

WRAS

Water Regulations Advisory Scheme

This certifies that

DANFOSS A/S

*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).*

EV220B, 15BD, 20BD, 25BD, 32BD, 40BD, 50G RANGE
OF IN-LINE BRASS BODIED SOLENOID VALVES.

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:*

24 FEBRUARY 2009

0402042

Certificate No.



Chairman, Test and Assessment Group



Secretary

WRAS
APPROVED
PRODUCT

Ref. No: 0402042
Sample No: 03456

3 March 2004

Mr Preben Kreilgaard
Danfoss A/S
DK-6430 Nordborg
Denmark

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 2000 Scotland, and Water Regulations Northern Ireland.

0402042

VALVES

2230

Solenoid - Metal

IRN R001

Tradename:

`EV220B` range of in-line brass bodied solenoid valves of the normally closed type diaphragm (EPDM). Maximum working pressure 16 bar at 80°C with direction of flow arrow stamped on body.

Size: 1½" - 2" BSP inlet/outlet connections.

Product Designation: EV220B, 15BD, 20BD, 25BD, 32BD, 40BD, 50G.

Marking: Bonnet of valves cast `Danfoss`, coil printed with CE marking, voltage rating and type.

Manufacturer: Danfoss A/S.

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 2000 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 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 reminded (see Form F1, paragraph 5.11) that **you must remove your samples** from the Fittings Testing Laboratory **within four weeks of the date of this letter**, after which date the right is reserved to dispose of the samples.
13. You are asked to verify the details of your product as set out in Paragraph 1 and advise us of any discrepancies.

Yours faithfully



H. R. Wigmore
Secretary, Test and Assessment Group

INSTALLATION REQUIREMENTS & NOTES

You are advised to draw customers' attention to the fact:

IRN R001

See text of entry for Installation Requirements or Notes.

TAG.0402042