SJL SINGAPORE TEST LAB SJL SINGAPORE TEST LAB

TEST REPORT 2423383-LCH

Date 06 MAY 2024

Singapore Test Lab Pte Ltd, 10B Enterprise Road, Singapore 629828, Tel: +65 6353 6393, Fax: +65 6353 6395

SUBJECT:

Testing of “CC” Brand Pillar Hydrant submitted by Chong Cheong Foundry Works Pte Ltd

TESTED FOR:

Chong Cheong Foundry Works Pte Ltd
No. 2 Benoi Crescent
Singapore 629969

Attn: Mr Kelvin Teo

SAMPLE RECEIVED DATE:

02 May 2024

TEST DATE:

03 May 2024

METHOD OF TEST:

BS 750:2012 Specification for underground fire hydrants and surface box frames and covers

BS EN 1074-6:2008 - Valves for water supply. Fitness for purpose requirements and appropriate verification tests. Hydrants

BS EN 1092-2:1997 - Flanges and their joints. Circular flanges for pipes, valves, fittings and accessories, PN designated. Cast iron flanges

DESCRIPTION OF SAMPLE:

One set of "CC" brand 100mm (2 way) Pillar Hydrant was received. The descriptions are as follows:

Size	Embossed marking	Remarks
100mm	CC, BS 750,2005, 2024 100MM	Photo 1 and 2

ilac-MRA	Accredited Laboratory SAC-SINGLAS LA-2018-0695-G	The results reported herein have been performed in accordance with the laboratory's terms of accreditation under the Singapore Accreditation Council

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TEST RESULTS:

Table 1 - Resistance to internal pressure of the shell and of all pressure containing components

Sample Reference & Size	"CC" brand 100mm (2 way) Pillar Hydrant	BS EN 1074-6:2000 Requirements
Leak-tightness to internal pressure Test pressure 24 bar*	Passed	Clause 5.1.1

Note: "*" Test pressure 1.5 PMA (1.5 X PN16)

Table 2 - Dimensional measurements flange.

Sample Reference & Size	"CC" brand 100mm (2 way) Pillar Hydrant	BS EN 1092-2:1997 (PN 16) Table 9 & 13) Requirements
Outside diameter, D (mm)	220	220
Pitch circle diameter, K (mm)	180	180
Bolt hole diameter, L (mm)	19.9	19 +1.5, -0
Bolting number	8	8
Flange thickness, C_2 (mm)	22.9	19.0 +4, -3

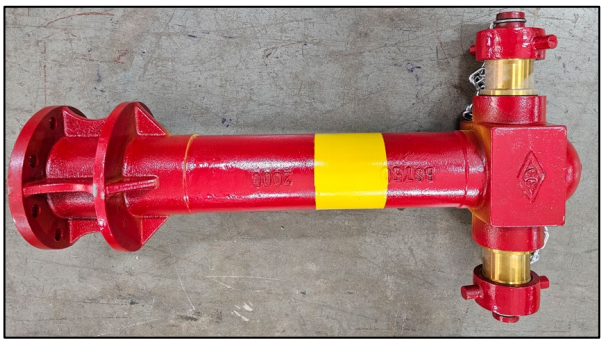


Photo 1 – Submitted sample (Front view)



Photo 2 – Submitted sample (back view)

Lim Chew Hong
Assistant Engineer

Ong Yeo Chuan
Manager

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