

Forming Gas H8, H12, H15

N₂ / H₂

also: EN ISO 14175: N5-NH-8 / N5-NH-12 / N5-NH-15

SHIELDING GASES

Marking

Characterization acc. ADR UN 1954, gas mixture, flammable, compressed, n.o.s., 2.1 Class 2, 2F

Cylinder Marking



shoulder:
red

Essential properties

Colourless, odorless, flammable, asphyxiant gas mixture, compressed, lighter than air

Symbols of Risks



flammable



gas, compressed

Physical Properties

gas density at 0°C and 1,013 bar: H 8: 1,16 kg/m³
H 12: 1,11 kg/m³
H 25: 0,96 kg/m³
density ratio to air: H 8: 0,96
H 12: 0,92
H 25: 0,79

For additional safety information see Material-/safety data sheet No. *-H2-N2-02

Valves / Manifolds

Valve connection 200 bar: acc. to national regulations
300 bar: ISO 5145 No. 4: W 30 x 2 LH

Recommended Manifolds Spectrotec Constant 2000



Specifications / Forms of delivery

		forming gas	forming gas	forming gas	
		H8	H12	H15	
Composition					
N ₂	=	92,0	88,0	85,0	Vol. %
H ₂	=	8,0	12,0	15,0	Vol. %
Cylinders / Contents					
F 10 200 bar		1,9	1,9	1,9	m ³
F 20 200 bar		3,8	3,8	3,8	m ³
F 20 300 bar		5,2	5,2	5,2	m ³
F 50 200 bar		9,5	9,4	9,4	m ³
F 50 300 bar		13,0	12,9	12,9	m ³
B 12 * F 50 200 bar		113,5	112,8	112,5	m ³
B 12 * F 50 300 bar		155,9	155,0	155,0	m ³

Tolerance +/- 10% rel.