Certificate

Certificate of Conformity with Fire Testing
Acc. to API STANDARD 6FA: FIFTH EDITION, MAY 2020

Certificate no.: **01 202 CHN/K-260425**

Name and address of the applicant / license holder: **Chongqing Chuanyi Control Valve Co., Ltd.**
No. 879 Caihe Road, Caijiagang Town, Beibei District, Chongqing, P.R. China 400707

We hereby certify that the results of fire testing carried out under our inspection on the below industrial valve meet the requirements in the standard mentioned above.

This certificate does not imply assessment of the product production. It reflects only our inspection for tested valve described herein at the time and the place of test, and does not refer to any other matters.
Detailed valve technical data and manufacturer's information, refer to appendix and test report.

Name and address of the manufacturer: **Chongqing Chuanyi Control Valve Co., Ltd.**
No. 879 Caihe Road, Caijiagang Town, Beibei District, Chongqing, P.R. China 400707

Model /Type of valve: HCP DN150 Class600 Control Valve

Description of tested valve: Control Valve, DN150, Class 600, A217 WC9
Refer to Appendix 1 to this certificate

General drawing number: HFA6-150-000%/CV360

Test report No.: 2025FM1341

Additional Qualification of other valves, covered by the valves tested
(The range of qualification is according to Para.5, API 6FA Fifth Edition, May 2020)

Class Qualified for:	Class 600; 900	API 6D
Size NPS Qualified for:	DN150; DN200; DN250; DN300	API 6D
Materials (construction) Qualified for:	Acc. to Para 5.4 and 5.5 of API 6FA	

Place: Shanghai

Date: 20 May, 2026

Owen Wu
Technical Manager
TÜV Rheinland (Shanghai) Co., Ltd.
Industrial Services & Cybersecurity Greater China

TÜV Rheinland (Shanghai) Co.,Ltd.
TÜV Rheinland Building,No. 177, Lane 777, West Guangzhong Road,
Jing'an District, Shanghai, P. R. China 200072, Tel.:021-61081188

www.tuv.com

TÜVRheinland®
Precisely Right.

10/201 10.17 E A4 ® TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval.

Appendix 1 | Certificate No. **01 202 CHN/K-260425** | Our Reference Order No. 326143980-2

Constructional Data Form (CDF)

1.1 License holder: (full name and address)
Chongqing Chuanyi Control Valve Co., Ltd.
No. 879 Caihe Road, Caijiagang Town, Beibei District, Chongqing, P.R. China 400707

1.2 Manufacturer: (full name and address)
Chongqing Chuanyi Control Valve Co., Ltd.
No. 879 Caihe Road, Caijiagang Town, Beibei District, Chongqing, P.R. China 400707

1.3 Product Identification: DN150, Class 600, A217 WC9 ; S/N: NM202511200003

1.4 Type Designation: HCP DN150 Class600 Control Valve

2.	Technical data :	Nominal Size	Remark
		DN 150	---
(a)	Class/ANSI Class	Class 600	Nominal Pressure
(b)	Body	A217 WC9	Material
	Bonnet	A217 WC9	Material
	Seat	A312 TP316+ST6	Material
	Plug	A182 F316	Material
	Metal spiral wound gasket	316L+T2200	Material
	Stud bolt	A193-B7	Material
	Hex nut	A194-2H	Material
	Packing	T2200	Material
	Packing Gland	A479 316L	Material
	Stem	A479 316	Material
(c)	General Drawing No.	HFA6-150-000%/CV360	Assembly Dwg.
(d)	Test Report	2025FM1341	Attached/Report
(e)	Test Location	Hefei General Machinery & Electrical Products Inspection Institute	

Additional Qualification of other valves, covered by the valves tested
(The range of qualification is according to Para.5, API 6FA Fifth Edition, May 2020)

Class Qualified for: Class 600; 900 API 6D
Size NPS Qualified for: DN150; DN200; DN250; DN300 API 6D
Materials (construction) Qualified for: Acc. to Para 5.4 and 5.5 of API 6FA

Walker Wan Walker Wan
Project Manager
Date: 20 May, 2026

Place: Shanghai

Owen Wu
Technical Manager

Date: 20 May, 2026

TÜV Rheinland (Shanghai) Co., Ltd.
Industrial Services & Cybersecurity Greater China

10/201 10.17 E A4 ® TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval.

