

Certificate of Testing

N°: TRA014375CC01A

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Xylem Flow Control Ltd
Patrick Gregory Road
Wednesfield
Wolverhampton
WV11 3DZ

Issue Date: 13th June 2013
Our Ref: TRA-014375-00
Client's Order Number: 23738
Dates of Test: 5th and 6th June 2013

Attn.: Mr Jeff Woods

Specimen(s):

1 Off DN03 Series Hydraulic Valve
Serial Number: 572523/1
TRaC Stores Number: TRA-014375-S1
Receipt Date: 22nd May 2013

Specification:

Testing was carried out in accordance with BS EN 60529:1992 and TRaC Global Limited quotation TRA-014375-00 dated 24th April 2013.

IP6X - Dust Tight (Category 1)

Testing in accordance with BS EN 60529:1992.
Duration: 8 hours
Vacuum: \leq -20mbar

IPX6 - Protected Against Powerful Water Jets

Testing in accordance with BS EN 60529:1992.
Nozzle: 12.5 mm diameter
Flow Rate: 100 litres per minute \pm 5%
Duration: \geq 3 minutes
Distance: 2.5 to 3 metres

Test Engineer



P. Bullock Test Technician

Approval

S. J. Brown Director

Certified that the specimens detailed hereon have been subjected to the tests as required by the order unless otherwise stated above. Our technical competence and quality control arrangements are in accordance with the conditions of our UKAS accreditation. No representation or warranty is given that the Tests performed under the terms of Contract constitute, in themselves, a sufficient programme for the Customer's purpose, nor that the Customer's Equipment is suitable for any particular purpose. The contents of this Certificate shall not be reproduced, except in full, without the written approval of TRaC Global Limited.

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Procedure:

IP6X - Dust Tight (Category1)

The specimen was connected to a vacuum pump, pressure indicator and flow meter to calculate the test duration. The specimen was mounted in the dust chamber and re-connected to the vacuum pump to provide a vacuum of 20 mbar below laboratory ambient pressure during the test, as shown in Figure 1. The test was carried out in accordance with the specification for a period of 8 hours.

IPX6 - Protected Against Powerful Water Jets

The specimen was mounted on a frame in a possible operating orientation and sprayed from all practicable directions, as shown in Figures 2 and 3 in accordance with the specification.

Results:

IP6X - Dust Tight

After testing, the specimen was opened for internal inspection. No Dust ingress was found.

IPX6 - Protected Against Powerful Water Jets

After testing, the specimen was dried externally before being opened for internal inspection. No water ingress was found.

The specimen therefore satisfies the requirements of BS EN 60529: 1992: IP66.



SPECIMEN SETUP FOR IP6X DUST INGRESS TESTING

FIGURE 1



SPECIMEN UNDERGOING IPX6 POWERFUL WATER JETTING

FIGURE 2



SPECIMEN UNDERGOING IPX6 POWERFUL WATER JETTING

FIGURE 3