

BUREAU OF INDIAN STANDARDS

Program of Work

MED 16 : Gas Cylinders

Scope: Formulation of standards on gas cylinders for permanent, high pressure liquefiable low pressure liquefiable and dissolved gases; fittings of gas cylinder, namely valve fittings, pressure regulators; pipelines conveying gases; identification colours of gas cylinders; acetylene generators; filling ratios and developed pressures for different gases.

Liaison: **TC-185 (O):** Safety devices for protection against excessive pressure **TC-220 (O):** Cryogenic vessels **TC-4 (P):** Rolling bearings **TC-58 (P):** Gas cylinders **TC-58 SC-2 (P):** Cylinder fittings **TC-58 SC-3 (P):** Cylinder design **TC-58 SC-4 (P):** Operational requirements for gas cylinders **ISO TC-58 (P):** Vocabulary

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 11006 : 2011 <i>Reviewed In : 2021</i>	Flash back arrestor (Flame Arrestor) - Specification (First Revision)	November, 2021	1	Indigenous
2	IS/ISO 11114-1 : 2020 ISO 11114-1:2020 <i>ISO 11114-1:2020</i>	Gas Cylinders — Compatibility of Cylinder and Valve Materials with Gas Contents Part 1 Metallic Materials (First Revision)		-	Identical under single numbering
3	IS/ISO 11114-2 : 2013 ISO 11114-2 : 2013 <i>Reviewed In : 2019</i> <i>ISO 11114 : PART 2 : 2013</i>	Transportable Gas Cylinders - Compatibility of Cylinder and Valve Materials with Gas Contents Part 2 Non-Metallic Materials	March, 2019	-	Identical under single numbering
4	IS/ISO 11114-3 : 2010 ISO 11114-3 : 2010 <i>Reviewed In : 2021</i> <i>ISO 11114 : Part 3 : 2010</i>	Gas cylinders - Compatibility of cylinder and valve materials with gas contents: Part 3 autogenous ignition test for non - Metallic materials in oxygen atmosphere	November, 2021	-	Identical under single numbering
5	IS/ISO 11114-4 : 2017 IS/ISO 11114-4 : 2017 <i>Reviewed In : 2017</i> <i>ISO 11114 Part 4 : 2</i>	Transportable Gas Cylinders — Compatibility of Cylinder and Valve Materials with Gas Contents Part 4 Test Methods for Selecting Steels Resistant to Hydrogen Embrittlement (First Revision)	-	-	Identical under single numbering
6	IS/ISO 11119-1 : 2020 ISO 11119-1 : 2020 <i>ISO 11119-1 : 2020</i>	GAS CYLINDERS - DESIGN CONSTRUCTION AND TESTING OF REFILLABLE COMPOSITE GAS CYLINDERS AND TUBES PART 1 HOOP WRAPPED FIBRE REINFORCED COMPOSITE		-	Identical under single numbering

		GAS CYLINDERS AND TUBES UP TO 450 LITRES			
7	IS/ISO 11119-2 : 2020 ISO 11119-2 : 2020 ISO 11119-2 : 2020	Gas Cylinders ½ Design, Construction and Testing of Refillable Composite Gas Cylinders and Tubes Part 2 Fully Wrapped Fibre Reinforced Composite Gas Cylinders and Tubes up to 450 Litres with Load-Sharing Metal Liners		-	Identical under single numbering
8	IS/ISO 11119-3 : 2020 ISO 11119-3 : 2020 ISO 11119-3 : 2020	Gas Cylinders ½ Design, Construction and Testing of Refillable Composite Gas Cylinders and Tubes Part 3 Fully Wrapped Fibre Reinforced Composite Gas Cylinders and Tubes up to 450 Litres with Non-load-sharing Metallic or Non-metallic Liners or without Liners		-	Identical under single numbering
9	IS/ISO 11515 : 2022 ISO 11515 : 2022 ISO 11515 : 2022	GAS CYLINDERS REFILLABLE COMPOSITE REINFORCED TUBES OF WATER CAPACITY BETWEEN 450 L AND 3 000 L DESIGN CONSTRUCTION AND TESTING		-	Identical under single numbering
10	IS 12300 : 1988 Reviewed In : 2022 ANSI B-57.1-1977	Valve fittings for refrigerant cylinders - Specification	October, 2022	5	Not Equivalent
11	IS 12586 : 2021	Brazed low carbon steel gas cylinders not exceeding 13 litre water capacity Specification		-	Indigenous
12	IS 12936 : 2017 Reviewed In : 2022	Basic requirements for delivery persons engaged in the delivery of LPG cylinders - Code of practice (First Revision)	July, 2022	-	Indigenous
13	IS 13258 : 2014 Reviewed In : 2024	Welded low carbon steel cylinders exceeding 5 litre water capacity for low pressure liquefiable gas - Requirements for inspection and reconditioning of used lpg cylinders (First Revision)	March, 2024	1	Indigenous
14	IS 13497 : 2017 Reviewed In : 2022	Fusible plug for dissolved acetylene gas cylinder - Specification (First Revision)	July, 2022	-	Indigenous
15	IS/ISO 13985 : 2006 Reviewed In : 2021 ISO 13985 : 2006	Liquid hydrogen - Land vehicle fuel tanks	November, 2021	-	Identical under single numbering
16	IS 14899 : 2014 Reviewed In : 2019 ISO 20826 : 2006	Liquefied petroleum gas (LPG) containers for automotive use - Specification (First Revision)	March, 2019	-	Not Equivalent
17	IS 15100 : 2018 Reviewed In : 2023 UN Regulation No. 67, AS/NZS 1425, IEC 68-2-52, ISO 1817	Multi - Function valve assembly for permanently fixed liquefied petroleum gas (LPG) containers for automotive use - Specification (First Revision)	March, 2023	-	Not Equivalent
18	IS 15190 (Part 1) : 2002	Acetylene pipelines - Code of practice: Part 1 for pressures up to	October, 2022	-	Not Equivalent

