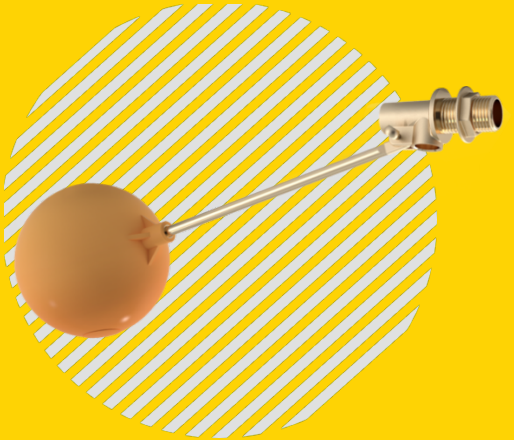
TECHNICAL DATASHEET
WRAS APPROVED FLOAT VALVE

HOME CREATOR



Item No.: HC-10182

1 **CERTIFICATION INFORMATION**

Declaration of conformity: WRAS approved float valve. Confirmation of the approval can be obtained from the WRAS Approvals Directory. (www.wras.co.uk/directory)

Approval Number: 241004739

2 **PRODUCT BASICS**

Product Name: **WRAS APPROVED FLOAT VALVE**

Purpose: The float valve has the function of automatically opening and closing the pipeline to control the water level.

Manufacturer (supplier): HOME CREATOR GROUP LTD.

3 **MAIN TECHNICAL DATA AND CHARACTERISTICS**

3.1 SPECIFICATIONS

Table 1

Connection thread, Inch	1/2 "	3/4"	1"	1 1/4"	1 1/2"	2"
Max . operating pressure PN, bar	14 bar					
Max. medium tempreture , ° C	85					
Seal tightness	15 bar					
Connection thread (ISO 228)	Parallel					

3.2 MATERIAL OF MANUFACTURE AND CONSTRUCTION

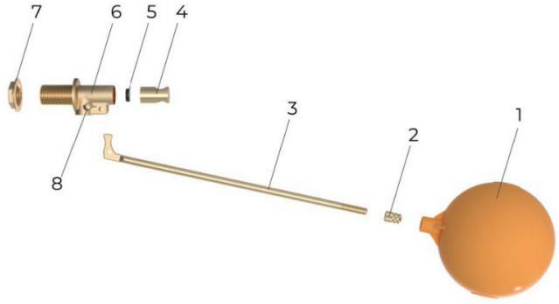
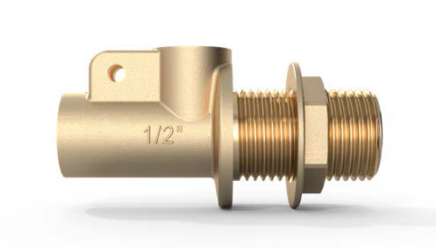


Table 2

Name	Float Ball (1)	Connecting Rod (2)	Connecting Rod (3)	Spol (4)	Rubber Mat (5)	Body (6)	Flange Nut (8)	Pin (7)
Material	PE	Brass	Brass	Brass	NBR	CW617N	Brass	Brass

1. HOME CREATOR brass products are made by hot stamping of brass grade CW617N as per the European standard EN12165.
2. The Rubber Mat is made of N7118F NBR according to European standards

3.3 FLOAT VALVE



3.4 CROSS SECTION

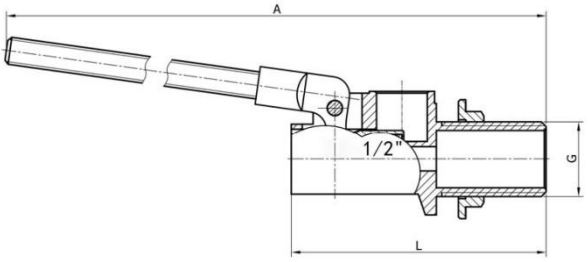
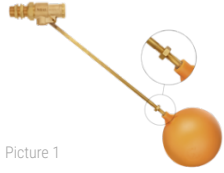


Table 3

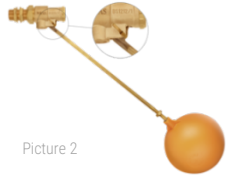
Item	DN	Size	Copper Ball Code	Plastic Ball Code	Copper/Plastic Ball	Weight, g	Overall dimensions, mm		
							G	A	L
HC-10182	15	1/2"	HC-10182BC.G15	HC-10182BP.G15	4 1/2" x 5/16" W	237	1/2"	304	70.5
HC-10182	20	3/4"	HC-10182BC.G20	HC-10182BP.G20	5" x 5/16" W	287	3/4"	302	74.5
HC-10182	25	1"	HC-10182BC.G25	HC-10182BP.G25	6" x 3/8" W	627	1"	405	87.5
HC-10182	32	1 1/4"	HC-10182BC.G32	HC-10182BP.G32	8" x M12	1441	1 1/4"	435	165.5
HC-10182	40	1 1/2"	HC-10182BC.G40	HC-10182BP.G40	10" x M12	1508	1 1/2"	435	168.5
HC-10182	50	2"	HC-10182BC.G50	HC-10182BP.G50	10" x M12	1519	2"	435	168.5

