

WATERPROOF DOOR PPD-1, PPD-2

OPERATING AND MAINTENANCE INSTRUCTIONS
(including safety regulations and warranty conditions)

Valid from 1. 3. 2017



PPD-1

Prevents penetration of water in case of flood, inundation or torrential rain into houses or other facilities. Easy and quick activation when needed.

BENEFITS OF THE SYSTEM

- ▶ Custom manufactured system
- ▶ Design and function as classic leaf door
- ▶ Quick activation (manually or automatically)
- ▶ Proven quality and dependability
- ▶ 100% waterproof
- ▶ Minimum maintenance requirements
- ▶ Elegant solution not impairing the appearance of facility

TABLE OF CONTENTS

1. Introduction	3
2. Description and purpose	3
3. Technical data	4
4. Installation	5
5. Instructions for use	5
6. Safety regulations	6
7. Cleaning and care	6
8. Warranty conditions	7
9. Service inspections.....	8
10. Replacement parts	8
11. Product label example	8

1. INTRODUCTION

These instructions for use contain important information about the product. Please read them carefully and adhere to all directions provided in these instructions. The contractor is not liable for any damage as a consequence of a failure to observe the instructions for use or of unintended use. Please make sure that the instructions for use are available for product users at any time.

DEFINITIONS OF TERMS

USER / OPERATOR

is a person who operates the barrier under normal circumstances. Such person shall be familiar with the instructions for use and all the circumstances relating to safety and described in these instructions. USER / OPERATOR is not qualified to perform any modification or repair of the barrier.

TRAINED OPERATOR

is a person trained by JaP-Jacina s.r.o. and having the basic knowledge of the product design. Such person is authorized to perform regular inspections. The documentation of JaP-Jacina includes a record on training of such person.

SERVICE COMPANY / INSTALLATION COMPANY / SERVICE ENGINEER

is a firm / person having sufficient specialized knowledge and technical tools required for appropriate assembly or maintenance of the equipment. Such firm / person has also been trained by Jap-Jacina s.r.o. and owns its written certificate in a sufficient extent.

2. DESCRIPTION AND PURPOSE

Flood control door (hereinafter as PPD) is intended for sealing the door aperture up to a certain height (depending on type) in case of flooding. Whenever its dealing function is not required, it serves as a standard leaf door. It is provided with a double sided lock, lock cylinder and a handle on its dry side. Door handle (type PPD-1) or grip (type PPD-2) is installed on the wet side. On the wet side a 3 mm thick metal sheet is glued on the door, secured with concealed screws. On the dry side, the glued sheet is 2 mm thick.

In the door leaf, a special inflatable seal is included, which, when inflated to a pressure of max. 3.5 atm, assures that the door is waterproof.

Adhere to the instructions in this user manual for a correct function of your door.

3. TECHNICAL DATA

These instructions for use contain important information about the product. Please read them carefully and adhere to all directions provided in these instructions. The contractor is not liable for any damage as a consequence of a failure to observe the instructions for use or of unintended use. Please make sure that the instructions for use are available for product users at any time.

FLOOD CONTROL DOOR

Largest dimensions	1200 mm x 2200 mm	
Frame thickness	62 mm	
Door leaf thickness	60 mm	
Surface finish	Coating system to ČSN EN ISO 12944-5, for C3 corrosion environment (medium), with medium life (M, 5-15 years) before recoating, NDFT 180 µm.	
Hinge	number depends on door size 2-4	
Filling	Mineral wool	
Anchoring	into concrete and masonry	sleeve FIS E 11x85 M8, screw M8 hex VH, washer 8.4 Zn
	into steel	screw M8 hex VH, washer 8.4 Zn, nut rivet M8 ZH

CONTROL UNIT

Input voltage	230V 1+N+PE	
Frequency	50Hz	
Stable input current at 230V	1A	
Charger startup input current at 230V	30A	
Power consumption from battery 12VDC	0.2 - 13A	
Control and operating voltage	12VDC	
Protection against contact voltage	basic	by automatic disconnection from source
	enhanced	by local bonding
Total compressor running time with battery backup	approx. 45 minutes (depends on number of starts and battery condition)	
Typical compressor running time	for deflated sealing	20 sec
	for pressure correction of inflated sealing	8 sec
Typical time between pressure correction	8 hours	
Typical number of typical pressure corrections with battery	170 (up to a week of operation with fully charged quality battery)	
Protection class	IP 30 indoor / IP20 outdoor	
Indoor environment, heated	power on	0-30°C, noncondensing humidity
	power off	5-40°C, noncondensing humidity
Switchboard dimensions	800x300x200mm	

4. INSTALLATION

The door may only be installed by an engineer (technician) trained for installation by the manufacturer. Door manufacturer or vendor cannot be held responsible for inappropriate installation made by an untrained person. Unqualified installation may cause injury or property damage!

