



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS A 5731 : 2002

**Recycled plastics inspection
chambers and covers for
rainwater**

ICS 83.140.99; 91.060.20

Reference number : JIS A 5731 : 2002 (E)

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law:

Date of Establishment: 2002-02-20

Date of Public Notice in Official Gazette: 2002-02-20

Investigated by: Japanese Industrial Standards Committee
Standards Board
Technical Committee on Architecture

JIS A 5731 : 2002, First English edition published in 2003-01

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,
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Printed in Japan

Recycled plastics inspection chambers and covers for rainwater

1 Scope This Japanese Industrial Standard specifies the chambers for rainwater (hereafter referred to as “chambers”) and covers to be used in housing site, which are made by using mainly recycled plastics and additives such as fillers, reinforcing agents, and the like, as occasion demands.

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

JIS A 1408 *Test methods of bending and impact for building boards*

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

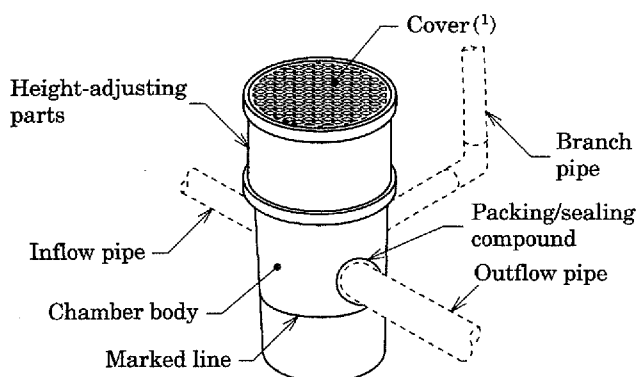
3 Definitions The definitions of main terms used in this Standard shall be as follows.

- a) **recycled plastics** Preconsumer materials and postconsumer materials of various plastics.
- b) **pre-consumer material** Material diverted from the waste stream during a manufacturing process. Excluded is reutilization of materials such as rework, regrind or scrap generated in a process and capable of being reclaimed within the same process that generated it (**JIS Q 14021**).
- c) **post-consumer material** Material generated by households or by commercial, industrial and institutional facilities in their role as end-users of the product which can no longer be used for its intended purpose. This includes returns of material from the distribution chain (**JIS Q 14021**).

4 Name, composition and classification

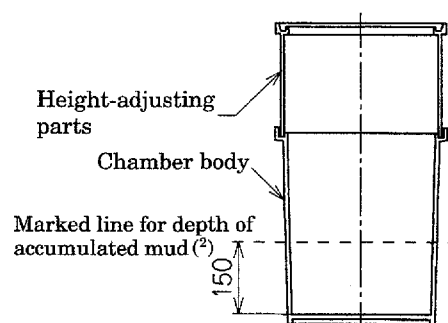
4.1 Name and composition The names of each part shall be as shown in Fig. 1. The chambers shall be composed of the body of the chamber and the height-adjusting parts as shown in Fig. 2.

Unit : mm



Note (1) The cover shall have an effective non-slip surface.

Fig. 1 Names of each part



Note (2) A marked line of 150 mm depth for accumulated mud level shall be inscribed on the chamber body.

Fig. 2 Composition of chamber

4.2 Classification The classification and symbols of chambers and covers shall be as shown in Table 1 to Table 3.

Remarks : Those other than the classification as shown in Table 1 to Table 3 shall be subject to the agreement between the parties concerned with delivery.

Table 1 Classification of chamber body

Unit : mm

Shape	Symbols	Nominal dimensions		Example of diameter of connecting pipes (informative)		
		Diameter or side	Height	Inflow pipe	Branch pipe	Outflow pipe
Round shape	RMC	250	300	100 max.	75 max.	100 max.
		300	300		100 max.	
			400, 500			
		350	450, 500	150 max.	150 max.	150 max.
Square shape	RMS	250	300	100 max.	75 max.	100 max.
		300	400		100 max.	150 max.

Table 2 Classification of height-adjusting parts

Unit : mm

Shape	Symbols	Nominal dimensions		Example of diameter of connecting pipes (informative)
		Diameter or side	Height	Branch pipe ⁽³⁾
Round shape	RAC	250	50, 100, 150	—
		300	50, 70, 100, 150, 200, 250	—
			300	75 max.
			400	100 max.
		350	100, 150	—
			300	75 max.
Square shape	RAS	250	50, 100, 150	—
		300	50, 100, 150, 200, 250	—

Note (3) Branch pipe shall be connected to the body at a minimum height of 300 mm.

Table 3 Classification of cover

Unit : mm

Existence of hole	Shape	Symbols	Nominal dimensions	Use ⁽⁴⁾
			Diameter or side	
Cover without hole	Round shape	RPC	250	Type I, type II
			300	
			350	
	Square shape	RPS	250	Type I, type II
			300	
Cover with hole	Round shape	RHC	250	Type I, type II
			300	
			350	
	Square shape	RHS	250	Type I, type II
			300	

Note (4) Type I means a non-mounting-vehicle type, and type II means a light-load type.

5 Performance

5.1 Chambers The performance of chambers shall be tested in accordance with clause 8 and conform to the requirements as shown in Table 4.