

TEST REPORT - 2.2

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A) Material tests

B) Inspection tests

Type: BOA-Compact (BOA-C)
 BOA-SuperCompact (BOA-CS)
 BOA-Compact EKB (BOA-C EKB)
 BOA-W
 BOA-Control
 BOA-Control IMS

DN: 15 - 200
 PN: 6 / 10 / 16

Materials Casing: EN-GJL 250 (5.1301) EN 1561
 (JL1040 / GG25)*
 Cover: EN-GJL 250 (5.1301) EN 1561
 (JL1040 / GG25)*
 * 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 tightness EN 12266-1/P12 Test pressure (bar): 1,1 x PN
 Test medium: Water

KSB SE & Co. KGaA
 Operative quality assurance plant 1110

Name: Mike Baer