

# CERTIFICATE

No: 33435224

In compliance with the technical requirements in regard of  
**EN ISO 15848-1/2: 2006 & MESC 77/312:2010 Class B**

Test report: FE-100163-01

Date: 24/05/2016

Applicant/License Holder, Address: **ERIKS-VALVES ENTERPRISE, S.L.U.**  
**P.I. Bakiola, 62 – Bajo 1**  
**48498 ARRANKUDIAGA**  
**BIZKAIA – SPAIN**

Manufacturer, Address: **Same as applicant**

The valve sealing system was checked in regard of fulfilment of the **Tightness classes B** of measured leakage rate <  $6.75 \cdot 10^{-5} \text{ mbar} \cdot \text{l} \cdot \text{s}^{-1}$  (stem seal) and <  $3.85 \cdot 10^{-5} \text{ mbar} \cdot \text{l} \cdot \text{s}^{-1}$  (body-plates seals, gaskets) for temperatures at the sealing system of -29°C to +40°C with C01 insulating valve endurance class. The total mechanical cycle was 500 cycles and the test medium was min. 99,99% purity helium by using a Helium Mass spectrometer.

Test Requirement / Test Result:

Model Designation:	<b>PRB-02501; PRB-02502; PRB-02503; PRB-02504</b>
Nominal Diameter / Nominal Pressure:	<b>3 inch (DN 75/80) / 1500 Lbs (PN 250)</b>
Type de Valve:	Dual Expanding plug valve
Body Material / Seal material:	ASTM A216 WCB / HNBR (Norsok M-710)
Stem Size and / Stem Packing Material:	Ø 38.1 mm / Graphite
Temperature Cycle:	Room temperature (-29°C to +40°C)
Assembly Drawing No.:	08-003-RB-004000-000-07-02-30 R00
Plug-stem 07 Drawing No.:	08-003-RB-050000-004-07-00-00 R00

**The tested valve covers performance class (Para. 6.6):**

**ISO FE BH-CO1-SSA1-(t-RT)-class 1500 – ISO 15848-1/2 & MESC 77/312**

Extension of qualification to untested valves (see also paragraph 8 of ISO 15848-1:2006)

The valve Class or PN designation is equal or lower  
Required temperature class range of -29°C to +40°C  
Stem packing material: GRAPHITE

Body seal material: ASTM A216 WCB / HNBR (Norsok M-710)

***Od<sub>stem</sub> 38.1 mm tested qualify for to from Ø 19.05 mm to 76.2 mm (50% lower and 200% higher of those of tested valve).***

The valve Sealing System is in compliance with the above mentioned requirements. The test and the classification is based on a type approval and does not include the factory inspection

Arrankudiaga, 24th May, 2016  
(Place, Date)

Arrankudiaga, 24<sup>th</sup> May, 2016  
TÜV Rheinland Group

