中国船级社
CHINA CLASSIFICATION SOCIETY

证书编号/Certificate No.
SH24PTB00277

型式认可证书
CERTIFICATE OF TYPE APPROVAL

兹证明本证书所述制造厂具备按照下列标准的要求生产本证书所列产品的能力和条件。
This is to certify that the manufacturer stated in the certificate meets the requirements of the standards listed below and is available with the ability and conditions to produce the products described in the certificate.

制造厂/Manufacturer

浩盾通风设备（上海）有限公司
Halton Ventilation (Shanghai) Co.,Ltd.

地址/Address

上海市浦东新区临港新城飞渡路55号7号厂房
Block 7, No.55 Feidu Road, Lingang New City, Pudong, Shanghai

产品名称/Product

挡火闸
Fire Damper

附加标志/Notations

无/Nil.

认可标准/Approval Standard

1. 1974年国际海上人命安全公约及其修正案第II-2章第3条和第9条
Regulations 3 and 9, Chapter II-2 of International Convention for the Safety of Life at Sea, 1974, as Amended
2. IMO 2010年FTP规则第3部分
IMO 2010 FTP Code Part 3

用于/Intended for

船舶/Ships

证书有效期至/This Certificate is valid until **2030年01月19日/ Jan. 19,2030**

发证机构 中国船级社上海分社
Issued by CCS Shanghai Branch

签发日期 2025年01月20日
Date Jan. 20,2025

本证书根据中国船级社规范和相关规定签发。所有证书页为一个整体，必须同时使用。纸质证书每页均须由本社盖章方为有效，电子证书含数字签名方为有效，本证书复印件无效。任何单位和个人均不应摘录或节选本证书的部分内容。有关方对所持证书的真实性有疑问时，可以向我社检验机构咨询。**本证书凡是未注明版本的规范，其（发证时）最新版本适用于本证书。**
This Certificate is issued pursuant to the Rules of the Society and related regulation. All pages of the certificate are taken as a whole and are used simultaneously. No paper certificate page is valid without bearing the stamp of the Society, no electronic certificates is valid without the digital signature, and no copied form of the certificate is regarded as valid. Any part of the certificate is not to be extracted or abridged by any unit or individual in any form. Related parties who are doubted about the authenticity of the certificate may inquire of the Society or its offices. **For Rules with no version indication, their latest version (at the time of issuance of the certificate) applies to the this certificate.**

产品明细/Product Description

挡火闸/Fire Damper(M0001)

名称/Name	属性（值）/Value	单位/Unit
型号/Type	见附页/See additional page	
规格/Specification	见附页/See additional page	
耐火等级/Fire Class	见附页/See additional page	
适用安装位置/Applicable Position of Installation	见附页/See additional page	

批准的图纸/Approved Drawings

图纸批准号/ Drawings Approval No.: SH15A00066, SH17A00399

产品认可试验报告/ Approval Test Report

试验报告编号/ Test Report No.： SH15T00022
试验报告日期/ Test Report Date： 2015-05-15
试验单位/ Laboratory: 浩盾通风设备（上海）有限公司 Halton Ventilation (Shanghai) Co., Ltd.
试验单位地址/ Test Address: 上海市浦东新区临港新城新元南路600号10号楼 Block 10, 600 South Xinyuan Road, Linggang New City, Pudong, Shanghai

试验报告编号/ Test Report No.： FT16365
试验报告日期/ Test Report Date： 2016-09-01
试验单位/ Laboratory: 远东防火试验中心 Far East Fire Testing Centre
试验单位地址/ Test Address: 上海化工区奉贤分区楚华支路511号 511 Chuhua Zhilu, Shanghai Chemical Industry Park Fengxian Sub-Zone, Shanghai

试验报告编号/ Test Report No.： FT16370
试验报告日期/ Test Report Date： 2016-09-12
试验单位/ Laboratory: 远东防火试验中心 Far East Fire Testing Centre
试验单位地址/ Test Address: 上海化工区奉贤分区楚华支路511号 511 Chuhua Zhilu, Shanghai Chemical Industry Park Fengxian Sub-Zone, Shanghai

试验报告编号/ Test Report No.： FT15190
试验报告日期/ Test Report Date： 2015-06-03
试验单位/ Laboratory: 远东防火试验中心 Far East Fire Testing Centre
试验单位地址/ Test Address: 上海化工区奉贤分区楚华支路511号（邮编：201417） 511 Chuhua Zhilu, Shanghai Chemical Industry Park Fengxian Sub-Zone, Shanghai (Postcode: 201417)

试验报告编号/ Test Report No.： FT16157
试验报告日期/ Test Report Date： 2016-05-03
试验单位/ Laboratory: 远东防火试验中心 Far East Fire Testing Centre
试验单位地址/ Test Address: 上海化工区奉贤分区楚华支路511号（邮编：201417） 511 Chuhua Zhilu, Shanghai Chemical Industry Park Fengxian Sub-Zone, Shanghai (Postcode: 201417)

