



THIRD-PARTY NDE / NDT QUALITY EVIDENCE

Ultrasonic Examination (UT) Report - Public Redacted Copy

This PDF is a public website copy of an actual third-party ultrasonic examination report for valve components. The original technical content, examination method, test conditions, photos, acceptance result and third-party laboratory identity are retained.

For confidentiality and privacy, the following information is mosaicked:
Customer identity, contract number, report numbers, and handwritten personnel signatures.

Technical evidence retained from the source report includes:

- Product: DBB ball valve / valve body and bonnet
- Examination: direct-contact longitudinal-wave UT / straight-beam scanning
- Test basis shown in source: ASME Section V, Article 23 (ASTM A388)
- Acceptance basis shown in source: ASME B16.34 Appendix IV
- Instrument shown in source: HS600; coupling medium: oil
- Examination stage shown in source: after machining
- Representative result shown in source: Accept

PUBLICATION NOTE

This redacted copy is published as manufacturing and quality-control evidence.
It does not replace the original controlled inspection report for any shipment, PO, or project.
Unredacted controlled records are supplied only when applicable to the relevant order or audit.

报告编号:
Report No.:

REDACTED

超声检测报告

Ultrasonic Examination Report

委托单位:
Customer:

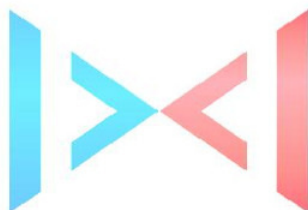
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产品名称:
Product Name:

阀门
Valve

报告日期:
Report Date:

2025.04.02



编制:
Editor:

REDACTED

日期: 2025.04.02
Date:

审核:
Checker:

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日期: 2025.04.02
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批准:
Approver:

REDACTED

日期: 2025.04.02
Date:

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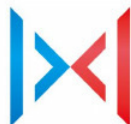
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超声波检测报告

Ultrasonic Examination Report

报告编号 Report No.

REDACTED

Page 1 of 2

委托单位 Customer	REDACTED				
合同号 Contract No.	REDACTED	订单号 Order No.	/	项目号 Item No.	/
产品名称 Product Name	DBB 球阀 Ball valve	产品型号 Description	1"-1500LB	部件名称 Part Name	体盖 Body/Bonnet
材料 Material	A350 LF2 CL1	部件编号 Code No.	UT9#	炉号 Heat No.	/
产品类型 Product from	锻造 Forging	探伤时机 FAB Stage	机加工后 After machining	表面状态 Surface	外观合格 OK
检验比例 Ratio of test	10%	工件厚度 Thickness	18-37mm	数量 Quantity	1 sets
工艺规程号 Proc No. /Rev.	Q/HX -0111- (2020)/0	检测标准 Test STD	ASMEV 第 23 章 (ASTM A388)	验收标准 Accept STD	ASME B16.34 附录 IV
1. 检验条件 Test Condition					
仪器型号 Instrument	HS600	耦合剂 Couplant	机油 Oil	扫查速度 Speed	≤150 mm/s
基准波高 Norm amplitude	80%	扫查类型 Scan type	纵波直接接触法 Direct contact longitudinal wave		
直射波扫查法 Straight beam Scanning					
探头型号 Probe type	试块型号 Test Block	参考反射体 Reflector	表面补偿 Compensation	反射体深度 Reflector depth	校验灵敏度 Calibration
2.5P14Z	Φ60*100mm	Φ2 平底孔	4dB	100mm	Φ2+4dB
/	/	/	/	/	/
斜射波扫查法 Angle beam Scanning					
探头型号 Probe type	/	入射角度 Incident angle	/	表面补偿 Compensation	/
探测方向 Test direction	/	扫查方式 Scan-method	/	试块 Test piece	/
校验灵敏度 Calibration	/	反射体 Reflector	/		
2. 检测部位示意图 (单位: mm) : Sketch of Examined Area (unit: mm)					
操作者(级别) Operator	REDACTED	日期 Date	2025.04.02	审核(级别) Reviewer	REDACTED
客户 SIA		日期 Date		检测签章 NDE Signature	

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