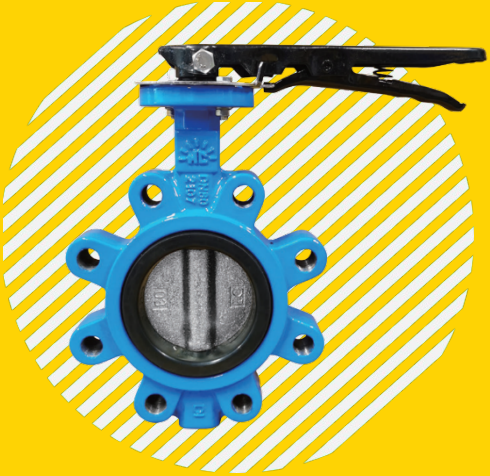
TECHNICAL DATASHEET

WRAS APPROVED BUTTERFLY VALVE



HOME CREATOR

Item No.: HC-90501

1 CERTIFICATION INFORMATION

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

Approval Number: 2310186

2 PRODUCT BASICS

Product Name: WRAS APPROVED BUTTERFLY VALVE

Purpose: This Butterfly Valve features a ductile iron body, stainless steel disc and stem, and EPDM liner for reliable sealing and corrosion resistance in industrial and water pipeline systems.

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 EN 593 :2004
Face to Face	EN 558-1
End Flange	1092-2
Test	EN 12266
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 BUTTERFLY VALVE SERIES

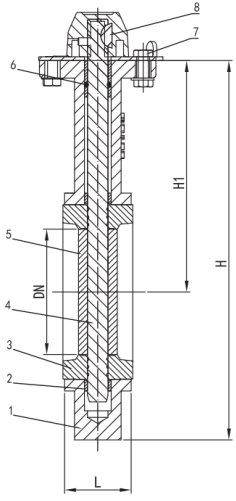


Table 2

N0	Name	Material
1	Body	GGG50
2	Axle sleeve I	PTFE
3	Seat	EPDM
4	Shaft	Stainless Steel
5	DISC	CF8
6	Conical Pin	Stainless Steel
7	O-Ring	EPDM
8	Axle sleeve II	PTFE
9	Woodruff Key	Steel
10	Handle	Steel
11	Bolt	A2-70
12	Nut	A2-70
13	Washer	A2-70

1. The valve body is manufactured from high-quality ductile iron and fully lugged in accordance with BS EN 593:2004 standards.
2. The valve is equipped with an EPDM liner to provide reliable sealing performance and long service life.
3. The stainless steel disc and stem ensure corrosion resistance and durable quarter-turn operation. Face-to-face dimensions comply with BS EN 558-1, flanged connections comply with EN 1092-2, and testing is carried out according to EN 12266 standards.

3.4 BUTTERFLY VALVE LEAVER HANDLE



3.5 CROSS SECTION

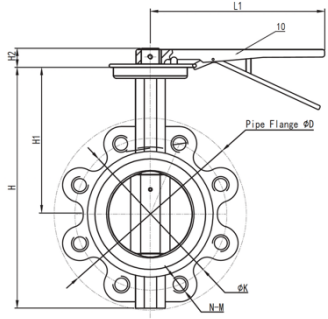


Table 3

Item	DN	Outline mm					END FLANGE PN16		
		L	H	H1	H2	L1	D	K	N-M
HC-90501	50	43	206	130	45	140	165	125	4-M16
HC-90501	65	46	225	140	45	140	185	145	4-M16
HC-90501	80	46	240	150	45	140	200	160	8-M16
HC-90501	100	52	272.5	170	45	140	220	180	8-M16
HC-90501	125	56	302	185	50	140	250	210	8-M16
HC-90501	150	56	330	205	50	140	285	240	8-M20
HC-90501	200	60	415	235	55	200	340	295	12-M20
HC-90501	150	56	330	205	50	140	285	240	8-M20
HC-90501	200	60	415	235	55	200	340	295	12-M20
HC-90501	250	68	475	270	55	200	405	355	12-M24
HC-90501	300	78	559	305	65	200	460	410	12-M24

4 INSTALLATION AND OPERATION

4.1 Installation of a Butterfly 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 Butterfly 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 Butterfly 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 Butterfly 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 indicated in the table below:
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 Butterfly valve has only two operating positions: fully open or fully closed. It is not allowed to use HOME CREATOR Butterfly 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 Butterfly Valve (PN16) is designed for regulating and isolating the flow of liquids in pipeline systems. The valve features a ductile iron body with stainless steel disc and stem for durability and corrosion resistance. The EPDM liner ensures reliable sealing performance, while the quarter-turn operation allows fast and easy control. It is fully lugged according to BS EN 593:2004 standards and suitable for industrial and water distribution applications.

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 Butterfly 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 Butterfly 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-90501.
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 Butterfly 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 Butterfly valve is in the open position.
9.5 The batch of Butterfly 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 BUTTERFLY VALVE

Article: HC-90501 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-90501

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