	Reviewed In : 2022 IGC Document No. 9/78/E), CGA. 1.3	155 kPa (G)			
19	IS 15190 (Part 2) : 2002 Reviewed In : 2022 IGC Document No. 9/78/E), CGA. 1.4	Acetylene pipelines - Code of practice: Part 2 for pressures from 155 kPa (G) to 2550 kPa (G)	October, 2022	-	Not Equivalent
20	IS 15490 : 2017 Reviewed In : 2022 ISO 11439 : 2013, ISO 9809-1 : 2010	Seamless steel cylinders for on - Board storage of compressed natural gas as a fuel for automotive vehicles - Specification (First Revision)	March, 2022	1	Not Equivalent
21	IS 15637 : 2006 Reviewed In : 2020 AS 2469, AS 2470, EN 14140	Welded stainless steel cylinders for liquefied petroleum gases (LPG) from 0.5 litre to 250 litre water capacity - Specification	March, 2020	1	Not Equivalent
22	IS 15660 : 2017 Reviewed In : 2022 ISO 7866 : 2012	Refillable transportable seamless aluminium alloy gas cylinders - Specification (First Revision)	March, 2022	2	Not Equivalent
23	IS 15894 : 2018 Reviewed In : 2024	Inspection gauges for checking taper threads of gas cylinder valves and cylinder necks - Taper 1 in 16 on diameter - Specification (First Revision)	January, 2024	1	Indigenous
24	15935 : 2021	Composite Cylinders for On-Board Storage of Compressed Natural Gas (CNG) as a Fuel for Automotive Vehicle - Specification (First Revision)		-	Indigenous
25	IS 15966 : 2013 Reviewed In : 2022 ISO 10691 : 2004	Refillable welded steel cylinder for liquefied petroleum gas (LPG) - Procedure for checking before, during and after filling	October, 2022	-	Not Equivalent
26	IS 15975 : 2020	Gas Cylinders — Conditions for Filling Gas Cylinders (First Revision)	-	-	Indigenous
27	IS 16017 : 2013 Reviewed In : 2019 EN 1802 : 2002	Transportable gas cylinders - Periodic inspection and testing of seamless aluminium alloy gas cylinders	March, 2019	-	Not Equivalent
28	IS 16050 : 2020 ISO 24431 : 2016	Gas Cylinders — Seamless, Welded and Composite Cylinders for Compressed and Liquefied Gases (Excluding Acetylene) — Inspection at Time of Filling (First Revision)		-	Indigenous
29	IS 16054 : 2013 Reviewed In : 2024 ISO 10464:2004	Periodic inspection and testing - Welded low carbon steel cylinders exceeding 5 - Litre water capacity for liquified petroleum gas (Lpg) - Code of practice	January, 2024	-	Not Equivalent
30	IS 16175 : 2014 Reviewed In : 2024	Periodic inspection and requalification - Liquefied petroleum gas (LPG) cylinders for automotive use - Code of practice	January, 2024	-	Indigenous
31	IS 16185 : 2014 Reviewed In : 2024	Periodic inspection and testing - Welded carbon steel gas cylinders -	January, 2024	-	Not Equivalent

	ISO 10460 : 2005	Code of practice			
32	IS 16271 : 2014 Reviewed In : 2024 ISO 11372 : 2011	Dissolved acetylene gas cylinders - Inspection at time of filling - Code of practice	January, 2024	-	Not Equivalent
33	IS 16280 : 2021	High Pressure Regulators and Adaptors for Use with Liquefied Petroleum Gases (LPG) — Specification (First Revision)		-	Indigenous
34	IS 16299 : 2014 Reviewed In : 2024	Periodic inspection and requalification - High pressure steel cylinders for the on - Board storage of compressed natural gas as a fuel for automotive vehicles, cylinders for hcng blends and cng cascade cylinders - Code of practice	January, 2024	-	Indigenous
35	IS 16484 : 2017 Reviewed In : 2022 ISO 15995:2006, EN 13175:2003, ANSI/CGA V-1	Liquid off - Take valve fitting to gas cylinders or tanks (Mobile Or Static) for liquid petroleum gas (LPG) - Specification	March, 2022	1	Not Equivalent
36	IS 16485 : 2020 ISO 16852 : 2016	Flame Arresters — Performance Requirements, Test Methods and Limits for Use (First Revision)		-	Indigenous
37	IS 16507 : 2017 Reviewed In : 2022	Transportable gas cylinders cascade - Specification	March, 2022	-	Indigenous
38	IS 16646 : 2017 Reviewed In : 2022 ISO 11119-3 : 2013	Transportable refillable fully wrapped composite cylinders for liquefied petroleum gas (LPG) - Specification	March, 2022	-	Not Equivalent
39	IS 16735 : 2018 ISO/TS 15869:2009	Cylinders for on - Board Storage of Compressed Gaseous Hydrogen and Hydrogen Blends as a Fuel for Automotive Vehicles - Specification		-	Not Equivalent
40	IS 16742 : 2018 ISO 12991 : 2012 Reviewed In : 2023 ISO 12991:2012	Liquefied natural gas (LNG) - Tanks for on - Board storage as a fuel for automotive vehicles	December, 2023	-	Identical under dual numbering
41	IS 16988 : 2018 Reviewed In : 2024	Compressed natural gas cylinder valve integrated with solenoid operation (Remotely Controlled) for automotive use - Specification	March, 2024	1	Indigenous
42	IS 17613 : 2021 ISO 20703:2006	GAS CYLINDERS REFILLABLE WELDED ALUMINIUM ALLOY CYLINDERS DESIGN CONSTRUCTION AND TESTING		-	Not Equivalent
43	IS 18272 : 2023	Residual pressure valves and type testing of cylinder valves incorporating residual pressure devices $\dot{V}_c/2$ Specification		-	Indigenous
44	IS 18719 (Part 1) : 2024 IS 18719 (Part 1): 2024/ ISO 21029-1: 2018	Cryogenic Vessels $\dot{V}_c/2$ Transportable Vacuum Insulated Vessels of not More than 1 000 Litres Volume Part 1 Design, Fabrication, Inspection and Tests		-	Identical under dual numbering

