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|--|-------------|--|-------------|---|---------------|-------------|-------|----|----|----|--------|----|----|----|--------|----|----|---|---|----|----|----|-------|--|--|--|--|---|--|---------------|-------------|---------------------------------|---------|---------|---------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|--|-------|-------|-------|-------|-------|--------|--------|-------|-------|--|--|--------|-------|-------|-------|-------|-------|-------|-------|--|--|-------|--|--|--|--|--------|--------|-------|-------|--|--|--|-------|-------|-------|-------|-------|--------|-------|--------|--------|-------|-------|--|--|--------|-------|-------|-------|-------|-------|--------|-------|-------|--|-------|--|--|--|--|--------|--------|-------|-------|--|--|--------|-------|-------|-------|-------|-------|-------|-------|-------|--|-------|-------|-------|-------|-------|--------|--------|-------|-------|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|--|-------|-------|-------|--|--|--------|--------|-------|-------|-----|-----|-------|--|--|--|--|--|--|--------|---|--|
| <div>HEAD OFFICE AND PLANT Via G. Mazzini, 6 24060 S. Paolo D'Argon (BG) - ITALY Tel +39 035 4255211 - Fax +39 035 959210 Internet: www.af.it - E-mail: info@af.it</div> | | INSPECTION CERTIFICATE according to <input checked="" type="checkbox"/> UNI EN 10204 - 3.1 B <input type="checkbox"/> | | CERTIFICATE N° C 040791-005/01 Page No. 001 / 001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORCED STEEL VALVES Cod. Fisc. e P.IVA 03076750169 - Cap. Soc. € 8.000.000,00 i.v. Registro Imprese BG 03076750169 - R.E.A. 347477 VAT Registration Number: IT 03076750169 Soggetta all'aliquota di esenzione e coordinamento da parte della società ALLBEL srl Reg. Imp. BG n° 0280320169 | | TEST PROCEDURE & SPECIFICATION <input checked="" type="checkbox"/> API 598 <input checked="" type="checkbox"/> ANSI/ASME B 16.34 <input type="checkbox"/> <input checked="" type="checkbox"/> MSS SP.61 <input checked="" type="checkbox"/> BS 6755 <input type="checkbox"/> <input checked="" type="checkbox"/> DIN 3230 T.3 <input type="checkbox"/> | | CUSTOMER STIEKMANN ECONOSTO GMBH & CO. KG FREIGRAFENWEG 2 D-44357 DORTMUND () | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OUR JOB N° 040791 | | POSITION 005 | | YOUR P.O. N° | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90021150P/STOCK-DIN-GLOBE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ITEM 5 | | Q.TY 300 | | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESCRIPTION GLOBE VALVE OS#Y BB FB FL DIN DN25 " C22.8/1.4006"/INT+13Cr PN40 FORM B1 4B SK 215 FORM B1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TAG DAVR418001E001 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEST PRESSURES <input checked="" type="checkbox"/> BAR <input type="checkbox"/> PSI | | TEST RESULT TEST HYDROSTATIC AND PNEUMATIC <input checked="" type="checkbox"/> CONFORM <input type="checkbox"/> NOT CONFORM VISUAL AND DIMENSIONAL TEST <input checked="" type="checkbox"/> CONFORM <input type="checkbox"/> NOT CONFORM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table><tr><td>HYDROSTATIC BODY & BACKSEAT</td><td>PNEUM. SEAT</td></tr><tr><td>60</td><td>45</td></tr><tr><td>6</td><td>6</td></tr></table> | | HYDROSTATIC BODY & BACKSEAT | PNEUM. SEAT | 60 | 45 | 6 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HYDROSTATIC BODY & BACKSEAT | PNEUM. SEAT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTES * HARD FACING OVERLAY: AWS R Co Cr A (STELLITE GR. 6) MATERIAL ACCORDING TO AD2000-MERKBLATT A4 V15046 V15081 V15082 V15083 V15085 V15088 