试验报告编号/ Test Report No.： FT16259
试验报告日期/ Test Report Date： 2016-07-06
试验单位/ Laboratory: 远东防火试验中心 Far East Fire Testing Centre
试验单位地址/ Test Address: 上海化工区奉贤分区楚华支路511号（邮编：201417） 511 Chuhua Zhilu, Shanghai Chemical Industry Park Fengxian Sub-Zone, Shanghai (Postcode: 201417)

试验报告编号/ Test Report No.： FT15314, FT15315
试验报告日期/ Test Report Date： 2015-10-09
试验单位/ Laboratory: 远东防火试验中心 Far East Fire Testing Centre
试验单位地址/ Test Address: 上海化工区奉贤分区楚华支路511号（邮编：201417） 511 Chuhua Zhilu, Shanghai Chemical Industry Park Fengxian Sub-Zone, Shanghai (Postcode: 201417)

试验报告编号/ Test Report No.： FT15261, FT15262, FT15263
试验报告日期/ Test Report Date： 2015-08-19
试验单位/ Laboratory: 远东防火试验中心 Far East Fire Testing Centre
试验单位地址/ Test Address: 上海化工区奉贤分区楚华支路511号（邮编：201417） 511 Chuhua Zhilu, Shanghai Chemical Industry Park Fengxian Sub-Zone, Shanghai (Postcode: 201417)

试验报告编号/ Test Report No.： FT15194
试验报告日期/ Test Report Date： 2015-06-17
试验单位/ Laboratory: 远东防火试验中心 Far East Fire Testing Centre
试验单位地址/ Test Address: 上海化工区奉贤分区楚华支路511号（邮编：201417） 511 Chuhua Zhilu, Shanghai Chemical Industry Park Fengxian Sub-Zone, Shanghai (Postcode: 201417)

试验报告编号/ Test Report No.： FT16337
试验报告日期/ Test Report Date： 2016-08-08
试验单位/ Laboratory: 远东防火试验中心 Far East Fire Testing Centre
试验单位地址/ Test Address: 上海化工区奉贤分区楚华支路511号 511 Chuhua Zhilu, Shanghai Chemical Industry Park Fengxian Sub-Zone, Shanghai

试验报告编号/ Test Report No.： FT16293
试验报告日期/ Test Report Date： 2016-07-21
试验单位/ Laboratory: 远东防火试验中心 Far East Fire Testing Centre
试验单位地址/ Test Address: 上海化工区奉贤分区楚华支路511号 511 Chuhua Zhilu, Shanghai Chemical Industry Park Fengxian Sub-Zone, Shanghai

试验报告编号/ Test Report No.： S733-YW-2016, S733-ZD-2016, S733-QY-2016, S733-CJ-2016
试验报告日期/ Test Report Date： 2017-01-16
试验单位/ Laboratory: 中国船舶重工集团公司第七0四研究所船舶环境工程与可靠性实验室 The Marine Environment Engineering and Reliability Laboratory of Number 704 Research Institute of China Shipbuilding Industry Corporation
试验单位地址/ Test Address: 上海市衡山路10号 10 Hengshan Road, Shanghai

试验报告编号/ Test Report No.： FT18058, FT18059
试验报告日期/ Test Report Date： 2018-03-26
试验单位/ Laboratory: 远东防火试验中心 Far East Fire Testing Centre
试验单位地址/ Test Address: 上海化工区奉贤分区楚华支路511号 511 Chuhua Zhilu, Shanghai Chemical Industry Park Fengxian Sub-Zone, Shanghai

试验报告编号/ Test Report No.： FT16360
试验报告日期/ Test Report Date： 2016-08-17
试验单位/ Laboratory: 远东防火试验中心 Far East Fire Testing Centre
试验单位地址/ Test Address: 上海化工区奉贤分区楚华支路511号 511 Chuhua Zhilu, Shanghai Chemical Industry Park Fengxian Sub-Zone, Shanghai

试验报告编号/ Test Report No.： FDB2-S-FTS
试验报告日期/ Test Report Date： 2017-10-27
试验单位/ Laboratory: 浩盾通风设备（上海）有限公司 Halton Ventilation (Shanghai) Co., Ltd.
试验单位地址/ Test Address: 上海市浦东新区临港新城新元南路600号10号楼 Block 10, 600 South Xinyuan Road, Linggang New City, Pudong, Shanghai

认可后的产品检验方式/ Method of Product Inspection after Approval

按规范认可后应进行产品检验的产品/The product should be inspected in term of the rules：
认可后的产品检验应由本社验船师根据本社规范规定按批准的产品检验计划进行检验，经检验合格后由本社颁发船用产品证书。
After approval, product inspection should be carried out by the Surveyor of the Society in accordance with the approved product inspection scheme, and the Marine Product Certificate will be issued by the Society upon satisfactory inspection.

