

BUREAU OF INDIAN STANDARDS

Program of Work

MTD 26 : Industrial Fuel-Fired Furnaces Sectional Committee

Scope: Standardization in the field of industrial fuel fired furnaces

Liaison: **ISO TC-244 (P): Industrial furnaces and associated processing equipment**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10298 : 1982 Reviewed In : 2021 Reaffirmed but not taken up for revision	Guidelines for design and construction of mould and core drying ovens for foundries	March, 2021	-	Indigenous
2	IS 11462 : 1985 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for mould and core sand dryers, rotary type	March, 2021	1	Indigenous
3	IS 12368 : 1988 Reviewed In : 2021	Guidelines for design and construction of hot air generators	March, 2021	1	Indigenous
4	IS 12392 : 1988 Reviewed In : 2021	Code of practice for design, manufacture and testing of metallic recuperators	March, 2021	-	Indigenous
5	IS 12553 : 1988 Reviewed In : 2023	Code of practice for design, construction, installation and operation of industrial gas/oil burning equipment	November, 2023	-	Indigenous
6	IS 12826 (Part 1) : 1989 Reviewed In : 2021 Reaffirmed but not taken up for revision	Ordering, Testing and Acceptance of Industrial Furnaces - Code Of Practice Part 1 Purchaser's Data Sheet For Ordering Of Industrial Furnaces	March, 2021	1	Indigenous
7	IS 12826 (Part 2) : 1990 Reviewed In : 2023 Reaffirmed but not taken up for revision	Ordering, Testing and Acceptance of Industrial Furnaces - Code of Practice - Part 2 : Supplier's Data Sheet for the Supply of Industrial Furnaces	March, 2023	-	Indigenous
8	IS 12826 (Part 3) : 1990 Reviewed In : 2023 Reaffirmed but not taken up for revision	Code of practice for ordering, testing and acceptance of industrial furnaces: Part 3 Testing and acceptance of industrial furnaces	March, 2023	1	Indigenous
9	IS 14245 : 1995 Reviewed In : 2023	Protective atmosphere for heat treatment furnaces -	March, 2023	-	Indigenous

		Recommendations			
10	IS 14492 : 1997 Reviewed In : 2023	Drying, pre-heating and commissioning of furnace installations, steam boilers, industrial kilns and chimneys - Recommendations	November, 2023	-	Indigenous
11	IS 15562 : 2005 Reviewed In : 2023	Design and construction of fuel fired bogie hearth type heat treatment furnaces - Guidelines	March, 2023	-	Indigenous
12	IS 16191 : 2014 Reviewed In : 2020	Safety for oil fired furnaces	February, 2020	-	Indigenous
13	IS 16206 : 2017 Reviewed In : 2022	Safety for gas fired furnaces	March, 2022	-	Indigenous
14	IS 17082 : 2019 Reviewed In : 2024	Guidelines for Design and Construction of Continuous Pusher Type Oil / Gas Top Fired Reheating Furnaces	March, 2024	-	Indigenous
15	IS 17914 (Part 1) : 2022 ISO 13579-1: 2013 ISO 13579-1: 2013	Industrial furnaces and associated processing equipment Method of measuring energy balance and calculating efficiency Part 1: General methodology		-	Identical under dual numbering
16	IS 17914 (Part 2) : 2022 ISO 13579-2 : 2013 ISO 13579-2 : 2013	Industrial furnaces and associated processing equipment Method of measuring energy balance and calculating efficiency Part 2: Reheating furnaces for steel		-	Identical under dual numbering
17	IS 17914 (Part 3) : 2022 ISO 13579-3 : 2013 ISO 13579-3 : 2013	Industrial furnaces and associated processing equipment Method of measuring energy balance and calculating efficiency Part 3: Batch-type aluminium melting furnaces		-	Identical under dual numbering
18	IS 17914 (Part 4) : 2022 ISO 13579-4 : 2013 ISO 13579-4 : 2013	Industrial furnaces and associated processing equipment Method of measuring energy balance and calculating efficiency Part 4: Furnaces with protective or reactive atmosphere		-	Identical under dual numbering
19	IS 17914 (Part 5) : 2022 ISO 13579-11 : 2017 ISO 13579-11 : 2017	Industrial furnaces and associated processing equipment Method of measuring energy balance and calculating energy efficiency Part 11: Evaluation of various kinds of efficiency		-	Identical under dual numbering
20	IS 17984 (Part 1) : 2024 ISO 13577-1 : 2016 ISO 13577-1 : 2016	Industrial furnaces and associated processing equipment - Safety - Part 1: General requirements		-	Identical under dual numbering
21	IS 17984 (Part 2) : 2024 ISO 13577-2:2014 ISO 13577-2:2014	Industrial furnaces and associated processing equipment -- Safety -- Part 2: Combustion and fuel handling systems		-	Identical under dual numbering
22	IS 17984 (Part 3) : 2024 ISO 13577-3:2016 ISO 13577-3:2016	Industrial furnaces and associated processing equipment -- Safety -- Part 3: Generation and use of protective and reactive atmosphere gases		-	Identical under dual numbering
23	IS 17984 (Part 4) :	Industrial Furnaces and Associated		-	Identical under dual

	2024 ISO 13577-4:2022 ISO 13577-4:2022	Processing Equipment i;½ Safety Part 4 Protective Systems			numbering
24	IS 8849 : 2024 ISO 13574 : 2015 ISO 13574 : 2015	Industrial Furnaces and Associated Processing Equipment â€” Vocabulary (Second Revision)		-	Identical under dual numbering
25	IS 8849 : 1991 Reviewed In : 2023 ISO 13574 : 2015	Glossary of terms relating to fuel - fired industrial furnaces (First Revision)	March, 2023	-	Identical under dual numbering
26	IS 9180 : 2011 Reviewed In : 2021	Recommendations for performance rating of fuel - fired furnaces (Second Revision)	March, 2021	-	Indigenous
27	IS 9444 : 2007 Reviewed In : 2023	Code of practice for installation of oil supply units for fuel - fired furnaces (First Revision)	March, 2023	-	Indigenous
28	IS 9977 : 1998 Reviewed In : 2023 Reaffirmed but not taken up for revision	Design and construction of box type forging furnaces - Guidelines (First Revision)	March, 2023	1	Indigenous

Standards under Development

Projects Approved

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

Preliminary Draft Standards

SI. No.	Doc No.	Title
1	MTD 26 (24181) Revision of: IS 12553:1988	Code of Practice for Design Construction Installation and Operation of Industrial Gas Oil Burning Equipment First Revision
2	MTD 26 (25871) Revision of: IS 12392:1988	Design Manufacture and Testing of Metallic Recuperator - Code of Practice First Revision

Drafts Standards in WC Stage

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

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	MTD 26 (23691)	Guidelines for Design and Construction of Continuous Pusher Type Coal Oil Gas Top Fired Reheating Furnaces First Revision
2	MTD 26 (24182)	Drying Pre-Heating and Commissioning of Furnace Installations Steam Boilers Industrial Kilns and Chimneys Recommendations First Revision

Finalized Draft Indian Standard

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

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
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No Records Found

Total Published Standards:23 Total Standards Under development:4

Aspect Wise Report

Product : 1
Code of Practices : 17
Methods of Test : 0
Terminology : 1
Dimensions : 1
System Standard : 0
Safety Standard : 6
Others : 1
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
No Records Found		

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 11462 : 1985 Reviewed In : 2021 Reaffirmed but not taken up for revision	Specification for mould and core sand dryers rotary type