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|  | PP Project | |  |
| | Inspection and Test Plan | | |
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Inspection and Test Plan

Purchaser Requisition No.:
AM-70-00-BD-IN-SPC-0001-01
AM-70-00-BD-IN-SPC-0015-02

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| 1 | 15.Feb.2024 | Issued For Approval | A.E. | M.B. | G.P |
| 0 | 21.Dec.2023 | Issued For Approval | A.E. | M.B. | G.P |
| Rev. | Issue Date | DESCRIPTION | PREPARED | CHECKED | APPROVED |

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|  | PP Project | |  |
| | Inspection and Test Plan | | |
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INSPECTION & TEST PLAN

VZ3026-ITP Rev.1
14/02/2024

Customer : Delta Gmbh
Project : BOC
PO : DELTA-KG -2023-PO-178
Job : VZ3026

H = HOLD POINT (activity may not carried out without Client's attendance)
W = WITNESS (notice to client: in case of waive or no reply, work will continue)
SW = SPOT WITNESS (notice to client: in case of waive or no reply, work will continue)
R = REVIEW (review at the final documentation stage)

MAIN VALVE COMPONENTS
(X = identif. Operation)

INVOLVED PARTIES

NOTE

| POS. | ACTIVITY DESCRIPTION | APPLICABLE DOCUMENTS | ACCEPTANCE CRITERIA | MAIN VALVE COMPONENTS | | | | | | | INVOLVED PARTIES | | | | NOTE | |
|------|--|--|--|-----------------------|----------------|--------------------|------|------|---|----------------|------------------|------------|---|---|------|--|
| | | | | BODY | BONNET/CLOSURE | PLUG / BALL / DISC | SEAT | STEM | - | VALVE ASSEMBLY | KG | Delta Gmbh | - | - | | |
| 1 | Pre Inspection Meeting | PO/PR & Project specifications | PO/PR & Project specifications | | | | | | | | | H | H | | | |
| 2 | Chemical Analysis | ASTM / Vendor purchasing spec. | ASTM / Vendor purchasing spec. | x | x | x | x | x | | | | R | R | | | |
| 3 | Mechanical Tests | ASTM / Vendor purchasing spec. | ASTM / Vendor purchasing spec. | x | x | x | x | x | | | | R | R | | | |
| 4 | MT examination on raw CS castings | Approved MT procedure ASME V Ed. 2017, art. 7 | Approved MT procedure ASME B16.34 Ed.2017 App. II | x | x | x | x | x | | | | R | R | | | |
| 5 | VT examination on machined parts | Approved VT procedure ASME V Ed. 2017, art. 9 MSS SP-55 | Approved VT procedure MSS SP-55 / ASME V Ed. 2017, art. 10 On weld overlay: no visible defects | x | x | x | x | x | | | | H | R | | | |
| 6 | Hydrostatic body/packing pressure test | Approved Test procedure | ANSI/ISA 75.19.01 Ed. 2013 / IEC 60534-4 2006 Edition 3rd | | | | | | | x | | H | R | | | |
| 7 | Seat leakage test | Approved Test procedure | ANSI/FCI 70-2-2013 / IEC 60534-4 2006 Edition 3rd | | | | | | | x | | H | R | | | |
| 8 | Painting | Approved Painting procedure | Approved Painting procedure | | | | | | | x | | R | R | | | |
| 9 | Marking / Tagging | PO/PR & Project specifications Approved drawings | PO/PR & Project specifications Approved drawings | | | | | | | x | | H | R | | | |
| 10 | Pneumatic Actuator leakage test | Approved Test procedure IEC 60534-4 2006 Edition 3rd | Valve datasheet IEC 60534-4 2006 Edition 3rd | | | | | | | x | | H | W | | | |
| 11 | Functional test | Approved Test procedure IEC 60534-4 2006 Edition 3rd | Valve datasheet IEC 60534-4 2006 Edition 3rd | | | | | | | x | | H | W | | | |
| 12 | Certificates check | PO/PR & Project specifications | PO/PR & Project specifications | | | | | | | x | | H | R | | | |
| 13 | Visual and dimensional check on assembled valves | Approved drawings | Approved drawings | | | | | | | x | | H | R | | | |
| 14 | Packing / Marking | Approved Packing, Marking, Shipping and Preservation Procedure | Approved Packing, Marking, Shipping and Preservation Procedure | | | | | | | x | | H | R | | | |
| 15 | Final Data Book | PO/PR & Project specifications | PO/PR & Project specifications | | | | | | | x | | H | R | | | |

Note: