TECHNICAL DATASHEET

DZR BRASS HOSE BIB



HOME CREATOR

Item No.: HC-10322

1 CERTIFICATION INFORMATION

Declaration of conformity: CSA-approved for use with potable (wholesome) water in sizes 1/2" to 3/4".

2 PRODUCT BASICS

Product Name: **DZR BRASS HOSE BIB**

Purpose: DZR brass hose bib are corrosion-resistant outdoor faucets used to control water flow to garden hoses and irrigation systems.

Manufacturer (supplier): HOME CREATOR GROUP LTD.

3 MAIN TECHNICAL DATA AND CHARACTERISTICS

3.1 SPECIFICATIONS

Table 1

Hose bib for connecting plumbing fixtures				
Connection thread, Inch		**1/2 "**	**3/4"**	**1"**
Nominal pressure PN, PSI		125		
Working temperature range, °C		5 to 71		
Ambient temperature, °C		5 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

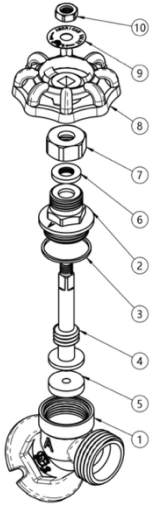


Table 2

Name	Material
Body (1)	DZR Brass CW602N
Bonnet (2)	DZR Brass CW602N
Gasket (3)	PTFE
Stem (4)	Brass
Gland (5)	EPDM
Gland (6)	EPDM
Adjustable Nut (7)	Brass
Handle (8)	Cast Iron
Nameplate (9)	Aluminum
Nut (10)	Stainless Steel

1. HOME CREATOR brass products are made by hot stamping of brass grade CW602N as per the European standard EN12164.
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.

3.3 Hose bib



3.4 CROSS SECTION

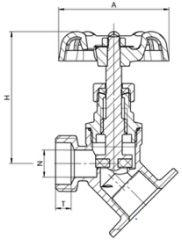


Table 3

Item	Size	H (mm)	A (mm)	N (mm)	T (mm)
HC-10322	1/2"x3/4"	63	53	13	8
HC-10322	3/4"x3/4"	63	53	13	8

3.5 MAXIMUM PRESSURE CONDITIONS

Table 4

Item	Max Pressure (PSI)	Min/Max Temperature (℃)	Test Pressure		Max Pressure (bar)	Min/Max Temperature (℉)	Test Pressure	
			Shell (PSI)	Seat (PSI)			Shell (bar)	Seat (bar)
HC-10322	125	5 ℃ to 71 ℃	187.5	137.5	8.62	41 ℉ +160 ℉	13	9.5

4 INSTALLATION AND OPERATION

4.1 Installation of a hose bib 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 hose bib 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 hose bib 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 hose bib shall be operated in accordance with the characteristics specified in paragraph 3. of this technical passport.
4.7 When installing a hose bib, in order to prevent the formation of cracks and chips on the coupling ends of the hose bib, as well as deformation of the hose bib 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 hose bib, 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"	3/4"	1"
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 hose bib (excess sealing material, paste, etc.) into the internal cavities of the tap, the hose bib should be mounted in a fully open position.
4.10 The hose bib has only two operating positions: fully open or fully closed. It is not allowed to use hose bib as control hose bib, this can lead to a reduction in service life and the failure of the crane.
4.11 In the case of using the hose bib in pipeline systems with a high content of mechanical impurities, it is recommended to additionally mount a U-shaped filter for cleaning (Art. HC-10322).

5 DESCRIPTION AND WORK

The hose bib 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 hose bib 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 hose bib: 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-10322.
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 Hose bib 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 hose bib is in the open position.
9.5 The batch of hose bib 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: DZR BRASS HOSE BIB

Article: HC-10322

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-10322

HOME CREATOR GROUP LTD | LONDON, UK
Add: 167-169 Great Portland Street, London,
Email: sales@homecreatorgroup.com
Web: www.homecreatorgroup.com