	IS 18719 (Part 1): 2024/ ISO 21029-1: 2018				
45	IS 18719 (Part 2) : 2024 ISO 21029-2 : 2015	Cryogenic Vessels $\frac{1}{2}$ Transportable Vacuum Insulated Vessels of not more than 1 000 Litres Part 2 Operational Requirements		-	Not Equivalent
46	IS 3196 (Part 1) : 2013 Reviewed In : 2024 ISO 22991 : 2004	Welded low carbon steel cylinders exceeding 5 litres water capacity for low pressure liquefiable gases: Part 1 cylinders for liquefied petroleum gases (Lpg) - Specification (Sixth Revision)	March, 2024	4	Not Equivalent
47	IS 3196 (Part 2) : 2006 Reviewed In : 2020 ISO/CD 4706-1	Welded low carbon steel cylinders exceeding 5 litre water capacity for low pressure liquefiable gases: Part 2 cylinders for liquefiable non - Toxic gases other than lpg - Specification (First Revision)	March, 2020	3	Not Equivalent
48	IS 3196 (Part 3) : 2012 Reviewed In : 2022 ISO 22991:2004	Welded low carbon steel cylinder exceeding 5 litre water capacity for low pressure liquefiable gases: Part 3 methods of test (First Revision)	October, 2022	2	Not Equivalent
49	IS 3196 (Part 4) : 2001 Reviewed In : 2021	Welded low carbon steel cylinders exceeding 5 litre water capacity for low pressure liquefiable gases - Specification: Part 4 cylinders for toxic and corrosive gases	November, 2021	2	Indigenous
50	IS 3224 : 2002 Reviewed In : 2017 10297:2014	Valve fittings for compressed gas cylinders excluding liquefied petroleum gas (LPG) cylinders - Specification (Third Revision)	November, 2017	3	Not Equivalent
51	IS 3224 : 2021 10297:2014	Valve for compressed gas cylinders excluding liquefied petroleum gas (LPG) cylinders - Specification (fourth revision)		-	Not Equivalent
52	IS 3710 : 1978 Reviewed In : 2020 BS 1736 AND BS 5355	Filling ratios for low pressure liquefiable gases contained in cylinders (First Revision)	March, 2020	1	Not Equivalent
53	IS 3745 : 2006 Reviewed In : 2021	Yoke type valve connections for small medical gas cylinders - Specification (Second Revision)	October, 2021	-	Indigenous
54	IS 3933 : 2021 32:1977	Colour Identification of Gas Cylinders and Related Equipment Intended for Medical Use (First Revision)		-	Not Equivalent
55	IS 4152 : 2011 Reviewed In : 2021 ISO 3500 : 2005	Seamless carbon dioxide cylinders for fire fighting purposes on boardship - Specification (Third Revision)	November, 2021	-	Not Equivalent
56	IS 4379 : 2021	Identification of the Contents of Industrial Gas Cylinders (Second Revision)		-	Indigenous
57	IS 5844 : 2014 Reviewed In : 2024	Hydrostatic stretch testing of compressed gas cylinders - Recommendations (First Revision)	January, 2024	-	Indigenous
58	IS 5845 : 1993	Code of practice for inspection of	October, 2022	-	Not Equivalent