检 测 报 告

Test Report

产 品 名 称：调节阀（阀门本体）

Product:

委 托 单 位：重庆川仪调节阀有限公司

Client:

生 产 单 位：重庆川仪调节阀有限公司

Manufacturer:

检 测 类 别：委托检测

Classification of Test:

合肥通用机电产品检测院有限公司

Hefei General Machinery & Electrical Products Inspection Institute Co., Ltd.

国家泵阀产品质量检验检测中心

National Quality Inspection Center of Pump and Valve Products

合肥通用机电产品检测院有限公司

Hefei General Machinery & Electrical Products Inspection Institute Co., Ltd.

国家泵阀产品质量检验检测中心

National Quality Inspection Center of Pump and Valve Products

检 测 报 告

Test Report

报告编号：2025FM1341

产品名称 Product	调节阀（阀门本体）			型号规格 Model	HCP DN150 Class600
				商标 Trademark	/
委托单位 Client	重庆川仪调节阀有限公司			检测类别 Classification of Test	委托检测
生产单位 Manufacturer	重庆川仪调节阀有限公司			样品等级 Grade of Sample	/
生产单位地址 Address	重庆市北碚区蔡家岗镇蔡和路 879 号			抽样日期 Sampling Date	/
抽样地点 Sampling Location	/			到样日期 Reaching Date	2025 年 12 月 20 日
样品数量 Quantity of Samples	1 台	抽样基数 Base Number of Sampling	/	抽样者 Sampling Person	/
原样品编号 Serial Number of Original Sample	/			样品编号 Sample Number	2025 阀字 2306
检测依据 Test Basis	API 6FA-2020《阀门耐火试验标准》。				
检测项目 Test Items	耐火试验。				
检测结论 Test Conclusion	经检测，所检项目的检测结果符合 API 6FA-2020 标准的要求。 测试数据见检测结果（附表）。 签发日期： 2026年01月04日 Date of Issue:				
备注 Remarks	/				

批准： Approver: 冯玉林 审核： Reviewer: 李伟 主检： Chief Inspector: 陈春阳

样品外观照片：

Photo of the Sample:



检测结果（附表） 检测日期：2025 年 12 月 20 日

Test Results Date of Test:

序号 No.	检测项目 Test Item	技术要求 Technical Requirements	检测数据 Test Data	评价 Evaluation
1	耐火试验	高压试验泄漏要求： 阀门进口端水压力 7.5MPa ±0.75MPa，火烧持续时间 30.0min。从火烧开始到阀门冷却到 100℃以下时，阀门外泄漏率应≤100mL/in./min。	从火烧开始到阀门冷却到 100℃以下，阀门外泄漏率：2.2mL/in./min。	合格
		操作试验泄漏要求： 阀门整体水压力 7.5MPa ±0.75MPa，持续 5min 后，进行 5min 的阀门外泄漏试验， 试验结果要求： 阀门外泄漏率应≤200mL/in./min。	阀门外泄漏率： 1.1mL/in./min。	

备注：

Remarks：

1、该阀密封副类型为金属/金属，压力级为 Class600，公称尺寸 150mm。

检测结果（附表） 检测日期：2025 年 12 月 20 日

Test Results Date of Test:

试验操作情况说明：

一、高压试验

1、热电偶和测温块

阀门处于关闭状态且水平安装，在阀门外共布置了 2 个测量火焰温度的热电偶和 2 个测温块。阀门的下侧和侧面两处各布置 1 个热电偶和 1 个测温块。

2、热电偶温度

点火后，阀门下侧处火焰热电偶在火烧 2 分钟时温度达到 804.0℃；阀门侧面处火焰热电偶在火烧 2 分钟时温度达到 821.3℃。

在火烧剩余期间，阀门下侧处火焰热电偶的温度保持在 805.0℃～907.2℃之间；阀门侧面处火焰热电偶的温度保持在 822.5℃～913.0℃之间。

3、测温块温度

点火后，阀门下侧处测温块的温度在 13.00 分钟时升至 650℃以上；阀门侧面处测温块的温度 15.0 分钟时升至 650℃以上。

4、试验期间水压力

阀门进口端水压力保持在 7.37MPa～7.88MPa，无瞬时压力损失。

5、冷却

喷水强制冷却，在火烧结束后 5 分钟，阀门表面温度降到 100℃以下。

二、操作试验

试验阀门体腔内注水排空空气、水蒸汽，利用辅助操作机构启闭操作试验阀门，在阀门内 7.5MPa 压力下，先关闭阀门再开启阀门，保持试验阀内压力 7.5MPa，5 分钟后检测试验阀门的外部泄漏。

注 意 事 项

DECLARATION

1、报告无本机构检验检测专用章或单位公章无效。

The report is invalid in case of no special seal for inspection report or no official seal of GMPI.

