

TEST REPORT - 2.2

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A) Material tests

B) Inspection tests

Valve description: BOA-H Globe valve
Type: **BOA-H DN 15 - 300 PN 16**

| | | | |
|-----------|-------|---|---------------|
| Materials | Body: | EN-GJL 250 (5.1301) (JL1040 / GG25)* | EN 1561 |
| | Cap: | EN-GJL 250 (5.1301) (JL1040 / GG25)* | EN 1561 |
| | | | * old marking |

On the basis of continuous shop recordings we certify the results are based on EN 10204 as mentioned below:
Mean values of the statistic evaluation of test records of the material suppliers.
The material was subject to a heat treatment.

A) Material tests:

Mean values of the statistic evaluation of test records of the material suppliers.

Chemical composition % in weight:

| | C | Si | Mn | P | S | MG |
|------------|------|------|------|-------|-------|----|
| EN-GJL 250 | 3,37 | 2,17 | 0,68 | 0,083 | 0,084 | - |

Mechanical-technological values at ambient temperature:

| | Tensile Strength | 0,2% - Proportional Elongation | Percentage Elongation after Fracture | Impact Energy | Hardness |
|------------|-------------------------|--------------------------------|--------------------------------------|---------------|------------|
| | Rm (N/mm ²) | Rp0,2(N/mm ²) | A5 (%) | AV(ISO-V) J | Brinell HB |
| EN-GJL 250 | 269 | - | - | - | 210 |

B) Inspection tests of valves:

| | | | |
|----------------|----------------|----------------------|----------|
| Pressure test | EN 12266-1/P10 | Test pressure (bar): | 1,5 x PN |
| Leak test | EN 12266-1/P11 | Test medium: | Water |
| Seat leak test | EN 12266-1/P12 | Test pressure (bar): | 1,1 x PN |
| | | Test medium: | Water |

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