	Reviewed In : 2022 CGA-C6-1955, AS : CB 22 : 1969	low pressure welded steel gas cylinders other than LPG cylinders in use (Second Revision)			
59	IS 5903 : 2014 Reviewed In : 2024 EN 13953 : 2003, CGAS-1.1 : 2007, A.S. 2613 : 2005	Recommendation for safety devices for gas cylinders (First Revision)	March, 2024	3	Not Equivalent
60	IS 6044 (Part 1) : 2018 Reviewed In : 2024	Liquefied petroleum gas storage installations - Code of practice: Part 1 residential, commercial and industrial cylinder installations (Third Revision)	January, 2024	-	Indigenous
61	IS 6044 : 2021	LIQUEFIED PETROLEUM GAS STORAGE INSTALLATIONS CODE OF PRACTICE PART 2 COMMERCIAL INDUSTRIAL AND DOMESTIC BULK STORAGE INSTALLATIONS		-	Indigenous
62	IS 7142 : 1995 Reviewed In : 2020	Welded low carbon steel cylinders for low pressure liquifiable gases not exceeding 5 litre water capacity - Specification (First Revision)	March, 2020	1	Indigenous
63	IS 7202 : 2017 Reviewed In : 2022	Inspection gauges for checking type 4 (Size 1, 2, 3) taper threads of gas cylinder valves and cylinder necks - Specification (First Revision)	October, 2022	-	Indigenous
64	IS 7241 : 1981 Reviewed In : 2022	Glossary of terms used in gas cylinder technology (First Revision)	October, 2022	-	Indigenous
65	IS 7285 (Part 1) : 2018 Reviewed In : 2022	Refillable seamless steel gas cylinders - Specification: Part 1 normalized steel cylinders (Fourth Revision)	October, 2022	2	Indigenous
66	IS 7285 (Part 2) : 2017 Reviewed In : 2022 ISO 9809-1	Refillable seamless steel gas cylinders - Specification: Part 2 quenched and tempered steel cylinders with tensile strength less than 1 100 mpa (112 Kgf/mm ²) (Fourth Revision)	October, 2022	1	Not Equivalent
67	IS 7302 : 2018 Reviewed In : 2022 ISO 13341	Valve fittings for self contained breathing apparatus (SCBA) and self contained underwater breathing apparatus (SCUBA) - Specification (First Revision)	October, 2022	1	Not Equivalent
68	IS 7312 : 2018 Reviewed In : 2024 ISO 3807 : 2013	Welded and seamless steel dissolved acetylene gas cylinders - Specification (Third Revision)	March, 2024	1	Not Equivalent
69	IS 8198 : 2004 Reviewed In : 2024	Steel cylinders for compressed gases (Atmospheric gases, hydrogen, high pressure liquefiable gases and dissolved acetylene gases) - Code of practice	March, 2024	-	Indigenous
70	IS 8198 (Part 5) : 2022	CODE OF PRACTICE FOR STEEL CYLINDERS FOR COMPRESSED GASES PART 5: LIQUEFIED PETROLEUM GAS		-	Indigenous

		LPG			
71	IS 8198 (Part 6) : 1988 Reviewed In : 2022	Code of practice for steel cylinders for compressed gases Part 6 Liquefied chlorine gas	October, 2022	-	Indigenous
72	IS 8198 (Part 7) : 2024	Steel Cylinders for Compressed Gases i½ Code of Practice Part 7 Ammonia Gas (Second Revision)		-	Indigenous
73	IS 8198 (Part 8) : 1993 Reviewed In : 2022	Code of practice for steel cylinders for compressed gases: Part 8 common organic refrigerant gases (First Revision)	September, 2022	-	Indigenous
74	IS 8198 (Part 8) : 2024	Steel Cylinders for Compressed Gases i½ Code of Practice Part 8 Common Organic Refrigerant Gases (Second Revision)		-	Indigenous
75	IS 8198 (Part 9) : 2024	Steel Cylinders for Compressed Gases i½ Code of Practice Part 9 Sulphur Dioxide Gas (Second Revision)		-	Indigenous
76	IS 8198 (Part 10) : 1980 Reviewed In : 2022	Code of practice for steel cylinders for compressed gases: Part 10 methyl bromide gas	October, 2022	-	Indigenous
77	IS 8198 (Part 10) : 2024	Steel Cylinders for Compressed Gases i½ Code of Practice Part 10 Methyl Bromide Gas (First Revision)		-	Indigenous
78	IS 8198 (Part 11) : 2024	Steel Cylinders for Compressed Gases i½ Code of Practice Part 11 Methyl Chloride Gas (Second Revision)		-	Indigenous
79	IS 8198 (Part 12) : 2024	Steel Cylinders for Compressed Gases i½ Code of Practice Part 12 Gases for Medical Use (First Revision)		-	Indigenous
80	IS 8433 : 2017 Reviewed In : 2021 CGA - C6	Periodic inspection and maintenance of dissolved acetylene gas cylinders - Code of practice (Second Revision)	November, 2021	-	Not Equivalent
81	IS 8451 : 2018 Reviewed In : 2024 ISO 6406 : 2005	Periodic inspection and testing of seamless steel gas cylinders - Code of practice (Third Revision)	January, 2024	-	Not Equivalent
82	IS 8452 : 1977 Reviewed In : 2021	Glossary of terms used in acetylene generators	November, 2021	-	Indigenous
83	IS 8471 : 2003 Reviewed In : 2024	Acetylene generators - Requirements (First Revision)	March, 2024	1	Indigenous
84	IS 8737 : 2017 NONE Reviewed In : 2022 ISO 14245 : 2006	Valve fittings for use with liquefied petroleum gas (LPG) cylinders for more than 5 litre water capacity - Specification (Second Revision)	October, 2022	1	Not Equivalent
85	IS 8775 : 1978 Reviewed In : 2022 BS 5355 : 1976	Filling pressure and corresponding developed pressure for permanent gases contained in cylinders	October, 2022	-	Not Equivalent
86	IS 8776 : 1988 Reviewed In : 2021 SMS 2237 : 1968, SMS 2262 : 1968	Specification for valve fittings for use with liquefied petroleum gas (LPG) cylinders up to and including 5 - Litre water capacity (First Revision)	June, 2021	1	Not Equivalent