5. INSTRUCTIONS FOR ACTIVATING THE SEAL



A void inserting fingers or parts of your body into the space between door frame and door leaf, danger of crushing.



For PPD-2 door, the lock cylinder cap must be applied in danger of flood.



5.1. MANUAL SEALING INFLATION

Before starting to inflate, make sure that the door is closed and locked. Subsequently open the box, apply your inflating tool (manual pump or compressor, ideally equipped with a manometer to watch the pressure value continuously) to the valve. Inflate the sealing to max. 3.5 atm, this pressure value must not be exceeded (as sealing could be damaged). Disconnect manual pump or compressor and close the box. The door is ready to provide its waterproof function.



Never inflate sealing with the door open, it would be damaged.



Never inflate to over 3.5 atm, as the sealing would be damaged.

5.2. DEFLATING

Open the box and use the valve or compressor pistol to release pressure from sealing. Close the box again. Then unlock the door and use it as a classic door.

5.3. AUTOMATIC INCLATION

The sealing is inflated automatically by control unit, from flood sensor, from button on control unit, or remotely. The door is equipped with automatic closing device that keeps it closed. The closed door status is indicated by sensor. In case of pressure drop, the sealing pressure is automatically corrected. Release the pressure from sealing manually using the button on control unit. Then use the door as a classic leaf door. Control unit function is not affected in case of power failure, as it is equipped with backup battery.



AV oid storing objects within the door and frame function area. This could prevent automatic closing and thus activation of flood control function of the door.



When using the control unit, proceed according to the instructions for use, otherwise it may be damaged and electric shock may occur.

6. GENERAL WARNINGS

Use the door for the intended purpose only and respect all directions in these instructions for use. Pay attention to safety and health protection when operating, maintaining or cleaning the door. Leave any complex adjustments and repairs to trained engineers.



Particularly the following cases involve risk of injury:

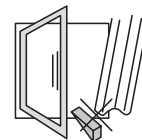
- ▶ Broken or unsecured door leaf falls out of frame
- ▶ A body part is caught between door leaf and frame when closing or in draught,
- ▶ Door leaf strikes because of abrupt and quick opening, draught or wind
- ▶ Unqualified handling with open power switchboard or intervention into electric installation..

Do not attach any load to the door or handle, as this may cause leaf breaking from hinges, its fall and injury.



Do not secure the door in any other than approved way.

Do not leave the latch extended with door open.



Particularly the following cases involve risk of damage to the door:



- ▶ Violent opening of door
- ▶ When the door is secured in open position by latches, pins, etc., draught or closing can cause damage to the door, or break the leaf from hinges

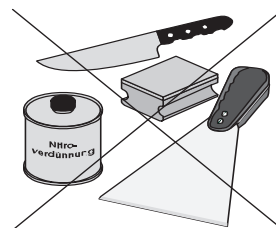


- ▶ intervention into electric installation and repairs of equipment with powered system may only be performed by a person with electrical qualification and tests according to Decree 50/1978 Coll.
- ▶ An unqualified intervention can cause damaging of the control unit and flood control doors. Repairs, replacement of fuses and installation may only be performed with power supply off and physically disconnected battery.

7. CLEANING AND CARE

To clean products provided with surface finish, never use mechanical tools or solvents. Strongly acid and strongly alkaline preparations, as well as surfactants, which could react with the metal, shall not be used.

Use clean water only with a little amount of neutral detergent (pH5-8). The effect of cleaning can be enhanced by using a soft, nonabrasive cloth or tarpaulin. The temperature of cleaned parts shall not exceed 25°C. Do not use steam jets.



Maintenance of varnished parts: common detergent preparations are suitable (e.g. car shampoos).

Regularly maintain sealings. Only use preparations intended for that purpose. In that way you prevent their sticking and conserve their flexibility.

