

DMES-MED-014 Medical Oxygen Quad (16 Cylinders) – Specification

High-Pressure Medical Oxygen Quad – 16 Cylinders



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Specifications

Item	Value
Equipment	High-pressure Medical Oxygen Cylinder Quad
Construction	Mild Steel
Painting	Spray painted and colour coded for Medical Oxygen

Dimensions

Item	Value
Configuration	4 × 4 (8/8 with isolation valve)
Length Overall	1045 mm (1.045 Meter)
Width Overall	1045 mm (1.045 Meter)
Height Overall	2100 mm (2.100 Meter)
Tare Weight	200 Kgs (197.8 Lbs)
Pay Load	1200 Kgs (2640.0 Lbs)
Max. Gross Weight	1400 Kgs (3080 Lbs)

Lifting Provisions

Item	Value
Pad Eye Thickness	23 mm Diameter (0.905 In.)
Pad Eye Height	100 mm Diameter (3.937 In.)
Pad Eye Width	100 mm Diameter (3.937 In.)

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Lifting Provisions

Item	Value
Pad Eye Hole	25 mm (1.0 In.)
Ground Transport	Forklift slots provided beneath the quads
Damage Protection	Mesh steel frame welded to top of the frame
Name Plate Information	Company name, manufacturing date, rack number, serial no. of cylinder, hydrotest date
Certifications	Provided with quad
International	IMCA D 023
Manufacturer	Hydrostatic test certificates
Class	Bureau Veritas Lifting test certificates

Cylinder Specification

Item	Value
Cylinder	IL.1.50.229.200
Manufacturing Standard	ISO 9809-1
Dimensions	Length 1480 mm × OD 229 mm × 50.0 Liters
Material	34CrMo4
Manufacturing Process	Hot spinning of seamless steel tubes
Heat Treatment	Hardened quenched and tempered
Working Pressure	200 bars (2900 psi)
Hydrostatic Test Pressure	300 bars (4350 psi)

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Cylinder Specification

Item	Value
Minimum Burst Pressure	480 bars (6960 psi)
Volumetric Capacity	50 Liters
Nominal Gas Capacity	10 cu.m (Approx)
Cylinder Outside Diameter	±229 mm (9.015 in.)
Cylinder Length	±1480 mm (1.480 Mtr)
Cylinder Tare Weight	±54 Kgs (118.8 Lbs)
Gas Application	Oxygen
Neck Thread Specification	25E as per EN-629
Valve	Hand wheel operated valve with bs3 outlet
External Finish	Powder coated as per gas colour code for Oxygen Black (Ral 9005) with white neck