

WRAS[®]

Water Regulations Advisory Scheme

This certifies that

CRANE LIMITED

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

**"CRANE", RANGE OF BUTTERFLY VALVES,
FLANGELESS OR LUGGED, LEVER OR GEARBOX OPERATED.**

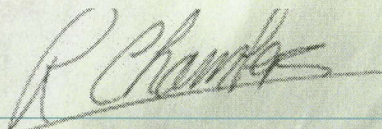
Reference should be made to the accompanying acceptance letter for installation requirements

*The product so mentioned will be listed in the
Water Fittings and Materials Directory
for a period until:*

12 OCTOBER 2010

0510095

Certificate No.



Chairman, Test and Assessment Group



Secretary

WRAS
APPROVED
PRODUCT

Ref. No: 0510095
Sample No: 04791 S

5 January 2006

Mr Brian Wiggins
Crane Fluid Systems
Nacton Road
Ipswich
IP3 9QH

Dear Sir

VALVES

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 Test and Assessment Group (TAG) 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, Water Byelaws 2003 Scotland, and Water Regulations Northern Ireland.

0510095

VALVES

2020

Butterfly

IRN

R001

Tradename:

Crane & Hattersley range of butterfly valves with a ductile iron body, aluminium bronze disc and EPDM liner. The valves are available flangeless or lugged and can be lever or gearbox operated.

Size/Product

Crane Brand

Designation:

Fig. F621 Flangeless Wafer Butterfly Valve - 2, 2½, 3, 4, 5, 6, 8, 10 & 12" - Lever.

Fig. F622 Flangeless Wafer Butterfly Valve - 2, 2½, 3, 4, 5, 6, 8, 10 & 12" - Gear.

Fig. F624 Lugged Wafer Butterfly Valve - 2, 2½, 3, 4, 5, 6, 8, 10 & 12" - Lever.

Fig. F625 Lugged Wafer Butterfly Valve - 2, 2½, 3, 4, 5, 6, 8, 10 & 12" - Gear.

Hattersely Brand

Fig. 950W Flangeless Wafer Butterfly Valve - 2, 2½, 3, 4, 5, 6 and 8" - Lever.

Fig. 950WG Flangeless Wafer Butterfly Valve - 2, 2½, 3, 4, 5, 6, 8, 10 & 12" - Gear.

Fig. 970W Lugged Wafer Butterfly Valve - 2, 2½, 3, 4, 5, 6 and 8" - Lever.

Fig. 970WG Lugged Wafer Butterfly Valve - 2, 2½, 3, 4, 5, 6, 8, 10 & 12" - Gear.

Marking: Manufacturer's name, model and technical data printed on badge.
Manufacturer: Crane Ningjin Valve Co Ltd.
Factor: Crane Fluid Systems.

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 **Test and 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, Water Byelaws 2003 Scotland or Water Regulations Northern Ireland 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 Test and Assessment Group. Failure to comply with this