

| 01 Specs<br>01Title       | Geiser 20 T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                         |                                     | 06.09.16 AO<br>VS.02 | Project<br>No. |  |  |  |            |           |          |          |          |          |   |          |                                   |                                   |                                     |               |                                |                                         |                                |                           |                                |                               |                                 |          |       |       |                         |                      |                              |                              |                               |             |                          |                          |                            |  |  |
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| Item /<br>No.             | Description / Quantity / Unit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                         |                                     | Unit price           | total price    |  |  |  |            |           |          |          |          |          |   |          |                                   |                                   |                                     |               |                                |                                         |                                |                           |                                |                               |                                 |          |       |       |                         |                      |                              |                              |                               |             |                          |                          |                            |  |  |
| 01.1<br>Position          | <p><b>Description:</b><br/><b>Adjustable (direction) tombac injection nozzle to create a homogenous and stable foamy Xmas tree like water jet. Form and height vary with nozzle height position with respect to the water surface and are influenced by waves.</b></p> <p>Installation and operation in freshwater.*</p> <p><b>Technical data:</b><br/>Dimension (Ø x H): 78x227 [mm]<br/>Material: tombac<br/>Weight: 1,5 kg<br/>Connecting thread (Inner thread): G1<br/>Effect height: 0,5-6,0 [m]<br/>Adjustable flange: yes<br/>Water-level independent: no</p> <p>*</p> <table><tr><th colspan="4">water-quality-matrix</th></tr><tr><th></th><th>Freshwater</th><th>Poolwater</th><th>Seawater</th></tr><tr><td>PH.Value</td><td>7,2 -7,6</td><td>7,2 -7,6</td><td>8</td></tr><tr><td>Hardness</td><td>8 -15 ° DH;<br/>142 -267 ppm CaCo3</td><td>8 -15 ° DH;<br/>142 -267 ppm CaCo3</td><td>20 -30 ° DH;<br/>356 - 534 ppm CaCo3</td></tr><tr><td>Free Chlorine</td><td>&lt; 0,3 mg/l;<br/>&lt; 0,036 moz/gal</td><td>0,3 -0,6 mg/l;<br/>0,036 - 0,072 moz/gal</td><td>&lt; 0,3 mg/l;<br/>&lt; 0,036 moz/gal</td></tr><tr><td>Chlorine<br/>concentration</td><td>&lt; 250 mg/l;<br/>&lt; 30,28 moz/gal</td><td>&lt; 200 mg/l;<br/>&lt; 24,2 moz/gal</td><td>&lt;=22000 mg/l;<br/>&lt;=2664 moz/gal</td></tr><tr><td>Salinity</td><td>n. d.</td><td>n. d.</td><td>&lt;= 4%;<br/>&lt;= 40.000 ppm</td></tr><tr><td>Total Dry<br/>Residue</td><td>&lt; 50 mg/l;<br/>&lt; 6,06 moz/gal</td><td>&lt; 50 mg/l;<br/>&lt; 6,06 moz/gal</td><td>&lt; 250mg/l;<br/>&lt; 30,28 moz/gal</td></tr><tr><td>Temperature</td><td>4 -35° C;<br/>39 - 95 ° F</td><td>4 -30° C;<br/>39 - 86 ° F</td><td>4 - 20 ° C;<br/>39 - 68 ° F</td></tr></table> <p>Supply and delivery according to manufacturer specifications.</p> <p>Product / proof of delivery:<br/><b>Geiser 20 T</b><br/><b>Art. 50991</b></p> <p>OASE GmbH<br/>Tecklenburger Str. 161<br/>48477 Hörstel / Germany<br/>Phone: +49 5454 800</p> <p>(or equivalent)<br/>.....<br/>Entered by the bidder</p> |                                         |                                     | water-quality-matrix |                |  |  |  | Freshwater | Poolwater | Seawater | PH.Value | 7,2 -7,6 | 7,2 -7,6 | 8 | Hardness | 8 -15 ° DH;<br>142 -267 ppm CaCo3 | 8 -15 ° DH;<br>142 -267 ppm CaCo3 | 20 -30 ° DH;<br>356 - 534 ppm CaCo3 | Free Chlorine | < 0,3 mg/l;<br>< 0,036 moz/gal | 0,3 -0,6 mg/l;<br>0,036 - 0,072 moz/gal | < 0,3 mg/l;<br>< 0,036 moz/gal | Chlorine<br>concentration | < 250 mg/l;<br>< 30,28 moz/gal | < 200 mg/l;<br>< 24,2 moz/gal | <=22000 mg/l;<br><=2664 moz/gal | Salinity | n. d. | n. d. | <= 4%;<br><= 40.000 ppm | Total Dry<br>Residue | < 50 mg/l;<br>< 6,06 moz/gal | < 50 mg/l;<br>< 6,06 moz/gal | < 250mg/l;<br>< 30,28 moz/gal | Temperature | 4 -35° C;<br>39 - 95 ° F | 4 -30° C;<br>39 - 86 ° F | 4 - 20 ° C;<br>39 - 68 ° F |  |  |
| water-quality-matrix      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                         |                                     |                      |                |  |  |  |            |           |          |          |          |          |   |          |                                   |                                   |                                     |               |                                |                                         |                                |                           |                                |                               |                                 |          |       |       |                         |                      |                              |                              |                               |             |                          |                          |                            |  |  |
|                           | Freshwater                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Poolwater                               | Seawater                            |                      |                |  |  |  |            |           |          |          |          |          |   |          |                                   |                                   |                                     |               |                                |                                         |                                |                           |                                |                               |                                 |          |       |       |                         |                      |                              |                              |                               |             |                          |                          |                            |  |  |