87	SP 9 : 1973 Reviewed In : 2020	Technical data sheet for gases conveyed in cylinders	March, 2020	2	Indigenous
88	IS 9122 : 2023 ISO 11363-1:2018 and	Inspection Gauges for Checking Type 2 Taper Thread of Gas Cylinder Valves, Taper 3 in 25 — Specification (Second Revision)		-	Not Equivalent
89	IS 9200 : 2021	METHODS OF DISPOSAL OF UNSERVICEABLE COMPRESSED GAS CYLINDERS CODE OF PRACTICE		-	Indigenous
90	IS 9639 : 2017 Reviewed In : 2022	Visual inspection of low pressure welded steel gas cylinders during manufacture - Code of practice (First Revision)	October, 2022	-	Indigenous
91	IS 9798 : 2013 Reviewed In : 2019 EN 12864 : 2001	Low pressure regulators for use with liquefied petroleum gas (LPG) - Specification (Second Revision)	March, 2019	3	Not Equivalent
92	IS/ISO 9809-2 : 2019 ISO 9809-2 : 2019 ISO 9809-2 : 2019	GAS CYLINDERS DESIGN CONSTRUCTION AND TESTING OF REFILLABLE SEAMLESS STEEL GAS CYLINDERS AND TUBES PART 2 QUENCHED AND TEMPERED STEEL CYLINDERS AND TUBES WITH TENSILE STRENGTH GREATER THAN OR EQUAL TO 1 100 MPA		-	Identical under single numbering

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Preliminary Draft Standards

SI. No.	Doc No.	Title
1	MED 16 (22407)	Gas Cylinders-- Conditions for Filling Gas Cylinders First Revision Amendment - 1
2	MED 16 (25978)	LIGHT GAUGE METAL CONTAINERS NON-REFILLABLE LPG CARTRIDGES GENERAL REQUIREMENTS

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	MED 16 (25227)	COMPRESSED GASEOUS HYDROGEN CGH2 AND HYDROGENNATURAL GAS BLENDS VALVE INTEGRATED WITH SOLENOID OPERATION REMOTELY CONTROLLED FOR AUTOMOTIVE USE SPECIFICATION
2	MED 16 (25994)	COMPRESSED NATURAL GAS CYLINDER VALVE INTEGRATED WITH SOLENOID OPERATION REMOTELY CONTROLLED FOR AUTOMOTIVE USE - SPECIFICATION

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	MED 16 (15992)	Draft Indian Standard GAS CYLINDERS WELDED LOW CARBON STEEL CONTAINERS

		EXCEEDING 250 LITRES AND UP TO 1000 LITRES WATER CAPACITY FOR THE TRANSPORT OF LPG DESIGN AND CONSTRUCTION
2	MED 16 (15993)	Draft Indian Standard LPG EQUIPMENT AND ACCESSORIES DESIGN SPECIFICATION AND TESTING FOR LIQUEFIED PETROLEUM GAS LPG COMBO VALVES AND FITTINGS TO BE USED IN CYLINDERS WITH WATER CAPACITY MORE THAN 150 L
3	MED 16 (16990)	Liquefied petroleum gas storage installations - Code of practice Part 1 residential commercial and industrial cylinder installations Third Revision Amendment - 1
4	MED 16 (17305)	Refillable seamless steel gas cylinders - Specification Part 1 normalized steel cylinders Fourth Revision Amendment - 2
5	MED 16 (23088)	LOW PRESSURE REGULATORS FOR USE WITH LIQUEFIED PETROLEUM GAS LPG SPECIFICATION Third Revision of IS 9798
6	MED 16 (23485)	WELDED LOW CARBON STEEL CYLINDERS FOR LOW PRESSURE LIQUEFIABLE GASES NOT EXCEEDING 5 LITRE WATER CAPACITY SPECIFICATION Second Revision of IS 7142
7	MED 16 (24459)	GAS CYLINDERS REFILLABLE WELDED ALUMINIUM ALLOY CYLINDERS DESIGN CONSTRUCTION AND TESTING Amendment - 1
8	MED 16 (24593)	CYLINDERS FOR ON-BOARD STORAGE OF COMPRESSED GASEOUS HYDROGEN AND HYDROGEN BLENDS AS A FUEL FOR AUTOMOTIVE VEHICLES SPECIFICATION First revision of IS 16735
9	MED 16 (24646)	GAS CYLINDERS COMPATIBILITY OF CYLINDER AND VALVE MATERIALS WITH GAS CONTENTS PART 2 NON-METALLIC MATERIALS Second Revision Adoption of ISO 11114-2
10	MED 16 (25087)	Valve for compressed gas cylinders excluding liquefied petroleum gas LPG cylinders - Specification fourth revision Amendment - 1
11	MED 16 (25890)	CRYOGENIC VESSELS LARGE TRANSPORTABLE VACUUM-INSULATED VESSELS PART 1 DESIGN FABRICATION INSPECTION AND TESTING Modified Adoption of ISO 20421-1

