

**BAM****Federal Institute for
Materials Research
and Testing**12200 Berlin, Germany
Phone: +49 30 8104-0
Fax: +49 30 8112029
Internet: www.bam.de

Manually- and pneumatically-operated valve for oxygen service

Certificate No.: BAM/ZBA/004/08

The BAM Certification Body herewith confirms that the

Manually- and pneumatically-operated valves

with the designations listed in the annex

of the manufacturer

**TECNOCRYO S.p.A.
Via Ugo Foscolo, 8
I – 20060 Basiano (MI)**

meet the requirements of Information M034 (BGI 617) „Sauerstoff“ (“Oxygen”) of the “Berufsgenossenschaft der chemischen Industrie”, version 12/2005, regarding the burn-out safety in gaseous oxygen service.

The operating temperatures and pressures of the materials used and tested as indicated in the annex to this certificate must not be exceeded. If materials that are in contact with oxygen are exchanged for others, BAM shall be notified. The compatibility of those materials shall be re-tested and re-evaluated by BAM. In such case, all drawings shall be corrected.

According to certification contract BAM-ZBA-0001-2005-TECNOCRYO, 1st revised version of 10 January 2008, the certification, on the basis of standard EN 45 011 (1998), consists of a design-type test with monitoring of products, including an initial audit at the manufacturer's premises (BAM Certification system IIa).

The products certified by BAM may be labelled with the certification mark "BAM Geprüft und überwacht" and/or „BAM Certified and under surveillance“. Together with the certification mark, the manufacturer is obliged to affix a special note to the product referring to burn-out safety for oxygen service.

The certificate is valid until 7 September 2018.

The BAM test reports listed in the annex to this certificate are constituent parts of this certificate.

**Bundesanstalt für Materialforschung und -prüfung (BAM) / Federal Institute for Materials
Research and Testing****Unter den Eichen 87, 12205 Berlin, 2008-09-08**

Dr.-Ing. J. Thiele
BAM Certification Body



Dr. Chr. Binder
BAM Assessor

Distribution list: 1. Manufacturer

2. BAM Certification Body

The BAM Certification Body has been accredited according to standard EN 45011:1998 by the DAP (Deutsches Akkreditierungssystem Prüfwesen GmbH – German Accreditation System for Testing). The accreditation is valid for the scope given in certificate DAP-ZE-3998.00.

Certificates may be published only in full wording and without any additions. Revocal written consent shall be obtained from BAM for changed reproduction and excerpts. The Certificate is issued in English version. In case of dispute, the German text is legally binding. Place of jurisdiction is Berlin.

Safety in technology and chemistry

CERTIFICATE