

FIRE TEST QUALIFICATION CERTIFICATE



Score (Europe) Ltd



Customer	Evolution Valves
Job No	286546 COW
Purchase Order No	1035
Unique No	286546-0001
Manufacturer	Evolution Valves
Size	6"
Class	150
Type	Double Flanged R / L Butterfly Valve Gearbox Operated
Serial no	10054
Drawing No	7929-150-000 Issue 1
Body Material	A216 WCB
Seat Material	Nitrile

The above valve was tested by Score (Europe) Ltd at their Specialised Valve Research and Test Centre, Cowdenbeath, Scotland and the results have been recorded as a PASS, having complied with the minimum performance requirements stated in

Specification	BS 5041-1:1987 Dated September 1988 Fire Hydrant Systems Equipment Specification Appendix A.5
Test Date	24th February 2012
Other Sizes Qualified	NA
Other Pressure Ranges Qualified	NA

Tested by

Scott Fox

Witnessed by

W Campbell Lloyd's Register EMEA

This certificate must be read in conjunction with the full Score Test Report Number **286546-0001**



Butterfly Valve High Temperature Test.

Project: **Evolution Valves.**

Client: **Score Europe Ltd.**

Office: **Aberdeen**

Clients Order Number: **123951 (23 Jan)**

Date: **28 February 2012**

Order Status: **Complete**

Inspection Dates

First: **24 February 2012**

Final: **28 February 2012**

This certificate is issued to **Score (Europe) Limited**, as at their request the undersigned Surveyor did attend their Works at **Woodend, Cowdenbeath, Fife**, for the purpose of witnessing a high temperature test on a butterfly valve stated to be manufactured by **Evolution Valves, Drawing Number 7929-150-000 issue 1 Order No 1035.**

Details of the valve are as follows:-

Size: 6" Double Flanged, R/L Butterfly Valve.

Serial No 10054.

Seat: Nitrile.

Body: ASTM A216 WCB.

Gearbox driven Mastergear 840276.

Valve stamped: Score Unique No 286546-0001.

Type M10/R8.

Temperature thermocouples were placed as follows:-

1. "Test Box" Temperature No 7.
2. "Test Box" Temperature No 8.

The Test was carried out in accordance with BS 5041-1:1987 dated September 1988 Fire Hydrant Systems Equipment Specification Appendix A .5 and Score Report 286546-1

The valve was mounted into test stand with the Temperature Thermocouples in their appropriate locations, which were connected to a Chessell Model 6180A temperature and pressure recorder, Serial Number GB-15998-1-1-0409-PL1 18 calibration of which was verified.

All measuring and test equipment used was correctly calibrated.

Both the inlet and outlet pipe work were connected to the valve, with the valve in the partially open position the system was checked for leaks by pressurising to 1.5 times the maximum permissible working pressure and found tight.

During test period (20 minutes) the pressure was maintained at 20 bar G by occasional manual adjustment and the test cell temperature maintained at 540°C.

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The results of the Test were then recorded as follows

No leakage recorded (allowable 23 litres per minute).

The test was concluded at this point.

In respect of the test results now stated, it is considered that the valve complies with the requirements of BS 5041-1:1987 dated September 1988 Fire Hydrant Systems Equipment Specification Appendix A .5 and Score Report 286546-1

WL Campbell
Surveyor to Lloyd's Register EMEA



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