Finalized Draft Indian Standard

Sl. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standards under Print

Sl. No.	Doc No.	Title
1	MED 16 (16579) Revision of: IS 3745:2006	Yoke Type Medical Cylinder Valve with Pin Index Connection
2	MED 16 (17247)	Valve fittings for use with liquefied petroleum gas LPG cylinders for more than 5 litre water capacity - Specification Second Revision Amendment - 2
3	MED 16 (18618) Revision of: IS 8776:1988	Valve Fittings for Use With Liquefied Petroleum Gas LPG Cylinders up to and Including 13 Litre Water Capacity Specification
4	MED 16 (20154) Revision of: IS 16017:2013	Transportable Gas Cylinders Periodic Inspection and Testing of Seamless Aluminium Alloy Gas Cylinders First Revision
5	MED 16 (20189) Revision of: IS 12300:1988	GAS CYLINDER VALVES FOR SMALL REFRIGERANT CYLINDERS SPECIFICATION
6	MED 16 (20199) Revision of: IS 5845:1993	INSPECTION OF LOW PRESSURE WELDED STEEL GAS CYLINDERS OTHER THAN LPG CYLINDERS IN USE CODE OF PRACTICE THIRD REVISION
7	MED 16 (22706)	CRYOGENIC VESSELS VALVES FOR CRYOGENIC VESSELS
8	MED 16 (23111)	GAS CYLINDERS REFILLABLE SEAMLESS STEEL TUBES OF WATER CAPACITY BETWEEN 150 L AND 3 000 L DESIGN CONSTRUCTION AND TESTING
9	MED 16 (23565) Revision of: IS 7241:1981	Gas Cylinder Technology Glossary of Terms Second Revision

Total Published Standards:80 Total Standards Under development:24

Aspect Wise Report

Product : 47

Code of Practices : 30
 Methods of Test : 6
 Terminology : 2
 Dimensions : 0
 System Standard : 1
 Safety Standard : 0
 Others : 2
 Service Specification : 0
 Process Specification : 0
 Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 15737 : 2006 ISO 10463 Reviewed In : 2016 ISO 10463:1993	Cylinders for permanent gases - inspection at time of filling
2	IS 2872 : 1967	Low carbon steel cylinders for the storage and transportation of liquefiable gases
3	IS 3870 : 1966	Code of practice for handling gas cylinders and related equipment intended for medical use
4	IS 4093 : 1981 Reviewed In : 2002	Non-refillable liquefied petroleum gas containers
5	IS 4784 : 1968	Low Pressure Regulators for Use with Butane Gas
6	IS 4785 : 1968	Low Pressure Regulators for Use with Propane gas
7	IS 4786 : 2014 Reviewed In : 2019 EN 12864 : 2001, EN 13785 : 2005	Variable high pressure regulators VHPR for use with liquefied petroleum gases - Specification First Revision
8	IS 7285 : 1988 Reviewed In : 2002	Seamless Steel Cylinders for Permanent and High Pressure Liquefiable Gases
9	IS 7311 : 1974	Seamless high carbon steel cylinders for permanent and high pressure liquefiable gases
10	IS 7312 : 1993 Reviewed In : 2013 ISO 18079-2	Welded and seamless steel dissolved acetylene gas cylinders
11	IS 7680 : 1985 Reviewed In : 1991	Welded Low Carbon Steel Gas Cylinders for Ammonia Anhydrous Gas
12	IS 7681 : 1985 Reviewed In : 1991	Welded Low Carbon Steel Gas Cylinders for Chlorine Gas
13	IS 7682 : 1985 Reviewed In : 1996	Welded Low Carbon Steel Gas Cylinders for Methyl Bromide Gas
14	IS 8198 (Part 1) : 1984 Reviewed In : 2000	Code of practice for steel cylinders for compressed gases Part 1 Atmospheric gases
15	IS 8198 (Part 2) : 1984 Reviewed In : 2000	Code of practice for steel cylinders for compressed gases Part 2 Hydrogen gas
16	IS 8198 (Part 3) : 1984 Reviewed In : 2000	Code of practice for steel cylinders for compressed gases Part 3 High pressure liquefiable gases
17	IS 8198 (Part 4) : 1984 Reviewed In : 2000	Code of practice for steel cylinders for compressed gases Part 4 Dissolved acetylene gas
18	IS 8471 (Part 1) : 1977 Reviewed In : 2008	Requirements for acetylene generators Part 1 Low pressure stationary of water to-carbide and carbide to water type
19	IS 8471 (Part 2) : 1977 Reviewed In : 2008	Requirements for acetylene generators Part 2 Low pressure portable of water-to-carbide type
20	IS 8471 (Part 3) : 1977 Reviewed In : 2008	Requirements for acetylene generators Part 3 Low pressure portable of carbide-to-water type