2、报告无主检、审核、批准人签章无效。

The report is invalid in case of no signatures of chief inspector, reviewer and approver.

3、报告涂改无效。

The report is invalid in case of sign of erasure.

4、对报告若有异议，请于收到报告之日起十五日内向本机构提出。

If any objections to the report occur, please submit to GMPI within 15 days upon receipt of this report.

5、一般情况，委托检测仅对来样负责。

Generally, commission test is responsible for the tested samples only.

6、未经本机构书面同意不得部分地复制本报告。

This report shall not be duplicated without prior written approval of GMPI.

合肥通用机电产品检测院有限公司

Hefei General Machinery & Electrical Products Inspection Institute Co.,Ltd.

国家压缩机制冷设备质量检验检测中心 National Quality Inspection Center of Compressor and Refrigerator Products	国家认监委 CCC 指定检验机构 The Designated CCC Inspection Organ of Certification and Accreditation Administration of the P. R. of China
国家泵阀产品质量检验检测中心 National Quality Inspection Center of Pump and Valve Products	中国合格评定国家认可委认可实验室 Laboratory Authorized by China National Accreditation Service for Conformity Assessment(CNAS)
国家密封件产品质量检验检测中心 National Quality Inspection Center of Seals	国家特种设备鉴定评审机构和型式试验机构 Appraisal and Inspection Organ of the State Special Equipment
中国质量认证中心检验实验室 Inspection Laboratory for CQC	国家工商局等五部委仲裁检验机构 Arbitration Inspection Organ of the State for Industry & Commerce
国家船检局通用机械产品验证试验中心 Verification Test Center on Marine General Machinery Products of the State Ships Inspection Bureau	全国许可证办公室压缩机、制冷设备审查部 National Office for Licenses Compressor and Refrigerating Equipment Audit Body
中国节能产品检验实验室 China certification inspection laboratory for Energy-Saving Products	IECEE 体系 CB 测试实验室 CB Testing Laboratory

合肥通用机电产品检测院有限公司

Hefei General Machinery & Electrical Products Inspection Institute Co.,Ltd.

