heavier than 12 tonnes can lead to mechanical damage to the barrier and can have a negative effect on the functionality of the barrier.



If steel objects come into contact with a stainless steel float, visual changes may occur.

5 Disposal

The individual parts of the product can be disposed of according to current local environmental regulations.



The manufacturer/supplier is not liable for damages resulting from improper and unprofessional disposal!

6 Production label

- Sample production label

 JaP <i>Jacina</i>		www.jap-jacina.cz info@jap-jacina.cz JaP-Jacina, s.r.o. Nákladní 1486 295 01 Mnichovo Hradiště
Výrobní číslo		
Typ		
Rok výroby		

7 Warranty

The warranty, the warranty period and the recognition of the warranty shall be governed by the generally applicable and recognised provisions of the Civil Code of the Czech Republic or by the special conditions agreed in the Delivery Contract. The duration of the warranty period is set out in the accompanying documentation and commences on the date of delivery of the goods.

In order for the warranty to be valid, it is essential to comply with the instructions set out in these Instructions for Use and Maintenance and other information provided in the accompanying documentation. The warranty period for spare parts is 6 months.

The warranty does not cover defects caused by:

- Normal wear and tear (especially seals, threads, etc.)
- improper installation and use
- negligent care and maintenance, failure to comply with service inspections
- negligence or deliberate damage
- external influences such as exposure to salts, acids, alkaline substances, petroleum substances, high/low temperatures and humidity during storage

environmental influences, etc. (natural oxidation of aluminium is not a defect and does not affect the functionality of the product)

- repair by unqualified persons
- use of non-original spare parts or parts from other suppliers
- removal or damage to the serial number
- natural disaster during storage resulting in destruction or mechanical damage
- use for purposes other than those specified by the manufacturer
- building or structural modifications, exceeding declared load capacities



The lifetime of the sealing elements, which guarantee the correct functioning of the system, is at least 2 years under standard storage conditions. After that, we recommend replacing these elements with new ones!

Notes:

.....

.....

.....

.....

.....

.....

.....

.....



JaP-Jacina, s.r.o.
Nákladní 1486, 295 01 Mnichovo Hradiště

tel.: 800 700 060
email: info@jap-jacina.cz
facebook: JacinaJaP



FLOOD
CONTROL
MOBILE
SYSTEMS



FIRE-PROOF
GATES



ANTICONTAMINATION
BARRIERS



GATES
AND ATYPICAL
GATES



LOADING
TECHNIQUE



STANDARD AND
OVERSIZED GATES

