

Forming gas H5

N₂ / H₂

DIN EN ISO 14175: N5-NH-5

Marking

Characterization acc. ADR

UN 1956 COMPRESSED GAS,
N.O.S. (NITROGEN,
HYDROGEN), 2.2, (E)

Essential properties

compressed gas, lighter than air, colorless, odorless

Cylinder Marking



Shoulder color: bright green

Symbols of risks



Physical Properties

gas density at 0°C and 1,013 bar

1,19 kg/m³

density ratio to air

0,986

For additional safety information see safety data sheet *-H2-N2-02

Valves / Manifolds

Valve connection

200 bar: according to national regulation
300 bar: ISO 5145 No. 4: W 30 x 2 LH



Recommended Manifolds

Spectrotec Constant 2000

Specification / receptacles			
		Forming gas H5	
Composition			
N ₂	=	95	Vol.-%
H ₂	=	5	Vol.-%
Cylinder / Contents			
F 50 200 bar		9.5	m ³
F 50 300 bar		13.0	m ³
F 50*12 200 bar		113.9	m ³
F 50*12 300 bar		156.3	m ³

Remarks

Contents in m³ at 15°C, 1 bar