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Order: 1321 P 001410
8107696525

Certificate for type test

according to TA Luft (VDI 2440)

Name and address: EST Group B.V.
Hoorn 312a
2404 HL Alphen aan den Rijn
The Netherlands

Order number: 1321 P 001410

Test requirement: TA-Luft; VDI 2440, rev.: 07.2002

Test procedure: Helium leakage test DIN EN 13185, A.1 (vacuum procedure, integral)

Type: POP-A-PLUG® - Tube plug

Application: Plugging of tubes in (for example): heat exchangers, pre-heaters, reactors, air coolers, condensers.

Achieved Leakage:

CPI MODEL	he-pressure [bar]	Leakage [mbar*l/sec/m]
V-471-C	103,5	< 2,0 10 ⁻⁶
V-774-C		< 4,7 10 ⁻⁷
V-1024-C		< 2,4 10 ⁻⁷
V-1994-C		< 2,5 10 ⁻⁷
PII MODEL	he-pressure [Bar]	Leakage [mbar*l/sec/m]
P2-400-C	621	< 3,3 10 ⁻⁷
P2-680-C		< 2,0 10 ⁻⁸
P2-700-C	465	< 3,6 10 ⁻⁷
P2-960-C		< 2,6 10 ⁻⁷
P2-980-C	207	< 1,6 10 ⁻⁷
P2-1540-C		< 2,5 10 ⁻⁷

It is hereby certified that the above mentioned plug connection satisfy the emission control performance that is stipulated in the TA Luft, section 5.2.6.4.
Hamburg, November, 26th, 2011

Competence center pressure equipment
Laboratory for safety devices/armatures



S. Luckmann

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