V43080 V81008 V82011 V82021 V82033 V82041 V82053 V84033 V84034 V84092 V84093 V87020 V87021 V87060 V87061 V87062 V87063 V87064 V88083 V88084 V88085 V88086 V88087 V88088 V88089 V88090 V90081 V90082 V90083 V90085 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COMPONENT PART NAME MATERIAL | | CHEMICAL ANALYSIS <table><tr><td>C</td><td>Mn</td><td>Si</td><td>S</td><td>P</td><td>Cr</td><td>Mo</td><td>Ni</td><td>Ti</td><td>Cu</td><td>Fe</td><td>MILL #</td></tr><tr><td>Al</td><td>Co</td><td>N</td><td>V</td><td>Nb</td><td>Sn</td><td>CE</td><td>Nb+Ta</td><td></td><td></td><td></td><td></td></tr></table> | | C | Mn | Si | S | P | Cr | Mo | Ni | Ti | Cu | Fe | MILL # | Al | Co | N | V | Nb | Sn | CE | Nb+Ta | | | | | MECHANICAL PROPERTIES. IMPACT TESTS <table><tr><td>TENSILE N/mm2</td><td>Yield N/mm2</td><td>ELONGATION RED. OF AREA 1 JOULE</td><td>2 JOULE</td><td>3 JOULE</td><td>TEST TEMP. °C</td><td>HARDNESS HB</td></tr><tr><td>0.181</td><td>0.848</td><td>0.199</td><td>0.003</td><td>0.006</td><td>0.085</td><td>0.139</td></tr><tr><td>0.023</td><td></td><td>0.001</td><td>0.001</td><td>0.015</td><td>0.370</td><td>0.006</td></tr><tr><td>507.00</td><td>348.00</td><td>27.75</td><td>66.94</td><td></td><td></td><td>157.00</td></tr><tr><td>0.220</td><td>0.570</td><td>0.290</td><td>0.004</td><td>0.005</td><td>1.300</td><td>0.710</td></tr><tr><td></td><td></td><td>0.280</td><td></td><td></td><td></td><td></td></tr><tr><td>787.00</td><td>715.00</td><td>18.70</td><td>68.00</td><td></td><td></td><td></td></tr><tr><td>0.111</td><td>0.390</td><td>0.480</td><td>0.022</td><td>0.016</td><td>12.140</td><td>0.340</td></tr><tr><td>710.00</td><td>655.00</td><td>20.00</td><td>68.00</td><td></td><td></td><td>216.00</td></tr><tr><td>0.105</td><td>0.570</td><td>0.330</td><td>0.020</td><td>0.018</td><td>12.250</td><td>0.030</td></tr><tr><td>0.005</td><td></td><td>0.052</td><td></td><td></td><td></td><td></td></tr><tr><td>668.00</td><td>481.00</td><td>22.20</td><td>72.10</td><td></td><td></td><td>222.00</td></tr><tr><td>0.207</td><td>0.842</td><td>0.230</td><td>0.001</td><td>0.006</td><td>0.099</td><td>0.025</td></tr><tr><td>0.035</td><td></td><td>0.001</td><td>0.001</td><td>0.002</td><td>0.021</td><td>0.383</td></tr><tr><td>509.00</td><td>357.00</td><td>27.40</td><td>55.11</td><td>112</td><td>120</td><td>118</td></tr><tr><td>0.181</td><td>0.890</td><td>0.257</td><td>0.007</td><td>0.011</td><td>0.030</td><td>0.002</td></tr><tr><td>0.031</td><td></td><td>0.002</td><td>0.001</td><td>0.004</td><td></td><td></td></tr><tr><td>490.60</td><td>313.50</td><td>28.40</td><td>68.40</td><td>173</td><td>170</td><td>20.00</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>129.00</td></tr></table> | | TENSILE N/mm2 | Yield N/mm2 | ELONGATION RED. OF AREA 1 JOULE | 2 JOULE | 3 JOULE | TEST TEMP. °C | HARDNESS HB | 0.181 | 0.848 | 0.199 | 0.003 | 0.006 | 0.085 | 0.139 | 0.023 | | 0.001 | 0.001 | 0.015 | 0.370 | 0.006 | 507.00 | 348.00 | 27.75 | 66.94 | | | 157.00 | 0.220 | 0.570 | 0.290 | 0.004 | 0.005 | 1.300 | 0.710 | | | 0.280 | | | | | 787.00 | 715.00 | 18.70 | 68.00 | | | | 0.111 | 0.390 | 0.480 | 0.022 | 0.016 | 12.140 | 0.340 | 710.00 | 655.00 | 20.00 | 68.00 | | | 216.00 | 0.105 | 0.570 | 0.330 | 0.020 | 0.018 | 12.250 | 0.030 | 0.005 | | 0.052 | | | | | 668.00 | 481.00 | 22.20 | 72.10 | | | 222.00 | 0.207 | 0.842 | 0.230 | 0.001 | 0.006 | 0.099 | 0.025 | 0.035 | | 0.001 | 0.001 | 0.002 | 0.021 | 0.383 | 509.00 | 357.00 | 27.40 | 55.11 | 112 | 120 | 118 | 0.181 | 0.890 | 0.257 | 0.007 | 0.011 | 0.030 | 0.002 | 0.031 | | 0.002 | 0.001 | 0.004 | | | 490.60 | 313.50 | 28.40 | 68.40 | 173 | 170 | 20.00 | | | | | | | 129.00 | TESTING - EACH SINGLE COMPONENT OF THE VALVE WHICH IS MENTIONED IN THIS CERTIFICATE HAS BEEN MANUFACTURED, HEAT TREATED AND TESTED FULLY IN ACCORDANCE WITH ITS OWN MATERIAL SPECIFICATION AS ABOVE INDICATED - THE REPORTED VALUES ARE STRICTLY IN ACCORDANCE WITH THE ORIGINAL MILL CERTIFICATES | |