地址：安徽省合肥市长江西路 888 号

Address：No.888, Changjiang West Road, Hefei, Anhui, P.R. China

电话：（0551）65335599，65335577，65335566 传真：（0551）65325105

Phone:（0551）65335599，65335577，65335566 Fax: (0551) 65325105

邮编：230031 PC:230031

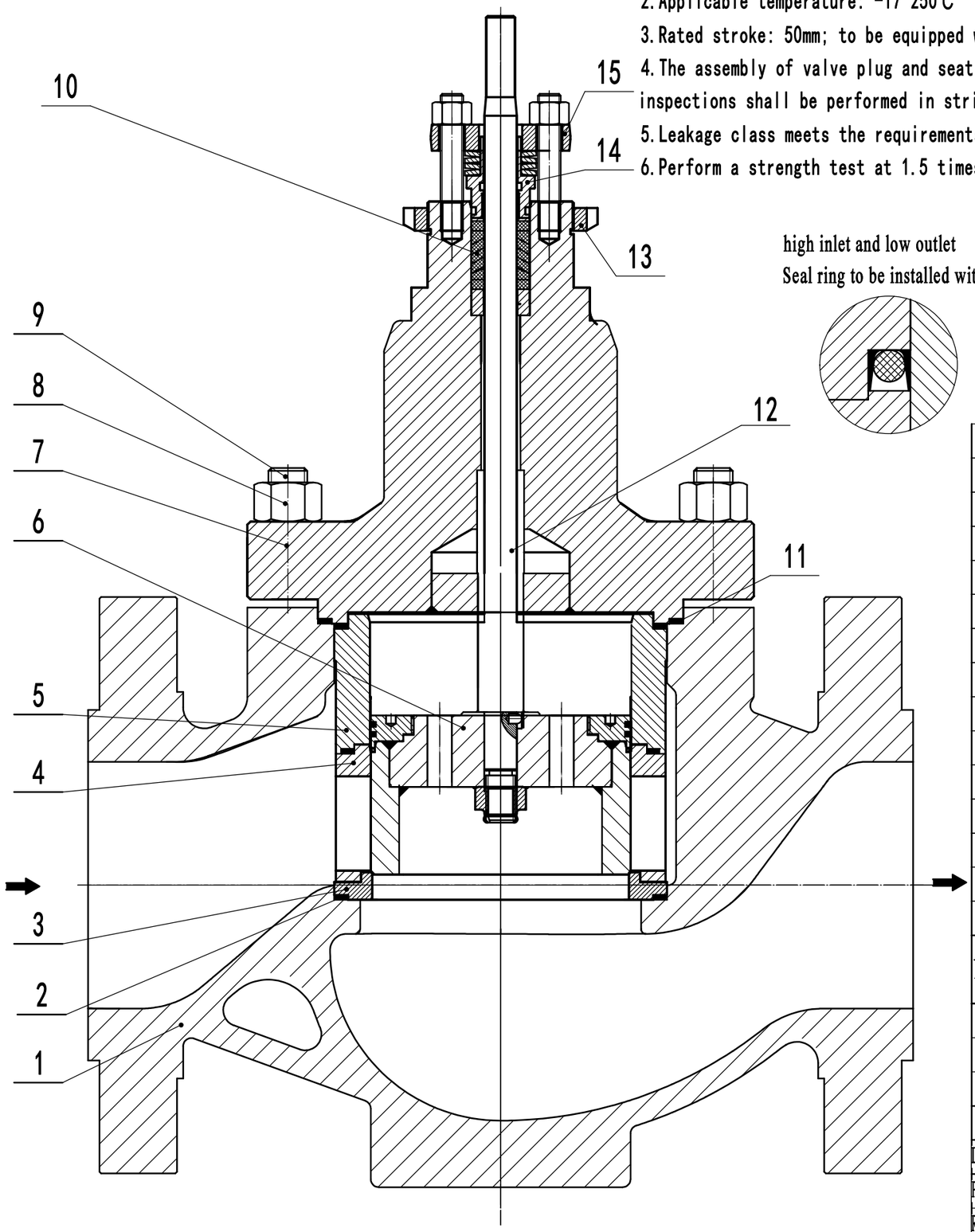
网址：http://www.gmpi.org.cn 邮箱：jiance5599@gmpi.org.cn、jiance5599@163.com

Website：http://www.gmpi.org.cn E-mail： jiance5599@gmpi.org.cn、jiance5599@163.com

HFA6-150-000%/CV360

Technical Requirements

1. Nominal pressure: Class 600
2. Applicable temperature: -17~250℃
3. Rated stroke: 50mm; to be equipped with HA3/HA4 actuator
4. The assembly of valve plug and seat must be strictly carried out in accordance with the assembly process. After completion, various inspections shall be performed in strict compliance with the applicable standards.
5. Leakage class meets the requirements of Grade IV per GB/T 4213-2008.
6. Perform a strength test at 1.5 times the nominal pressure. No leakage is permitted.



high inlet and low outlet
Seal ring to be installed with its opening facing downward

NO.	Code	Description	Qty.	Material	Unit Weight	Total Weight	Note
15	H6A101011-003	Gland Flange	1	A351 CF8			
14	H6A101012-003	Gland	1	A479 316L			
13	H6A101024-002	Pinch nut	1	A351 CF8			
12	HFA306222-001	Stem	1	A479 316			
11	209×224.5×4	Serrated combination gasket	1	316L+T2200			
10	PA-B20x36	Filler components	1	T2200			
9	ASME B18.31.1M	Stud bolt	12	A193-B7			M24x110
8	GB/T 6175	Hex nut	12	A194-2H			M24
7	HFA606500-001	Bonnet	1	A217 WC9			
6	HFA306200-003	Plug	1	A182 F316			
5	HFA306010-001	Guide	1	A312 TP316+Ni40			
4	HFA306006-002	Sleeve	1	A312 TP316			
3	HFA106004-001	Valve seat	1	A312 TP316+ST6			
2	CR188x205x3.2	Metal spiral wound gasket	2	316L+T2200			
1	H6A606001-001	Body	1	A217 WC9			

Mark	PCS	Separate areas	Rev.No	Signature	Date
Designed by	Yong Jiahui	20250925	Standardized by	Tang Lumei	20250925
Proofread by	Yin Mingyang	20250925			
Reviewed by	Zhou Zhongyun	20250925			
Process	Li Li	20250925	Approved by	Hao Jiaoshan	20250925

Phase marker	Weight	Scale
		1:3
Total pages	Page	

Chongqing Chuanyi Control Valve Co.,Ltd.

HCP DN150 Class600

HFA6-150-000%/CV360

Registration of borrowed (general) items
ori. drawing No.
Base map No.
Signature
Date
Archivist / Date