EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN ISO 10156

April 2010

ICS 23.020.30; 71.100.20

Supersedes EN 720-2:1996, EN ISO 10156-2:2005

English Version

Gases and gas mixtures - Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets (ISO 10156:2010)

Gaz et mélanges de gaz - Détermination du potentiel d'inflammabilité et d'oxydation pour le choix des raccords de sortie de robinets (ISO 10156:2010)

Gase und Gasgemische - Bestimmung der Brennbarkeid und des Oxidationsvermögens zur Auswahl von Ventilausgängen (ISO 10156:2010)

This European Standard was approved by CEN on 18 March 2010.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

Ref. No. EN ISO 10156:2

SVENSK STANDARD
SS-EN ISO 10156:2010

Fastställd/Approved: 2010-04-12
Publicerad/Published: 2010-04-27
Utgåva/Edition: 2
Språk/Language: engelska/English
ICS: 23.020.30; 71.100.20; 75.160.30

SWEDISH STANDARDS INSTITUTE

Gaser och gasblandningar – Beräkning av brandrisk och oxidationsförmåga för val av ventilutlopp (ISO 10156:2010)

Gases and gas mixtures – Determination of fire potential and oxidizing ability for the selection of cylinder valve outlets (ISO 10156:2010)

Table 2 — T_{ci} and L_i values of flammable gases and vapours

a) Flammability data for the majority of flammable gases

Gas	CAS No.	UN No.	T_{ci} in %	L_i in %
Acetylene	74-86-2	3374	3,0	2,3
Ammonia	7664-41-7	1005	40,1	15,4
Arsine	7784-42-1	2188	3,9	3,9
Bromomethane	74-83-9	1062	13,9	8,6
1,2-Butadiene	590-19-2	1010	2,0	1,4
1,3-Butadiene	106-99-0	1010	2,0	1,4
n-Butane	106-97-8	1011	3,6	1,4
1-Butene	106-98-9	1012	3,3	1,5
cis-Butene	590-18-1	1012	3,3	1,5
trans-Butenes	624-64-6	1012	3,3	1,5
Carbon monoxide	630-08-0	1016	15,2	10,9
Carbonyl sulfide	463-58-1	2204	6,5	6,5
Chlorodifluoroethane (R142b)	75-68-3	2517	26,4	6,3
Chloroethane	75-00-3	1037	5,8	3,6
Chlorotrifluoroethylene (R1113)	79-38-9	1082	7,4	4,6
Cyanogen	460-19-5	1026	3,9	3,9
Cyclobutane	287-23-0	2601	2,9	1,8
Cyclopropane	75-19-4	1027	3,4	2,4
Deuterium	7782-39-0	1957	6,7	6,7
Diborane	19287-45-7	1911	0,9	0,9
Dichlorosilane	4109-96-0	2189	2,5	2,5
Difluoroethane (R152a)	75-37-6	1030	8,7	4,0
Difluoroethylene (R1132a)	75-38-7	1959	6,6	4,7
Dimethyl ether	115-10-6	1033	3,8	2,7
Dimethylamine	124-40-3	1154	2,8	2,8
Dimethylpropane (neopentane)	463-82-1	2044	2,1	1,3
Ethane	74-84-0	1035	4,5	2,4
Ethyl methyl ether	540-67-0	1039	2,8	2,0
Ethylacetylene	107-00-6	2452	1,8	1,3
Ethylene	74-85-1	1962	4,1	2,4
Ethylene oxide	75-21-8	1040	4,8	2,6
Fluoroethane	353-36-6	2453	6,1	3,8
Fluoromethane	593-53-3	2454	9,0	5,6
Germane	7782-65-2	2192	1,0	1,0 (estimated)
Hydrogen	1333-74-0	1049	5,5	4,0
Hydrogen selenide	7783-07-5	2202	4,0	4,0