| C | Mn | Si | S | P | Cr | Mo | Ni | Ti | Cu | Fe | MILL # | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Al | Co | N | V | Nb | Sn | CE | Nb+Ta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TENSILE N/mm2 | Yield N/mm2 | ELONGATION RED. OF AREA 1 JOULE | 2 JOULE | 3 JOULE | TEST TEMP. °C | HARDNESS HB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.181 | 0.848 | 0.199 | 0.003 | 0.006 | 0.085 | 0.139 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.023 | | 0.001 | 0.001 | 0.015 | 0.370 | 0.006 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 507.00 | 348.00 | 27.75 | 66.94 | | | 157.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.220 | 0.570 | 0.290 | 0.004 | 0.005 | 1.300 | 0.710 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 0.280 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 787.00 | 715.00 | 18.70 | 68.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.111 | 0.390 | 0.480 | 0.022 | 0.016 | 12.140 | 0.340 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 710.00 | 655.00 | 20.00 | 68.00 | | | 216.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.105 | 0.570 | 0.330 | 0.020 | 0.018 | 12.250 | 0.030 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.005 | | 0.052 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 668.00 | 481.00 | 22.20 | 72.10 | | | 222.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.207 | 0.842 | 0.230 | 0.001 | 0.006 | 0.099 | 0.025 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.035 | | 0.001 | 0.001 | 0.002 | 0.021 | 0.383 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 509.00 | 357.00 | 27.40 | 55.11 | 112 | 120 | 118 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.181 | 0.890 | 0.257 | 0.007 | 0.011 | 0.030 | 0.002 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.031 | | 0.002 | 0.001 | 0.004 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 490.60 | 313.50 | 28.40 | 68.40 | 173 | 170 | 20.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | 129.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| THIRD AUTHORITY | | CLIENT INSPECTION DEPT | | INSPECTION DEPT. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DATE | | DATE | | DATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ISO REG. N° 0357 | | ISO 9001 | | ISO REG. N° 0357 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REGISTERED FIRM | | REGISTERED FIRM | | REGISTERED FIRM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| API Q1 | | API Q1 | | API Q1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACHILLES | | ACHILLES | | ACHILLES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| STOOMWEZEN | | STOOMWEZEN | | STOOMWEZEN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANSI-DAB | | ANSI-DAB | | ANSI-DAB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACCREDITED | | ACCREDITED | | ACCREDITED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| API 5B | | API 5B | | API 5B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| API 5D | | API 5D | | API 5D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| API 5G | | API 5G | | API 5G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| API 5H | | API 5H | | API 5H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| API 5K | | API 5K | | API 5K | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| API 5O | | API 5O | | API 5O | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |