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# DRAFT INDIAN STANDARD IN WIDE CIRCULATION

**Reference : PGD 36 (23662)** **Date : 09 January 2024**

**TECHNICAL COMMITTEE : Fluid Power System, PGD 36**

**To,**

**All concerned**

Dear Madam/Sir,

The following document has been prepared by the Fluid Power System Sectional Committee, PGD 36. Please click here to view the document.

**Document Number : PGD 36 (23662) WC**
**Title of the document : Hydraulic Fluid Power Calibration of Automatic Particle Counters for Liquids**
**Document Type : Revision of Indian Standard ()**

*This document has following salient features which may require specific attention for your valuable comments:*

*1) The major changes in this revision are as follows: a) In term 3.8, particle size distribution, Note 1 to entry has been revised; b) In clause 6.12 and D.3, the threshold voltage settings for the second and fourth channels have been revised to 0.56 times and 1.56 times, respectively, of the threshold voltage setting of the third channel.; c) Clause B.8 has been amended to read, "calculate the theoretical number concentration of particles for each mass concentration, Xt."; d) In Table B.1, the units for "Xt (particles/L)" have been corrected to "Xt (particles/mL)"; e) In clause D.7, the threshold voltage settings for the first and fifth channels have been revised to 0.56 times and 1.56 times, respectively, of the threshold voltage setting of the third channel.; f) In clause G.6, the subscript in the denominator of formula G.3 has been corrected from "V0" to "VS".*
*2) This document specifies procedures for the following: a) primary particle-sizing calibration for particle sizes 1 µm(c) and larger, sensor resolution and counting performance of liquid automatic particle counters that are capable of analysing bottle samples; b) secondary particle-sizing calibration using suspensions verified with a primary calibrated*

*APC; c) establishing acceptable operation and performance limits; d) verifying particle sensor performance using a test dust; e) determining coincidence and flow rate limits.*

Please examine the document and share your comments regarding further improvement in the document.

**Last date for sharing the comments is : 09 March 2024**

The comments so received shall be taken up by the Sectional Committee for necessary action. For any other query, please write an email at pgd@bis.gov.in to the undersigned at Bureau of Indian Standard, Manak Bhawan, 9, Bahadur Shah Zafar Marg, New Delhi.

In case no comments are received, we would presume your approval of the documents. However, in case we receive any comments on the document, the same shall be put up to the Sectional Committee for necessary action.

Thanking You,

**Yours faithfully,**
**(ITS ADMIN)**
**Head (Production and General Engineering Department)**
**Email: pgd@bis.gov.in**

**व्यापक परिचालन में मसौदा(दे)**

हमारा सन्दर्भ : PGD 36 (23662) दिनांक : 09-01-2024

**तकनीकी समिति : Fluid Power System Sectional Committee, PGD 36**

**प्राप्तकर्ता : रूचि रखने वाले सभी निकाय**

महोदय/या,

**निम्नलिखित मसौदा तैयार किया गया है :**

**प्रलेख संख्या : PGD 36 (23662) WC**
**शीर्षक :**

कृपया इस/इन मानक(को)/संसोधन(नो) के मसौदे(दो) का अवलोकन करें और अपनी सम्मतियाँ यह बताते हुए भेजें कि यदि ये मानक(को) के संशोधन(नो) के रूप में प्रकाशित हो तो इन पर अमल करने में आपके व्यवसाय अथवा कारोबार में क्या कठिनाइयां आ सकती हैं।

**सम्मत्तियाँ भेजने की अंतिम तिथि : 09 March 2024**

सम्मतियाँ, यदि कोई हों तो, कृपया यहाँ क्लिक करके ऑनलाइन पोर्टल के माध्यम से ऊपर दी गयी अंतिम तिथि तक दर्ज कराएं।

यह/ये प्रलेख भारतीय मानक ब्यूरो की वेबसाइट www.bis.gov.in पर भी उपलब्ध है/हैं।

धन्यवाद।

**भवदीय/भवदिया,**

**विभाग प्रमुख का नाम : ITS ADMIN**
**(Production and General Engineering Department)**
**ई-मेल : pgd@bis.gov.in**