



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

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Review Document

Basic Details

1.	Sectional Committee No. & Title:	MED 20 - Pumps
2.	IS No :	IS 8472 : 2019
3.	Title :	Centrifugal regenerative pumps for clear, cold water - Specification (Second Revision)
4.	Date of Previous Review:	March, 2019

Review Analysis

5.1 Status of standard(s), if any from which assistance had been drawn in the formulation of this IS.

S.No.	Standard (No.)	Standard (Title)	Whether the standard has since been revised	Major changes	Action proposed
1	-	-	-	-	Nil

5.2 Status of standard referred in the IS.

S.No.	Referred standards (No.)	Referred standards (Title)	Since revised IS no. of the corresponding IS	Changes in the referred Standards since last review of IS	Changes in the referred standard which are affecting the standard under review	Action proposed
1	IS 210 : 2009	Grey iron castings (IS 210) Specification (fourth revision)	No new revision	No change	-	No change
2	IS 304 : 1981	High tensile brass ingots and castings	No new revision	No change	-	No change
3	IS 318 : 1981	Specification for leaded tin bronze ingots and castings (second revision)	No new revision	No change	-	No change
4	IS 1239 (Part 1) : 2004	Steel tubes, tubulars and other wrought steel fittings: Part 1 Steel tubes	No new revision	No change	-	No change
5	IS 1885 (Part 35) : 1993	Electrotechnical vocabulary: Part 35 Rotating machines	Revised in 2021 (Second revision)	No change	-	No change
6	IS 4029 : 2010	Guide for testing three phase induction motors	No new revision	No change	-	No change
7	IS 4984 : 2016	High density polyethylene pipes for potable water supplies	No new revision	No change	-	No change
8	IS 4985 : 2000	Unplasticized PVC pipes for potable water supplies	Revised in 2021 (Fourth revision)	The nominal size requirements for pipe is available in the current revision of the standard.	-	No change
9	IS 5120 : 1977	Technical requirements for rotodynamic special purpose pumps	No new revision	No change	-	No change
10	IS 6603 : 2001	Stainless steel bars and flats	No new revision	No change	-	No change
11	IS 6912 : 2005	Copper and copper alloy forging stock and forgings	No new revision	No change	-	No change
12	IS 7347 : 1974	Performance of small size spark ignition engines for agricultural sprayer and similar applications	No new revision	No change	-	No change
13	IS 7538 : 1996	Three-phase squirrel cage induction motors for centrifugal pumps for agricultural applications	No new revision	No change	-	No change
14	IS 7572 : 1974	Guide for testing single-phase AC and universal motors	No new revision	No change	-	No change
15	IS 10572 : 1983	Methods of sampling for pumps	No new revision	No change	-	No change
16	IS 11170 : 1985	Performance requirements for constant speed compression ignition (diesel) Engines for Agricultural Purposes (Up to 20 kw)	No new revision	No change	-	No change
17	IS 11346 : 2002	Code of acceptance tests for agricultural and water supply pumps (first revision)	No new revision	No change	-	No change
18	IS 12231 : 1987	Unplasticized PVC pipes for use in suction and delivery lines of agricultural pump sets	No new revision	No change	-	No change
19	IS 14582 : 1998	Single-phase small A.C. electric motors for centrifugal pumps for agricultural applications	Revised in 2021 (First revision)	No change	-	No change
20	IS/IEC 60034 -1 : 1996	Rotating electrical machines: Part 1 Rating and performance	Withdrawn	No change	-	No change

5.3 Any other standards available related to the subject & scope of the standard being reviewed (International/regional/other national/association/consortia, etc or of new or revision of existing Indian Standard).

S.No.	Standard (No.)	Standard (Title)	Provisions that could be relevant while reviewing the IS	Action proposed
1	-	-	-	No other national/international standard was found on the subject.

5.4 Technical comments on the standard received, if any.

S.No.	Source	Clause of IS	Comment	Action proposed
No entry made in this table				

5.5 Information available on relevant technical developments

S.No.	Source	Development	Relevant clause of the IS under review that is likely to be impacted (Clause & IS No.)	Action proposed
1	Research Papers	ScienceDirect has been published a document on Regenerative Pump, but it is not particular on centrifugal Regenerative Pump, the following topic may considerable: 1. Design of a regenerative pump stage 2. Review and state of the art of regenerative liquid ring pumps Link: https://www.sciencedirect.com/topics/engineering/regenerative-pump	-	The committee may consider the document while reviewing the standard.

5.6 Issues arising out of changes in any related IS or due to formulation of new Indian Standard.

S.No.	Related IS (revised or new)	Related IS Title	Provision in the IS under review that would be impacted & the clause no. or addition of new clause/provision	Changes that may be necessary in the Standards under review	Action proposed
No entry made in this table					

5.7 Any consequential changes to be considered in other IS.

S.No.	Related IS to get impacted	Related IS Title	Requirements to be impacted
1	IS 10596 : Part 1-1983	Code of practice for selection, installation, operation and maintenance of pumps for industrial applications: Part 1 selection	Refer in annex A for Indian Standards on pump.

Other Details

6.	Any other observation:	☞ The cross refer standard should be updated with current revision.
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7.	Upload Supporting Document(s)	
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7.1 ARP Report	68_15644_231205121023_ARP_Report.docx
7.2 Draft Document	No Document Uploaded

8.	Recommendations - On the basis of the analysis of the info available as mentioned above consideration of sectional committee is solicited on the following aspects of the IS under review:	The committee may consider the above information and take the standard for revision/reaffirmation.
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