

Standard for Identification Colours and Marking for Industrial Gas Cylinders

Argon (Ar)
IND 99.99%
HP 99.995%
UHP 99.999%

Helium (He)
Tech 99.95%
Premier 99.999%

Nitrogen (N₂)
IND 99.5%
HP 99.99%
UHP 99.999%

Hydrogen (H₂)
IND 99.8%
HP 99.99%
UHP 99.999%

CGA 580

- 965°-14NGO-RH-INT
- 960°-14NGO-RH-EXT

Acetylene (C₂H₂)
PREMIER 99.5%

Oxygen (O₂)
IND 99.5%
HP 99.8%
UHP 99.999%

Air Zero

Nitrous Oxide (N₂O)
Instrument 99.5%
Medical 99.0%

CGA 300

- 825°-14NGO-RH-EXT
- 830°-14NGO-RH-INT (Conical Nipple)

CGA 540

- 903°-14NGO-RH-EXT
- 908°-14NGO-RH-INT

CGA 326

- 825°-14 NGO-RH-EXT
- 825°-14 NGO-RH-EXT (Small Round Nipple)

CGA 320

- 825°-14NGO-RH-EXT
- 830°-14NGO-RH-INT (Flat Nipple)

JIS B8246

- W22 x 1/14-RH-EXT
- W22 x 1/14-RH-INT

Carbon Dioxide (CO₂)
IND 99.5%

Sulphur Hexafluoride (SF₆)
99.99%



Safety in Cylinder Handling

1

When operating compressed gas cylinder, operator must wear safety suit that has good condition with arm sleeves fit well with wrist to prevent any hooking with gas valve. Including Personal Protective Equipment (PPE) such as safety shoes, safety gloves, safety glasses, and safety helmet.

2

When moving compressed gas cylinder, proceed with extreme cautions. Cylinder must be always vertically standing. Do not turn your back on cylinder at all time due to there is no firm hold and possible of falling

3

Use extra caution when moving compressed gas cylinder on uneven, incline, unstable, or non-solid surface such as sand or dirt

4

Before unlocking the compressed gas cylinder's belt or chains, ensure the cylinder is in stable position and no risk of falling over.

5

Loading and unloading compressed gas cylinder into the truck, the truck must be securely parked on flat surface to prevent any damage. In unavoidable case, operator must operate in the opposite from cylinder possible falling direction.

6

Compressed gas cylinder must transport by using lift-aiding device or pulley certified by safety department

7

Compressed gas cylinder shall always stay in the upright position secured by cylinder's chains or belt to prevent cylinder from falling.

8

Equipment that use to transport compressed gas cylinders must be in proper condition. Avoid using bad condition equipment such as rusty pallet, unsecure belt or chains. Do not place a single cylinder in the center of the pallet due to difficulty in handling especially the rusty pallet.

9

To transport compressed gas cylinder more than 5 meter radius, use cylinder trolley.

10

In case of compressed gas cylinder falling over, do not try to restrain the cylinder from falling and stay clear from the falling directions.