TECHNICAL DATASHEET

BRASS BIBCOCK WITH LEVER HANDLE

HOME CREATOR



Item No.: HC-32001 HC-32001DR

1 CERTIFICATION INFORMATION

Declaration of conformity: According to market norms, this brass bibcock with lever handle complies with established standards..

2 PRODUCT BASICS

Product Name: BRASS BIBCOCK WITH LEVER HANDLE
Purpose: It is used as a shut-off bibcock in pipeline systems (water supply, household drinking), transporting any media that are not aggressive to the materials.
Manufacturer (supplier): HOME CREATOR GROUP LTD.

3 MAIN TECHNICAL DATA AND CHARACTERISTICS

3.1 SPECIFICATIONS

Table 1

Bibcock for connecting plumbing fixtures			
Connection thread, Inch		1/2"x3/4"	3/4"x1"
Nominal pressure PN, bar		20.0	
Working temperature range, °C		0 to 100 C	
Ambient temperature, °C		4 to 60	
Maximum torque on the handle		10	
Seal tightness		Class "A"	
Connection thread (ISO 228)		Parallel	
Uptime	Average full service life	30 years old	
	average full resource	55,000 cycles	
	MTBF	25,000 cycles	

3.2 MATERIAL OF MANUFACTURE AND CONSTRUCTION

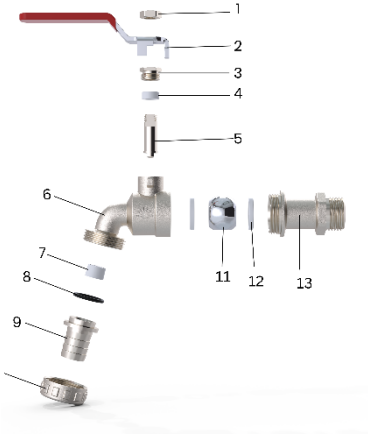
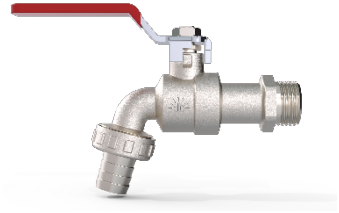


Table 2

Name	Material
Nut (1)	Stainless Steel
Handle (2)	Steel
Packing nut (3)	Brass
Packing (4)	PTFE
Stem (5)	Brass
Body (6)	Brass CW617N
Diverter (7)	**ABS**
Washer (8)	EPDM
Outlet (9)	Brass
Cap (10)	Brass
Ball (11)	Brass
Seats (12)	PTFE
Bonnet (13)	Brass CW617N

1. HOME CREATOR brass products are made by hot stamping of brass grade CW617N as per the European standard EN12165.
2. The Rubber washer is made of EP8018F EPDM according to European standards.
3. Sealing products are made of PTFE according to the European standard EN 13000-2.
4. We can also provide this item in DZR brass upon customer request.

3.3 BIBCOCK



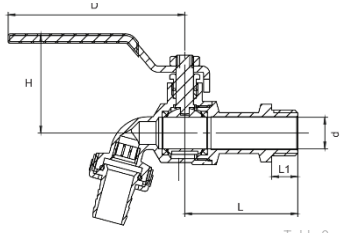


Table 3

Item	Size	L (mm)	L1 (mm)	H (mm)	d (mm)	D (mm)
HC-32001	1/2"x3/4"	52	12	45.6	14.5	81.3
HC-32001	3/4"x1"	57	13.5	49.7	18	104

3.5 MAXIMUM PRESSURE CONDITIONS

Table 4

Item	Max Pressure (bar)	Min/Max Temperature (℃)	Test Pressure		Max Pressure (psi)	Min/Max Temperature (℉)	Test Pressure	
			Shell (bar)	Seat (bar)			Shell (psi)	Seat (psi)
HC-32001	20.0	0 ℃ -100 ℃	30.0	22.0	145.0	32℉ +212℉	435	319

4 INSTALLATION AND OPERATION

4.1 Installation of a bibcock should be carried out by a specialist or a specialized organization in accordance with the Installation Requirement Notes (IRNs) "WRAS water regulation approval schedule".

4.2 The bibcock can be installed in any mounting position, both horizontal and vertical. Any direction of the working medium is allowed.

4.3 Sealing of threaded connections should be carried out using standard sealing materials.

4.4 The bibcock should not experience loads from the pipeline (when bending, compressing, stretching, torsion, braiding, vibration, uneven tightening of the fasteners, etc.)

4.5 Upon completion of the installation work, it is necessary to carry out individual tests of the equipment with the preparation of the act.

4.6 The bibcock shall be operated in accordance with the characteristics specified in paragraph 3. of this technical passport.

4.7 When installing a bibcock, in order to prevent the formation of cracks and chips on the coupling ends of the bibcock, as well as deformation of the bibcock body or depressurization of the connection point of the semi-hulls, it is recommended to use standard carob Keys.

4.8 During installation, when tightening the bibcock, the key must be captured by the hexagon of the housing closest to the connection thread. It is not allowed to exceed the tightening moments indicated in the table below:

Size, inch	1/2"x3/4"	3/4"x1"
Connecting thread tightening torque, Nm	30	
Tightening torque of the union nut, Nm	15	

4.9 To exclude possible contaminants associated with the installation of the bibcock (excess sealing material, paste, etc.) into the internal cavities of the tap, the bibcock should be mounted in a fully open position.

4.10 The bibcock has only two operating positions: fully open or fully closed. It is not allowed to use bibcock as control bibcocks, this can lead to a reduction in service life and the failure of the crane.

4.11 In the case of using the bibcock in pipeline systems with a high content of mechanical impurities, it is recommended to additionally mount a U-shaped filter for cleaning .

5 DESCRIPTION AND WORK

The bibcock blocks the flow of the transported medium with a spherical gate shape. The shutter rotates 90 degrees by transmitting torque from the crane handle through the rod. The bolt has seals on the sides of the outlet pipes and rod.

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 bibcock 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 bibcock: 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-32001,HC-32001DR.
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 TECHNOLOGY CO. 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 TECHNOLOGY CO., LTD.

9 CERTIFICATE OF ACCEPTANCE AND PACKAGING

9.1 Bibcock 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 bibcock is in the open position.
9.5 The batch of bibcock is recognized as suitable for operation and is accepted with 100% control at Pnp = 1.5* Py.

Date of manufacture		QUALITY Mark	

10 **NOTE**

WARRANTY CARD No _____

Name: BRASS BIBCOCK WITH LEVER HANDLE

Article: HC-32001, HC-32001DR 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-32001, HC-32001DR

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