4 INSTALLATION AND OPERATION

4.1 Before installing the float valve, remove impurities from the water pipe.
4.2 A ball valve should be installed at the front end of the water inlet pipe to facilitate future maintenance.
4.3 Open the ball valve at the front end of the pipeline, check whether the connection points of the float valve are leaking, and whether the float is open and closed normally.
4.4 Be careful not to use the connecting rod part as the focus to avoid damaging the product performance.
4.5 Fit the ball float to the end of the float valve and secure by tightening the nut up against the ball float connection. (Picture 1)
4.6 Check the pin securing the float arm to the valve is fitted correctly and not able to fall out. (Picture 2)



Picture 1

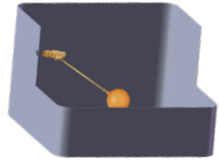


Picture 2

4.7 Remove one of the backing nuts from the inlet shank. (Picture 3)
4.8 Fit the valve to the cistern. (Picture 4)



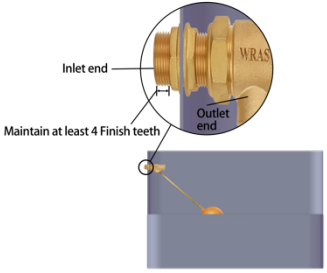
Picture 3



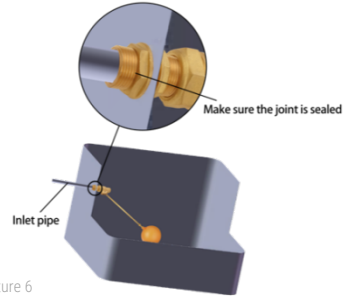
Picture 4

4.9 Fit the backing nut to the shank on the outside of the cistern. Do not over tighten the nut. See details on positioning in the image below. (Picture 5)

4.10 Secure the water supply pipe to the valve inlet and tighten with spanner Do not over tighten. Turn on the water supply and check for leaks and for correct operation. (Picture 6).



Picture 5



Picture 6

5 DESCRIPTION AND WORK

Floating ball valves always float on the water, and when the water rises, the float also rises. Floating ball valve rises to drive the connecting rod to rise. The connecting rod is connected with the valve at the other end. When it rises to a certain position, the connecting rod supports the rubber piston pad and closes the water source. When the water level drops, the floating ball valve also drops, and the connecting rod drives the piston pad to open.

6 MAINTENANCE

6.1 Articles must be operated within the values specified in para. 3, para. 4 of this technical passport.
6.2 To extend the service life of sealing elements, it is recommended to open / close the HOME CREATOR float valve at least 1 time in 6 months.

7 STORAGE AND TRANSPORTATION CONDITIONS

Products are transported in the packaging of the manufacturer in accordance with the rules operating on the mode of transport used.

8 RESOURCES, LIFETIMES AND MANUFACTURER'S (SUPPLIER'S) WARRANTIES

8.1 Average full service life of a float valve: 30 years.
8.2 The manufacturer (supplier) guarantees the operability and compliance with the safety requirements of the product if the consumer complies with this technical passport HC-10182.
8.3 Warranty period: 5 years from the date of sale to the end user / from the date of commissioning of the object. The warranty covers all defects caused by the manufacturer.
8.4 When making claims about the quality of the goods, the buyer provides the following documents:
8.4.1 An application in any form, which indicates:
a) Name of the organization or F. And. About. buyer, actual address, contact phone number;
b) The name and address of the organization that carried out the installation of the product; c) a brief description of the malfunction of the product.
8.4.2 A document confirming the purchase of the product (cash/sales receipt, waybill, receipt, etc.).
8.4.3 Photos of the product confirming its malfunction, or the product itself.
8.4.4 Act of hydraulic testing of the system in which the product was mounted.
8.4.5 Completed warranty card.
8.5 The warranty does not cover defects arising from:
8.5.1 Violations of the passport regimes of storage, transportation, installation and operation of the product.
8.5.2 The presence of traces of extraneous interference in the design of the product.
8.5.3 Effects of substances aggressive to the materials of the product.
8.5.4 Effects on the product of excessive force.
8.5.5 Impact on the product of fire, natural disasters and other force majeure circumstances.
8.6 The warranty also does not apply in cases where the manufacturer's markings are partially or completely changed, erased, removed or illegibly visible.
8.7 In case of unreasonableness of the claim, the costs of diagnostics and examination of the product are paid by the buyer.
8.8 Manufacturer HOME CREATOR GROUP LTD reserves the right to make changes to the design of the product that do not affect the declared technical characteristics.
8.9 Claims for the quality of the goods can be made during the warranty period at the address of the manufacturer HOME CREATOR GROUP LTD.

9 CERTIFICATE OF ACCEPTANCE AND PACKAGING

9.1 Float valves packed by the manufacturer.
9.2 Packaging ensures the safety of products subject to compliance with clause 7.
9.3 The materials and substances used for packaging are safe for people and the environment.
9.4 The float valve is in the open position.
9.5 The batch of float valves is recognized as suitable for operation and is accepted with 100% control at RPR = 2.5 * PW.

Date of manufacture		QUALITY Mark	

10 **NOTE**

WARRANTY CARD No _____

Name: WRAS APPROVED FLOAT VALVE

Article: HC-10182 Quantity: _____

Name and Address of the trading organization: _____

Date of Sale: _____ Seller's full name / Seller's signature, Stamp / seal of the trading organization: _____

I agree with the terms of the warrant: _____

Product Return Mark: _____

Buyer's signature: _____

Date / Signature: _____

View your passport Online:

WARRANTY PERIOD: 5 YEARS

Warranty is provided.
According to paragraph 8 of the technical passport HC-10182

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