



## Product data sheet. Hydrogen.

Linde HiQ® specialty gases portfolio

### Specifications

Component	Chemical formula	Unit	Instrument hydrogen 4.5	Detector hydrogen 5.0	Laboratory hydrogen 5.5	HiQ hydrogen 6.0
Hydrogen	H <sub>2</sub>	%	≥ 99,995	≥ 99,999	≥ 99,9995	≥ 99,9999
Water	H <sub>2</sub> O	ppm	≤ 5	≤ 4	≤ 2	≤ 0,5
Oxygen	O <sub>2</sub>	ppm	≤ 5	≤ 2	≤ 1	≤ 0,5
Total hydrocarbons	C <sub>n</sub> H <sub>m</sub>	ppm		≤ 0,5	≤ 0,1	≤ 0,1
Carbon monoxide	CO	ppm			≤ 0,2*	≤ 0,1
Carbon dioxide	CO <sub>2</sub>	ppm			≤ 0,2*	≤ 0,1
Nitrogen	N <sub>2</sub>	ppm		≤ 4	≤ 3	≤ 0,5

\*Sum of CO + CO<sub>2</sub>

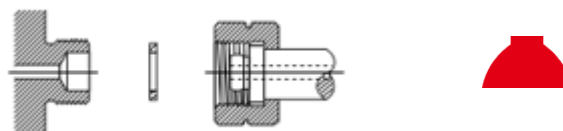
### Material no.

Cylinder size	Instrument hydrogen 4.5	Detector hydrogen 5.0	Laboratory hydrogen 5.5	HiQ hydrogen 6.0
5 litres	—	104281	—	—
10 litres	100940	100937	100953	116778
20 litres	100939	—	—	—
50 litres	100938	100954	100942	116780
50 litres with batch certificate	—	105386	—	—
12x50 litres (bundle)	100951	104540	105191	117117

### Features

Valve outlet: DIN 477 No. 1

Cylinder colour: Red



### Characteristics

Compressed gas, flammable

Filling pressure: 200 bar

### Safety

For all safety related topics including handling, transport and recommended use please see Safety Data Sheets.

Sweden: [www.linde-gas.se/sakerhetsdatablad](http://www.linde-gas.se/sakerhetsdatablad)

Norway: [www.linde-gas.no/sikkerhetsdatablader](http://www.linde-gas.no/sikkerhetsdatablader)

Finland: [www.linde-gas.fi/turvallisuusohjeet](http://www.linde-gas.fi/turvallisuusohjeet)

Denmark: [www.linde-gas.dk/sikkerhedsdatablade](http://www.linde-gas.dk/sikkerhedsdatablade)

Iceland: [www.linde-gas.is/oryggisleidbeiningar](http://www.linde-gas.is/oryggisleidbeiningar)

Latvia: [www.linde-gas.lv/drosibas\\_datu\\_lapas](http://www.linde-gas.lv/drosibas_datu_lapas)

Lithuania: [www.linde-gas.lt/saugos\\_duomenu\\_lapai](http://www.linde-gas.lt/saugos_duomenu_lapai)

Estonia: [www.linde-gas.ee/ohutuskaardid](http://www.linde-gas.ee/ohutuskaardid)

Safety Data Sheets are available through your local Linde homepage in both local language and English.



Linde Northern Europe, [www.linde-gas.com](http://www.linde-gas.com)

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