

CERTIFICATE

This certificate with No. 140005/04 is the result of Helium shaft leak tests performed on a

ALFA TECNICA s.a.s.
Needle Valve
Marked: 316L ½ "NPT S 6000 V 41

with reference to the requirements of TA LUFT Ed. 2002 (Technische Anleitung zur Reinhaltung der Luft) Point 5.2.6.4 to ISO / WD 15848 Part 1 and to VDI 2440

COMPANY / MANUFACTURER	ALFA TECNICA s.a.s / I.T.E. s.r.l.
TEST LOCATION	Laboratory OMECO, Monza (MI)
TIME OF TESTING	25 th May 2004
TESTED VALVE	Needle Valve Mod. V41 ½ "NPT S 6000
REQUIREMENTS	Equivalence criteria of shaft sealing system according to TA LUFT under Point 5.2.6.4 Endurance test: 50 manual cycles at ambient temperature
LEAK DETECTION METHOD	Helium Leak Detector / Mass Spectrometer type Balzers HTL 150
PACKING MATERIAL	PTFE
SHAFT SEALING CONFIGURATION	As per attached drawings No. 10.0100 Rev. 00, MA.0001 Rev. 01, MA.0003 Rev. 01, MA.0007 Rev. 01 dated 13/01/2003
TEST RESULTS	The described valve shaft sealing system satisfies the TA LUFT as well as the VDI 2440 requirements

IMPORTANT:

This certificate must be referred to the OMECO Test Report No. SPS/0136/04 and the Manufacturer Drawings (see annexes)

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