

# JIS

JAPANESE  
INDUSTRIAL  
STANDARD

Translated and Published by  
Japanese Standards Association

---

**JIS S 2037** : 2007

(JHIA)

**Filler pumps for oil burning  
appliances**

---

**ICS** 27.060.10

**Reference number** : **JIS S 2037 : 2007 (E)**

S 2037 : 2007

Date of Establishment: 1963-12-01

Date of Revision: 2007-03-20

Date of Public Notice in Official Gazette: 2007-03-20

Investigated by: Japanese Industrial Standards Committee  
Standards Board

Technical Committee on Consumer Life Products

---

JIS S 2037:2007, First English edition published in 2008-06

Translated and published by: Japanese Standards Association  
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

---

In the event of any doubts arising as to the contents,  
the original JIS is to be the final authority.

© JSA 2008

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

AT

PROTECTED BY COPYRIGHT

## Contents

	Page
Introduction.....	1
1 Scope .....	1
2 Normative references .....	1
3 Classification .....	1
4 Quality and performance .....	2
5 Construction .....	3
5.1 General construction .....	3
5.2 Construction of manual operative type pumps .....	4
5.3 Construction of battery-operated type pumps .....	4
6 Dimensions .....	5
7 Appearance .....	5
8 Materials .....	6
9 Manufacture .....	6
10 Test methods .....	6
10.1 Condition for testing .....	6
10.2 Leakage test .....	7
10.3 Test of number of starting operations .....	7
10.4 Flow rate test .....	7
10.5 Lift head test .....	8
10.6 Joint test .....	8
10.7 Test of oil resistance of plastic materials .....	9
10.8 Test of oil resistance of jointing part .....	9
10.9 Fatigue test.....	10
10.10 Test of operation at low temperature .....	10
10.11 Bend test.....	10
10.12 Test of change in flow rate at low voltage.....	10
10.13 Operation test .....	11
10.14 Test of insulation resistance .....	11
10.15 Falling-down test .....	11
10.16 Pressure resistance test.....	11
10.17 Test of automatic stop motion .....	11
10.18 Test of durability of automatic stop motion device .....	12
10.19 Test of durability of mounting/demounting to the oil supplying cap .....	12
10.20 Dimensions .....	12

11	Inspection .....	13
11.1	Type inspection .....	13
11.2	Product inspection .....	14
12	Designation of product .....	14
13	Marking .....	14
13.1	Marking on products .....	14
13.2	Marking on packages .....	15
13.3	Marking stating pass of type inspection .....	15
Annex A (normative)	Transitional provisions of JIS S 2037 (Filler pumps for oil burning appliances) .....	21

**Foreword**

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Heating Appliance Inspection Association (JHIA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14.

Consequently **JIS S 2037**:1992 is replaced with this Standard.

This **JIS** document is protected by the Copyright Law.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

# Filler pumps for oil burning appliances

## Introduction

With the view to promote stability and standardization of quality of filler pumps for oil burning appliances that are used to transfer kerosene from 18-litre kerosene cans, this Japanese Industrial Standard was established as **JIS S 2028** (*Filler pumps for oil burning appliances*) in 1963 and then had its title and number changed to the present ones.

As a result of the revision at this time, the numerals in this Standard are to be only given in the SI unit and are to be rounded to result in values no less severe than those given in the previous provision, without compromising the effectiveness. The format of standard and the wordings used to express the provisional requirements have been modified according to **JIS Z 8301** (*Rules for the layout and drafting of Japanese Industrial Standards*) revised in 2005. Also, in the marking on products, “number and title of this Standard” have been added in seeking compliance with the relevant ministerial ordinance and Japanese Industrial Standards.

## 1 Scope

This Standard specifies the filler pumps to be used for transferring kerosene contained in polyethylene containers or steel drums to oil burning appliance and the like (hereafter referred to as the “pumps”). In this case, the polyethylene containers herein stated are those specified in **JIS Z 1710**. And, the drums mean the type specified in **JIS Z 1601**.

## 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS C 8501 *Carbon zinc batteries*

JIS C 8511 *Alkaline primary batteries*

JIS K 2201 *Gasoline for industrial purpose*

JIS K 2203 *Kerosine*

JIS K 6741 *Unplasticized poly (vinyl chloride) (PVC-U) pipes*

JIS K 6761 *Polyethylene pipes for General Purposes*

JIS K 6771 *Flexible vinyl tube*

JIS S 3030 *General rules for construction of oil burning appliances*

JIS Z 1601 *Tight head steel drums*

JIS Z 1710 *Blow moulded polyethylene containers for kerosine*

## 3 Classification

The pumps shall be classified according to bore diameter of discharge hose and construction as shown in table 1.