TECHNICAL DATASHEET

WRAS APPROVED GATE VALVE

HOME CREATOR



Item No.: HC-85001

1 CERTIFICATION INFORMATION

Declaration of conformity: WRAS approved gate valve. Confirmation of the approval can be obtained from the WRAS Approvals Directory (www.wras.co.uk/directory)
Approval Number: 2205370

2 PRODUCT BASICS

Product Name: WRAS APPROVED GATE VALVE
Purpose: This item is designed to control or isolate fluid flow in pipeline systems. It features a ductile iron body with stainless steel non-rising stem for reliable and durable performance in water distribution and industrial applications.
Manufacturer (supplier): HOME CREATOR GROUP LTD.

3 MAIN TECHNICAL DATA AND CHARACTERISTICS

3.1 SPECIFICATIONS

Table 1

Connection Thread, Inch	Properties
Size	DN50-DN300
Temperature Range	0-120°c
Class	PN16
Design	BS EN1171:2002
Faceto Face	EN558-1
End Flange	1092-2
Test	EN12266
a) Hydrostatic Body Test	24 Bar
b) Hydrostatic Seat Test	17.6 Bar
c) Pneumatic Body Test	6 Bar
d) Pneumatic Seat Test	6 Bar

3.2 MATERIAL OF MANUFACTURE AND CONSTRUCTION GATE VALVE SERIES

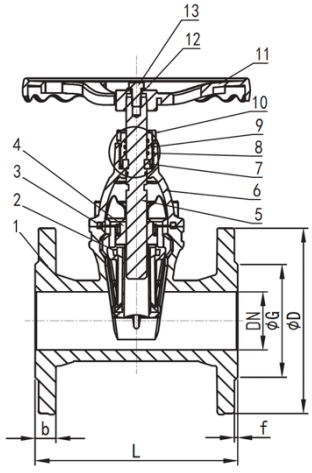
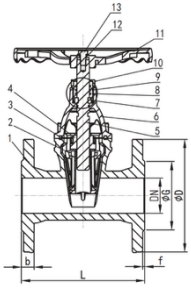


Table 2

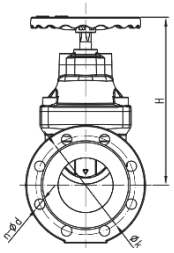
N0	Name	Material
1	Body	GGG50
2	Disc	GGG50+EPDM
3	Bonnet Gasket	NBR
4	Stem Nut	CZ122
5	Stem	SS420
6	Bonnet	GGG50
7	Holding Ring	CZ122
8	O Ring	NBR
9	Thrust Nut	CZ122
10	Dust Ring	NBR
11	Hand Wheel	GGG50
12	Washer	A2-70
13	Bolt	A2-70

1. This Gate Valve (PN16) is manufactured in accordance with BS EN 1171:2002 standards with ductile iron body and integral flanges.
2. The non-rising stainless steel stem provides reliable operation and corrosion resistance.
3. Face-to-face dimensions comply with BS EN 558-1 and flanged connections comply with EN 1092-2 standards.
4. Pressure and sealing tests are carried out in accordance with EN 12266 standards.

3.4 GATE VALVE LEAVER HANDLE



3.5 CROSS SECTION



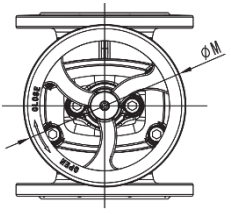


Table3

Item	DN	Outline mm			End Flange PN16					
		L	H	M	D	K	G	n-d1	b	f
HC-85001	50	178	210	180	165	125	99	4-Φ19	19	3
HC-85001	65	190	225	180	185	145	118	4-Φ19	19	3
HC-85001	80	203	255	200	200	160	132	8-Φ19	19	3
HC-85001	100	229	315	220	220	180	156	8-Φ19	19	3
HC-85001	125	254	330	280	250	210	184	8-Φ19	19	3
HC-85001	150	267	370	280	285	240	211	8-Φ23	19	3
HC-85001	200	292	460	315	340	295	266	12-Φ23	20	3
HC-85001	250	330	585	406	405	355	319	12-Φ28	22	3
HC-85001	300	356	665	406	460	410	370	12-Φ28	24.5	4

4 INSTALLATION AND OPERATION

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

5 DESCRIPTION AND WORK

This gate valve is designed for isolating and controlling the flow of water and other non-aggressive fluids in pipeline systems. The valve features a ductile iron body with stainless steel non-rising stem for reliable performance and corrosion resistance. It is manufactured according to BS EN 1171:2002 standards and suitable for industrial, commercial and water distribution applications. The valve operates by raising or lowering the internal gate to allow or completely stop the fluid flow.

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 Gate 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 Gate valve: 3 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-85001.
8.3 Warranty period: 12 months 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 Gate 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 Gate valve is in the open position.
9.5 The batch of Gate 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 GATE VALVE

Article: HC-85001 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: 12 MONTHS

Warranty is provided.
according to paragraph 8 of the technical passport HC-85001

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