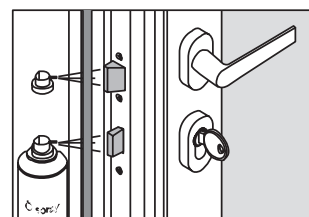
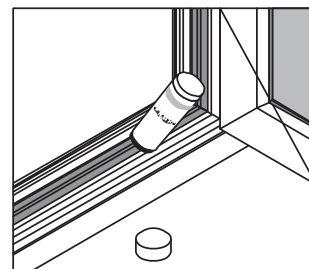
Maintenance of rubber sealing: suitable are preparations containing glycerine intended for treatment of rubber and, at the same time, appropriate for outdoor use (e.g. Kernite SILA K SUPER).

Regularly lubricate door components (locks, closers, ...). Move the components when lubricating.

Lock maintenance: regularly lubricate with a multifunction oil spray (e.g.: WD-40).

Lubricate the door hinges approximately after 20 thousand movements with a suitable lubricant.

Maintenance of hinges: regularly lubricate with a white spray lubricant containing teflon (e.g. MOLYSLIDE 629 White Lubricant with PTFE).



PROTECTION, CLEANING AND MAINTENANCE OF DOOR AND ACCESSORIES

Regular maintenance is fast and easy, and it prevents larger damage and extends product life. To make the door provide a good service for you, carry out a regular maintenance of both the door and frame. Only in that way, longlasting function of your door can be provided. Make a regular function check of your door once a year. This check can be arranged with your service company/engineer.

When the door has been flooded, check its correct function. An inspection of the device may only be performed by the manufacturer or company appointed by the manufacturer (hereinafter as manufacturer).

8. WARRANTY CONDITIONS

Warranty does not apply to the product if its use is contradictory to its purpose and intention as stated by the manufacturer.

8.1. WARRANTY DOES NOT APPLY TO DEFICIENCIES RESULTING FROM

- ▶ Normal wear and tear
- ▶ Incompetent installation, as well as neglected care and maintenance
- ▶ Incompetent commissioning and operation
- ▶ Negligence or intentional damage with consequent mechanical defect
- ▶ External influences such as high temperatures, salts, alkaline substances, acids or uncommon environmental factors
- ▶ Repair made by unqualified persons
- ▶ Usage of replacement parts from other suppliers
- ▶ Removal or damaging of serial number
- ▶ Inadvertent event caused by mechanical damage
- ▶ Use for other purpose than specified by manufacturer

9. SERVICE INSPECTIONS

A prerequisite for validity of warranty period is a service inspection carried out by the manufacturer within one year from device acceptance by the customer or from the previous service inspection. A service inspection by the contractor shall be solicited and paid by the customer. The inspection may be solicited by the device end user when so arranged between the customer and device user, or when the device end user concludes a service agreement with JaP – Jacina s.r.o. as the contractor. In any case, a service inspection may only be carried out by a service company/engineer. In any case, when the door has been flooded, we recommend a service inspection to be carried out in your own interest.

10. REPLACEMENT PARTS

Use exclusively manufacturer's original replacement parts. When this principle is breached, the warranty becomes void.

REPLACEMENT PARTS

When ordering replacement parts, please always indicate the product label data:

- ▶ Serial number
- ▶ Number of pieces required
- ▶ Your identification data

		www.jap-jacina.cz info@jap-jacina.cz JaP-Jacina, s.r.o. Nákladní 1486 295 01 Mnichovo Hradiště
Protipovodňové dveře PPD-1		
Výrobní číslo	11-1-2016-0000	
Plnicí tlak	3,5 atm	
Certifikát číslo	090-034270	

		www.jap-jacina.cz info@jap-jacina.cz JaP-Jacina, s.r.o. Nákladní 1486 295 01 Mnichovo Hradiště
Protipovodňové dveře PPD-2		
Výrobní číslo	11-1-2016-0000	
Plnicí tlak	3,5 atm	
Certifikát číslo	090-034601	

11. 11. PRODUCT LABEL EXAMPLE



To provide for an appropriate and safe function of your door, a service inspection must be performed at least every 12 months. Service inspection is focused on checking of product condition. Performing of that service inspection is necessary with regard to the validity of warranty.

Servicing of flood control door shall be made exclusively by the manufacturer or company appointed by the manufacturer. Where the door has been flooded, its inspection is required in order to ensure its correct function.

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