21	IS 8471 (Part 4) : 1977 Reviewed In : 2008	Requirements for acetylene generators Part 4 Medium pressure stationary of water-to-carbide and carbide-to-water type
22	IS 8471 (Part 5) : 1977 Reviewed In : 2008	Requirements for acetylene generators Part 5 Medium pressure portable of water-to-carbide and carbide-to-water type
23	IS 8866 : 1978 Reviewed In : 2007	Filling ratios and corresponding developed pressure for high pressure liquefiable gases contained in gas cylinder
24	IS 8867 : 1978 Reviewed In : 2007	Saturated vapour pressure and test pressure for low pressure liquefiable gases contained in gas cylinders
25	IS 8868 : 1988 Reviewed In : 2007	Periodical inspection interval of gas cylinders in use
26	IS 9121 : 2005 Reviewed In : 2010	Inspection Gauges for Checking Type 1 Size 2 Taper Threads of Gas Cylinder Valves Taper 1 in 16
27	IS 9199 : 1979 Reviewed In : 2007	Inspection Gauges for Checking Type 3 Taper Threads of Gas Cylinder Valves Taper 6 Included Angle
28	IS 9687 : 1980 Reviewed In : 2010	Inspection Gauges for Checking Type 1 Size 1 Taper Threads of Gas Cylinder Valves Taper 1 in 16

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 11006 : 2011 Reviewed In : 2021	Flash back arrestor Flame Arrestor - Specification First Revision
2	IS/ISO 11114-1 : 2020 ISO 11114-1:2020 ISO 20813 : 2019	Gas Cylinders Compatibility of Cylinder and Valve Materials with Gas Contents Part 1 Metallic Materials First Revision
3	IS/ISO 11119-1 : 2020 ISO 11119-1 : 2020	GAS CYLINDERS - DESIGN CONSTRUCTION AND TESTING OF REFILLABLE COMPOSITE GAS CYLINDERS AND TUBES PART 1 HOOP WRAPPED FIBRE REINFORCED COMPOSITE GAS CYLINDERS AND TUBES UP TO 450 LITRES
4	IS/ISO 11119-2 : 2020 ISO 11119-2 : 2020	Gas Cylinders Design Construction and Testing of Refillable Composite Gas Cylinders and Tubes Part 2 Fully Wrapped Fibre Reinforced Composite Gas Cylinders and Tubes up to 450 Litres with Load-Sharing Metal Liners
5	IS/ISO 11119-3 : 2020 ISO 11119-3 : 2020	Gas Cylinders Design Construction and Testing of Refillable Composite Gas Cylinders and Tubes Part 3 Fully Wrapped Fibre Reinforced Composite Gas Cylinders and Tubes up to 450 Litres with Non-load-sharing Metallic or Non-metallic Liners or without Liners
6	IS/ISO 11515 : 2022 ISO 11515 : 2022	GAS CYLINDERS REFILLABLE COMPOSITE REINFORCED TUBES OF WATER CAPACITY BETWEEN 450 L AND 3 000 L DESIGN CONSTRUCTION AND TESTING
7	IS 12300 : 1988 Reviewed In : 2022 ANSI B-57.1-1977	Valve fittings for refrigerant cylinders - Specification
8	IS 12586 : 2021 ISO 128-2:2022	Brazed low carbon steel gas cylinders not exceeding 13 litre water capacity Specification
9	IS 13497 : 2017 Reviewed In : 2022	Fusible plug for dissolved acetylene gas cylinder - Specification First Revision
10	IS/ISO 13985 : 2006 Reviewed In : 2021 ISO 13985 : 2006	Liquid hydrogen - Land vehicle fuel tanks
11	IS 14899 : 2014 Reviewed In : 2019 ISO 20826 : 2006	Liquefied petroleum gas LPG containers for automotive use - Specification First Revision
12	IS 15100 : 2018 Reviewed In : 2023 UN Regulation No. 67, AS/NZS 1425, IEC 68-2-52, ISO 1817	Multi - Function valve assembly for permanently fixed liquefied petroleum gas LPG containers for automotive use - Specification First Revision
13	IS 15490 : 2017	Seamless steel cylinders for on - Board storage of compressed natural gas as a fuel for automotive vehicles - Specification First Revision

