

## Specification of Nitrous Oxide Cylinder

### A-Type Nitrous Oxide Cylinder ISI Mark

1. A- type high pressure seamless cylinder for Nitrous Oxide gas, cylinder are ISI marked conforming to IS:7285 part 2, certified by the Bureau of Indian standards (BIS) and approved by the chief controller of explosive (CCOE) Government of India.
2. Cylinder made from Manganese Steel.
3. 5 Ltr. Water capacity (20 CU.FT.).
4. Fitted with pin index flues type valve for direct use on Anaesthesia Machine.
5. Valve made of Brass and Chrome Plated.
6. Working pressure 150 Kg. f/cm<sup>2</sup> at 15 deg. C.
7. Hydraulic test pressure 250 Kg. f/cm<sup>2</sup>.
8. Color code of the cylinder should as per IS 3933-1966 with updating till date.
9. Certificate Manufacturing certificate, ISI certificate & department of explosion Government of India to be provided for each specified cylinder separately at the time of supply.
10. Filled with Nitrous Oxide gas of medical grade.
11. Matching Key cum spanner to release gas for each cylinder separately.
12. Minimum two years guarantee for cylinder.

### B- Type Nitrous Oxide Cylinder ISI Mark

1. B- type high pressure seamless cylinder for Nitrous Oxide gas, cylinder are ISI marked conforming to IS:7285 part 2, certified by the Bureau of Indian standards (BIS) and approved by the chief controller of explosive (CCOE) Government of India.
2. Cylinder made from Manganese Steel.

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3. 10.2 Ltr. Water capacity (40 CU.FT.)
4. Fitted with valve as per IS: 3224, and neck cap.
5. Valve made of Brass and Chrome Plated.
6. Working pressure 150 Kg. f/cm<sup>2</sup> at 15 deg. C.
7. Hydraulic test pressure 250 Kg. f/cm<sup>2</sup>.
8. Colour code of the cylinder should be as per IS: 3933-1966 with updating till date.
9. Certificate Manufacturing certificate, ISI certificate & department of explosion Government of India to be provided for each specified cylinder separately at the time of supply.
10. Filled with Nitrous oxide gas of medical grade.
11. Matching Key cum spanner to release gas for each cylinder separately.
12. Minimum two years guarantee for cylinder.

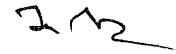
#### **D- Type Nitrous Oxide Cylinder ISI Mark**

1. D-type high presser seamless cylinder for Nitrous Oxide gas, cylinder are ISI marked, conforming to IS:7285 part 2, certified by the Bureau of Indian standards (BIS) and approved by the chief controller of explosive (CCOE) Government of India.
2. Cylinder made from Manganese Steel.
3. 46.7 Ltr. Water capacity 220 CU.FT.
4. Fitted with bull nose type valve as per IS: 3224, complete with neck ring and cap.
5. Valve made of Brass and Chrome Plated.
6. Working pressure 150 Kg. f/cm<sup>2</sup> at 15 deg. C.
7. Hydraulic test pressure 250 Kg. f/cm<sup>2</sup>.

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8. Color code of the cylinder should as per IS 3933-1966 with updating till date.
9. Certificate Manufacturing certificate, ISI certificate & department of explosion Government of India to be provided for each specified cylinder separately at the time of supply.
10. Filled with Nitrous Oxide gas of medical grade.
11. Matching Key cum spanner to release gas for each cylinder separately.
12. Minimum two years guarantee for cylinder.



**Executive Director (EPM)**  
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