| PH.Value                  | 7,2 -7,6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 7,2 -7,6                                | 8                                   |                      |                |  |  |  |            |           |          |          |          |          |   |          |                                   |                                   |                                     |               |                                |                                         |                                |                           |                                |                               |                                 |          |       |       |                         |                      |                              |                              |                               |             |                          |                          |                            |  |  |
| Hardness                  | 8 -15 ° DH;<br>142 -267 ppm CaCo3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 8 -15 ° DH;<br>142 -267 ppm CaCo3       | 20 -30 ° DH;<br>356 - 534 ppm CaCo3 |                      |                |  |  |  |            |           |          |          |          |          |   |          |                                   |                                   |                                     |               |                                |                                         |                                |                           |                                |                               |                                 |          |       |       |                         |                      |                              |                              |                               |             |                          |                          |                            |  |  |
| Free Chlorine             | < 0,3 mg/l;<br>< 0,036 moz/gal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 0,3 -0,6 mg/l;<br>0,036 - 0,072 moz/gal | < 0,3 mg/l;<br>< 0,036 moz/gal      |                      |                |  |  |  |            |           |          |          |          |          |   |          |                                   |                                   |                                     |               |                                |                                         |                                |                           |                                |                               |                                 |          |       |       |                         |                      |                              |                              |                               |             |                          |                          |                            |  |  |
| Chlorine<br>concentration | < 250 mg/l;<br>< 30,28 moz/gal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | < 200 mg/l;<br>< 24,2 moz/gal           | <=22000 mg/l;<br><=2664 moz/gal     |                      |                |  |  |  |            |           |          |          |          |          |   |          |                                   |                                   |                                     |               |                                |                                         |                                |                           |                                |                               |                                 |          |       |       |                         |                      |                              |                              |                               |             |                          |                          |                            |  |  |
| Salinity                  | n. d.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | n. d.                                   | <= 4%;<br><= 40.000 ppm             |                      |                |  |  |  |            |           |          |          |          |          |   |          |                                   |                                   |                                     |               |                                |                                         |                                |                           |                                |                               |                                 |          |       |       |                         |                      |                              |                              |                               |             |                          |                          |                            |  |  |
| Total Dry<br>Residue      | < 50 mg/l;<br>< 6,06 moz/gal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | < 50 mg/l;<br>< 6,06 moz/gal            | < 250mg/l;<br>< 30,28 moz/gal       |                      |                |  |  |  |            |           |          |          |          |          |   |          |                                   |                                   |                                     |               |                                |                                         |                                |                           |                                |                               |                                 |          |       |       |                         |                      |                              |                              |                               |             |                          |                          |                            |  |  |
| Temperature               | 4 -35° C;<br>39 - 95 ° F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4 -30° C;<br>39 - 86 ° F                | 4 - 20 ° C;<br>39 - 68 ° F          |                      |                |  |  |  |            |           |          |          |          |          |   |          |                                   |                                   |                                     |               |                                |                                         |                                |                           |                                |                               |                                 |          |       |       |                         |                      |                              |                              |                               |             |                          |                          |                            |  |  |