	Reviewed In : 2022 ISO 11439 : 2013, ISO 9809-1 : 2010	
14	IS 15637 : 2006 Reviewed In : 2020 AS 2469, AS 2470, EN 14140	Welded stainless steel cylinders for liquefied petroleum gases LPG from 0.5 litre to 250 litre water capacity - Specification
15	IS 15660 : 2017 Reviewed In : 2022 ISO 7866 : 2012	Refillable transportable seamless aluminium alloy gas cylinders - Specification First Revision
16	IS 15894 : 2018 Reviewed In : 2024	Inspection gauges for checking taper threads of gas cylinder valves and cylinder necks - Taper 1 in 16 on diameter - Specification First Revision
17	15935 : 2021	Composite Cylinders for On-Board Storage of Compressed Natural Gas CNG as a Fuel for Automotive Vehicle - Specification First Revision
18	IS 16280 : 2021 ISO/IEC/IEEE 42020 : 2019	High Pressure Regulators and Adaptors for Use with Liquefied Petroleum Gases LPG Specification First Revision
19	IS 16484 : 2017 Reviewed In : 2022 ISO 15995:2006, EN 13175:2003, ANSI/CGA V-1	Liquid off - Take valve fitting to gas cylinders or tanks Mobile Or Static for liquid petroleum gas LPG - Specification
20	IS 16485 : 2020 ISO 16852 : 2016	Flame Arresters Performance Requirements Test Methods and Limits for Use First Revision
21	IS 16507 : 2017 Reviewed In : 2022	Transportable gas cylinders cascade - Specification
22	IS 16646 : 2017 Reviewed In : 2022 ISO 11119-3 : 2013	Transportable refillable fully wrapped composite cylinders for liquefied petroleum gas LPG - Specification
23	IS 16735 : 2018 ISO/TS 15869:2009	Cylinders for on - Board Storage of Compressed Gaseous Hydrogen and Hydrogen Blends as a Fuel for Automotive Vehicles - Specification
24	IS 16742 : 2018 ISO 12991 : 2012 Reviewed In : 2023 ISO 12991:2012	Liquefied natural gas LNG - Tanks for on - Board storage as a fuel for automotive vehicles
25	IS 16988 : 2018 Reviewed In : 2024	Compressed natural gas cylinder valve integrated with solenoid operation Remotely Controlled for automotive use - Specification
26	IS 17613 : 2021 ISO 21503 : 2022	GAS CYLINDERS REFILLABLE WELDED ALUMINIUM ALLOY CYLINDERS DESIGN CONSTRUCTION AND TESTING
27	IS 18272 : 2023	Residual pressure valves and type testing of cylinder valves incorporating residual pressure devices Specification
28	IS 18719 (Part 1) : 2024 IS 18719 (Part 1): 2024/ ISO 21029-1: 2018	Cryogenic Vessels Transportable Vacuum Insulated Vessels of not More than 1 000 Litres Volume Part 1 Design Fabrication Inspection and Tests
29	IS 3196 (Part 1) : 2013 Reviewed In : 2024 ISO 22991 : 2004	Welded low carbon steel cylinders exceeding 5 litres water capacity for low pressure liquefiable gases Part 1 cylinders for liquefied petroleum gases Lpg - Specification Sixth Revision
30	IS 3196 (Part 2) : 2006 Reviewed In : 2020 ISO/CD 4706-1	Welded low carbon steel cylinders exceeding 5 litre water capacity for low pressure liquefiable gases Part 2 cylinders for liquefiable non - Toxic gases other than lpg - Specification First Revision
31	IS 3196 (Part 4) : 2001	Welded low carbon steel cylinders exceeding 5 litre water capacity for low pressure liquefiable

	Reviewed In : 2021	gases - Specification Part 4 cylinders for toxic and corrosive gases
32	IS 3224 : 2021	Valve for compressed gas cylinders excluding liquefied petroleum gas LPG cylinders - Specification fourth revision
33	IS 3710 : 1978 Reviewed In : 2020 BS 1736 AND BS 5355	Filling ratios for low pressure liquefiable gases contained in cylinders First Revision
34	IS 3745 : 2006 Reviewed In : 2021	Yoke type valve connections for small medical gas cylinders - Specification Second Revision
35	IS 4152 : 2011 Reviewed In : 2021 ISO 3500 : 2005	Seamless carbon dioxide cylinders for fire fighting purposes on boardship - Specification Third Revision
36	IS 5903 : 2014 Reviewed In : 2024 EN 13953 : 2003, CGAS-1.1 : 2007, A.S. 2613 : 2005	Recommendation for safety devices for gas cylinders First Revision
37	IS 7142 : 1995 Reviewed In : 2020	Welded low carbon steel cylinders for low pressure liquifiable gases not exceeding 5 litre water capacity - Specification First Revision
38	IS 7202 : 2017 Reviewed In : 2022	Inspection gauges for checking type 4 Size 1 2 3 taper threads of gas cylinder valves and cylinder necks - Specification First Revision
39	IS 7285 (Part 1) : 2018 Reviewed In : 2022	Refillable seamless steel gas cylinders - Specification Part 1 normalized steel cylinders Fourth Revision
40	IS 7285 (Part 2) : 2017 Reviewed In : 2022 ISO 9809-1	Refillable seamless steel gas cylinders - Specification Part 2 quenched and tempered steel cylinders with tensile strength less than 1 100 mpa 112 Kgf mm sup2 Fourth Revision
41	IS 7302 : 2018 Reviewed In : 2022 ISO 13341	Valve fittings for self contained breathing apparatus SCBA and self contained underwater breathing apparatus SCUBA - Specification First Revision
42	IS 8471 : 2003 Reviewed In : 2024	Acetylene generators - Requirements First Revision
43	IS 8737 : 2017 NONE Reviewed In : 2022 ISO 14245 : 2006	Valve fittings for use with liquefied petroleum gas LPG cylinders for more than 5 litre water capacity - Specification Second Revision
44	IS 8776 : 1988 Reviewed In : 2021 SMS 2237 : 1968, SMS 2262 : 1968	Specification for valve fittings for use with liquefied petroleum gas LPG cylinders up to and including 5 - Litre water capacity First Revision
45	IS 9122 : 2023	Inspection Gauges for Checking Type 2 Taper Thread of Gas Cylinder Valves Taper 3 in 25 Specification Second Revision
46	IS 9798 : 2013 Reviewed In : 2019 EN 12864 : 2001	Low pressure regulators for use with liquefied petroleum gas LPG - Specification Second Revision
47	IS/ISO 9809-2 : 2019 ISO 9809-2 : 2019	GAS CYLINDERS DESIGN CONSTRUCTION AND TESTING OF REFILLABLE SEAMLESS STEEL GAS CYLINDERS AND TUBES PART 2 QUENCHED AND TEMPERED STEEL CYLINDERS AND TUBES WITH TENSILE STRENGTH GREATER THAN OR EQUAL TO 1 100 MPA