



Approval No: 1412064

Water Regulations Advisory Scheme Ltd.
Unit 13,
Willow Road,
Pen y Fan Industrial Estate,
Crumlin,
Gwent,
NP11 4EG

19th December 2014

Tianjin Greatwall Flow Valve Co. Ltd.
No. 5 Hengyuan Road,
Jingbin Industrial Park,
Tianjin,
China,
301712

Dear Sir/Madam

VALVES - BUTTERFLY

1. Samples of the fittings or units described below have been subjected to relevant tests and examinations contained in the "Regulators' specifications", and after considering the test reports the Technical Committee's Product Assessment Group (PAG) of the Water Regulations Advisory Scheme (WRAS or "the Scheme") finds that the fittings or units so described comply with, and their use when correctly installed, does not contravene the requirements of The Water Supply (Water Fittings) Regulations 1999, The Water Byelaws 2004 Scotland, and Water Supply (Water Fittings) Regulations (Northern Ireland) 2009.

1412064

This approval is valid for fittings (as listed below in model) manufactured AND installed between December 2014 & December 2019.

VALVES

2020

Butterfly

IRN R001

Tradename:

Range of wafer and flange type butterfly valves with blue epoxy coating EPDM seals and ductile iron, bronze or stainless steel disks. For cold water use only.

Maximum operating pressure 16.0bar

Size: DN50, 65, 80, 100, 125, 150, 250, 300, 350 & 400.

Model: Wafer type butterfly valve FV-DZP-(XXXX)-A-A DN50 to DN400.
Flange type butterfly valve FV-DZP-(XXXX)-LT-A DN50 to DN400.

Marking: DN150 – DN400: DN, batch number on body.
Flow valve, date of manufacture (YYYY/MM) serial number,
company logo & internal tracking code on data plate

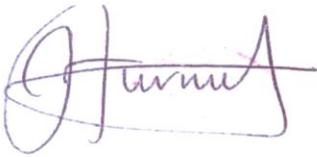
DN50 – DN125: DN, PN & GGG40 on body.
Flow valve on dataplate.

Factor: Tianjin Greatwall Flow Valve Co. Ltd.

2. Installation Requirements & Notes are set out on Page 3.
3. Fittings or units (and any non-metallic components contained within them) are re-assessed and, where necessary, retested every 5 years. You will be advised when your product is due for re-assessment. The extent of any retesting required for a product will be at the discretion of the Technical Manager.
4. **Acceptance for listing entitles you to identify your product with the Scheme's "WRAS" Mark. The use of the Mark will make the identification easier of the approved products by Water Undertakers.** Copies of the 'Mark' are available on request for the purposes of producing artwork.
5. Manufacturers or applicants may only quote in their sales literature, terms used in this letter when indicating the decision of the Group in respect to their fittings or units, namely that the **Product Assessment Group of the Scheme finds that the use of these fittings or units, when correctly installed, will not contravene the requirements of The Water Supply (Water Fittings) Regulations 1999, The Water Byelaws 2004 Scotland or The Water Regulations (Northern Ireland) 2009 and that a reference to the fittings or units will be included in the Scheme's Water Fittings and Materials Directory:** this may be abbreviated to "Water Regulations Advisory Scheme - Approved Product" or "WRAS - Approved Product".
6. Since the incorrect installation of water fittings could result in contravention of the Regulations or Byelaws requirements, **the attention of your customers should be drawn to any Installation Requirements for Regulations or Byelaws compliances set out on Page 3.**
7. Would you please supply the Scheme with a copy of any of your company's literature which may or will make reference to the Scheme's decisions about the products and/or quotes any of the installation requirements.
8. A condition of listing is that **no modification to the fittings or units described above shall be made without first notifying the Scheme** and submitting to the Scheme details of the modification and, if so required, samples of the fittings or units as so modified for consideration by the Scheme's Product Assessment Group. Failure to comply with this condition may result in the removal from the Water Fittings and Materials Directory of the entry relating to the fittings or units in question.

9. Your products are required to be replicas of the samples described above, and the right is reserved to carry out quality surveillance inspections of your production arrangements, reasonable written notice of which will be given.
10. Please note that the use of the items described in any particular area of supply is at the discretion of the local Water Undertaking.
11. Manufacturers or factors having appliances or units referred to in the Scheme's Directory which incorporate individually approved components and materials are asked to ensure that such components and materials continue to be approved and/or listed in the Directory, during the current period of approval of their appliance. This may require modifications to approved appliances to ensure their retention in the Scheme's Directory. The Scheme must be informed of any such modifications, (see paragraph 8).
12. You are asked to verify the details of your product as set out in Paragraph 1 and advise us of any discrepancies.

Yours sincerely



Jason Furnival
Secretary, Product Assessment Group

INSTALLATION REQUIREMENTS & NOTES

You are advised to draw customers' attention to the installation requirements and notes set out below which must be followed to ensure that the fittings described above are installed in accordance with the requirements of the Regulations and Byelaws:

IRN R001

See text of entry for Installation Requirements or Notes.

PAG. 1412064



Water Regulations Advisory Scheme Ltd.
Unit 13,
Willow Road,
Pen y Fan Industrial Estate,
Crumlin,
Gwent,
NP11 4EG

Tianjin Greatwall Flow Valve Co. Ltd.
No. 5 Hengyuan Road,
Jingbin Industrial Park,
Tianjin,
China,
301712

Dear Sir/Madam

RE: USE OF WATER REGULATIONS ADVISORY SCHEME WRAS APPROVED LOGO

All manufacturers and factors with products approved by WRAS may use the scheme's approved logo.

Whilst this is not mandatory we would encourage that wherever practicable all WRAS approved products, including their associated packaging and literature, are suitably marked with the WRAS logo.

The WRAS logo artwork is available on request.

Should you require any further information regarding this matter please do not hesitate to contact me.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Jason Furnival', written in a cursive style.

Jason Furnival
Secretary, Product Assessment Group



CERTIFICATION MARK

This certifies that

TIANJIN GREATWALL FLOW VALVE CO. LTD.

has had the undermentioned product examined, tested and found, when correctly installed, to comply with the requirements of the United Kingdom Water Supply (Water Fittings) Regulations and Scottish Water Byelaws.

**"FV-DZP-(XXXX)-A-A & FV-DZP-(XXXX)-LT-A
BUTTERFLY VALVES"**

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

December 2019

1412064

Certificate No.

A handwritten signature in blue ink, appearing to read "Hanna".

Secretary

A handwritten signature in blue ink, appearing to read "K. Kirby".

Chairman, Product Assessment Group