认可保持条件/ Maintenance Requirements of Approval

1.型式认可后，如果产品及其重要零部件的设计、所用材料或制造方法有所改变，且影响到产品的主要特性、特征；或产品的性能指标有所更改，且超过认可的范围，则有关图纸和文件应经检验机构审批。并在检验机构认为必要时，经本社检验人员见证有关试验和进行检查，其结果应能证实仍符合认可条件。
After type approval, if there are changes to the design, materials used or manufacturing method of the product and important components and such changes affect major characteristics and properties of the product, or property indexes of the product are changed and exceed the scope of approval, related drawings and documents are to be examined and approved by the concerned survey office. Where deemed necessary by the survey office, the surveyor to the Society will go to witness relevant tests and conduct inspection and the results should be able to demonstrate compliance with the approval conditions.
2.工厂的质量管理体系应保持有效运行，并且与认可时一致。如果质量管理体系发生改变，应经原体系认证机构审核并报本社批准。
The quality management system of the factory shall be ensure effective operation, and shall be the

same as the situation of approval. If there are any changes to the quality management system, auditing of the original certification organization for quality management system and the society's approval shall be obtained.
3.认可证书有效期内，如果出现可能导致本社取消认可的情况，工厂应及时采取有效的纠正措施。
Within the validity of the approval certificate, if cases occur that may cause the Society to withdraw the approval, the manufacturer should take corrective actions in a prompt and effective manner.
4.在认可证书有效期内，本社检验人员可在未经事先通知的情况下对工厂的产品制造过程进行审核，以验证产品的生产是否符合业经本社批准的图纸和文件。工厂应予以配合。
Within the validity of the approval certificate, the surveyor to the Society may pay unannounced audit to the manufacturing process of the product in order to confirm whether it is in compliance with the drawings and documents approved by the Society. The factory should provide an active cooperation and necessary for the surveyor.

备注/Remarks

本证书由原型式认可证书（No. SH23PTB00055）换新并替代原证书。
This certificate is renewed from and supersedes the previous Type Approval Certificate No. SH23PTB00055.
本社已审核了产品厂无石棉声明，但本社的审核不免除产品厂按照合同关系向订货方保证产品无石棉的责任。
The declaration of asbestos-free submitted by manufacturer has been reviewed by the Society. However, liability of the manufacturer to guarantee the products are asbestos-free to purchaser under contract will not be exempted.
产品应按照认可试验时的安装位置（舱壁或甲板）进行安装；当结构和隔热材料安装相同时，耐火等级高的产品可用于耐火等级低的产品。
The product shall be installed on board according to the installation position (bulkhead or deck) of approval test; product of high fire class can be used for product of low fire class when the type of construction and installation of insulation materials are the same.
挡火闸围板或套管通过焊接与钢舱壁或钢甲板连接。
The coamings or spigots of fire dampers shall be welded into the steel bulkheads or steel decks.
挡火闸（含执行器）及围板或套管的外表面的隔热材料敷设应符合耐火试验时的规定。
The installation of insulation materials of external surface of fire dampers (including actuators) and the coamings or spigots shall be according to the provisions of fire test.
执行器类型：手动、气动、电动
Type of actuators: manual, pneumatic, electric

中国船级社上海分社
CCS Shanghai Branch

注：本证书含有附页，共1页
Note: The certificate is attached with additional 1 page(s)

产品明细

Product Description

产品名称 Product Name	**产品型号** Type	**规格** Specification (mm)	**图纸批准号** Drawings approval No.	**耐火等级** Fire class	**叶片厚度** Thickness of blade (mm)	**适用安装位置** Applicable position of installation	**试验报告编号、日期** Test report No., date
挡火闸 Fire Damper	FDB2-E	100×100～1200×1600	SH15A00066	A-60	20	舱壁/甲板 Bulkhead/Deck	FT15190，2015-06-03 FT15194，2015-06-17 FT16259，2016-07-06
挡火闸 Fire Damper	FDB2-P	100×100～1200×1600	SH15A00066	A-60	20	舱壁/甲板 Bulkhead/Deck	FT15261，2015-08-19 FT16157，2016-05-03 FT16293，2016-07-21
挡火闸 Fire Damper	FDB2-E-D	1250×1600～2000×1900	SH15A00066	A-60	20	舱壁/甲板 Bulkhead/Deck	FT15315，2015-10-09 FT15262，2015-08-19 FT16360，2016-08-17 FT16365，2016-09-01
挡火闸 Fire Damper	FDB2-P-D	1250×1600～2000×1900	SH15A00066	A-60	20	舱壁/甲板 Bulkhead/Deck	FT15263，2015-08-19 FT15314，2015-10-09 FT16337，2016-08-08 FT16370，2016-09-12
挡火闸 Fire Damper	FDB2-S	100×100～1200×1600	SH17A00399	A-60	20	舱壁/甲板 Bulkhead/Deck	FT18058，2018-03-26 FT18059，2018-03-26

*****本证书附页完/End of additional page of this certificate*****

中国船级社上海分社
CCS Shanghai Branch