

01 Specs 01Titel	Varionaut 400 / DMX / 02	06.04.18 AB VS.01	Project No.
Item / No.	Description/ Quantity/ Unit	Unit Price	Total
01.1 Position	<p>Description: DMX-RDM* compatible / controllable** pump Durably waterproof housing with fully encapsulated motor coil, incl. DMX-RDM control box, filter basket, cable and connection box for DMX-RDM, cable without plug for 230 V AC power and integrated stand.</p> <p>Oil-free pump.</p> <p>Suitable for dry and wet assembly.</p> <p>Environmental conditions for dry application: Max. air temperature: 104 °F with forced convection No direct sun radiation allowed!</p> <p>Environmental conditions for wet application (waterquality): Installation and operation in fresh-, pool- and seawater.***</p> <p>Technical data: Dimensions (L x W x H): 20.6 x 8.4 x 10.5 in incl. Filter Suction side (Outside thread): G 2 Pressure side (Outside thread): G 2 Protection class: IP 68 / 13.1 ft Hmax: 49 ft Qmax: 6340 gph Qmin (DMX=0): 475 gph Total Weight: 36.4 lb Power consumption: 730 W Nominal Voltage: 230 V 50/60 Hz Nominal Current: 3.5 A Hydraulic ramp up time (0-100%): 1 s DMX-RDM compatible: Yes Configuration/Parameterization in build-in status: Yes Number of DMX channels: 2 Overheating protection: Yes Max. number of on/off cycles: 1/min Pump housing material: PA-GF</p> <p>Motor: Type: 230 V EC-Motor Regular range of operation: 400 - 3800 1/min Number of DMX channels allocated: 2 Material Housing: PBT-ASA</p> <p>Filter Basket: Filter surface area: 1.076 sq ft Mesh size: 0.079 x 0.236 in Material: Stainless steel / ABS</p> <p>Cable and connection-boxes: All signals with galvanic separation in connection boxes.</p>		

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	<p>DMX-cablling: DMX slots (XLR): 1 x Input (special version) 1 x Output Integrated water barrier Yes Pin allocation: Pin 1: shield Pin 2: minus Pin 3: plus Pin 4: n.c. Pin 5: n.c.</p> <p>Power-cablling: Approx. 20 ft cable without plug Cable (H05RN-F): 3 x 1,0 mm² (approx. AWG 18)</p> <p>Stand: 4 holes for fixation to pool bottom Material: Stainless steel 1.4401 (AISI 316) Hole diameter: 0.47 in</p> <p>*DMX RDM [Remote Device Managment] is a bidirectional bus for querying and programing of DMX-devices. A RDM control unit is capable of identifying connected devices and to -partial automatically- configure them. DMX RDM devices can be operated simultaneously with simple DMX devices at the same time. ** no additional frequency convertor needed ***</p>																																						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">water-quality-matrix</th> </tr> <tr> <th></th> <th style="text-align: center;">Freshwater</th> <th style="text-align: center;">Poolwater</th> <th style="text-align: center;">Seawater</th> </tr> </thead> <tbody> <tr> <td>PH.Value</td> <td style="text-align: center;">7,2 -7,6</td> <td style="text-align: center;">7,2 -7,6</td> <td style="text-align: center;">8</td> </tr> <tr> <td>Hardness</td> <td style="text-align: center;">8 -15 ° DH; 142 -267 ppm CaCo3</td> <td style="text-align: center;">8 -15 ° DH; 142 -267 ppm CaCo3</td> <td style="text-align: center;">20 -30 ° DH; 356 - 534 ppm CaCo3</td> </tr> <tr> <td>Free Chlorine</td> <td style="text-align: center;">< 0,3 mg/l; < 0,036 moz/gal</td> <td style="text-align: center;">0,3 -0,6 mg/l; 0,036 - 0,072 moz/gal</td> <td style="text-align: center;">< 0,3 mg/l; < 0,036 moz/gal</td> </tr> <tr> <td>Chlorine concentration</td> <td style="text-align: center;">< 250 mg/l; < 30,28 moz/gal</td> <td style="text-align: center;">< 200 mg/l; < 24,2 moz/gal</td> <td style="text-align: center;"><=22000 mg/l; <=2664 moz/gal</td> </tr> <tr> <td>Salinity</td> <td style="text-align: center;">n. d.</td> <td style="text-align: center;">n. d.</td> <td style="text-align: center;"><= 4%; <= 40.000 ppm</td> </tr> <tr> <td>Total Dry Residue</td> <td style="text-align: center;">< 50 mg/l; < 6,06 moz/gal</td> <td style="text-align: center;">< 50 mg/l; < 6,06 moz/gal</td> <td style="text-align: center;">< 250mg/l; < 30,28 moz/gal</td> </tr> <tr> <td>Temperature</td> <td style="text-align: center;">4 -35° C; 39 - 95 ° F</td> <td style="text-align: center;">4 -30° C; 39 - 86 ° F</td> <td style="text-align: center;">4 - 20 ° C; 39 - 68 ° F</td> </tr> </tbody> </table>	water-quality-matrix					Freshwater	Poolwater	Seawater	PH.Value	7,2 -7,6	7,2 -7,6	8	Hardness	8 -15 ° DH; 142 -267 ppm CaCo3	8 -15 ° DH; 142 -267 ppm CaCo3	20 -30 ° DH; 356 - 534 ppm CaCo3	Free Chlorine	< 0,3 mg/l; < 0,036 moz/gal	0,3 -0,6 mg/l; 0,036 - 0,072 moz/gal	< 0,3 mg/l; < 0,036 moz/gal	Chlorine concentration	< 250 mg/l; < 30,28 moz/gal	< 200 mg/l; < 24,2 moz/gal	<=22000 mg/l; <=2664 moz/gal	Salinity	n. d.	n. d.	<= 4%; <= 40.000 ppm	Total Dry Residue	< 50 mg/l; < 6,06 moz/gal	< 50 mg/l; < 6,06 moz/gal	< 250mg/l; < 30,28 moz/gal	Temperature	4 -35° C; 39 - 95 ° F	4 -30° C; 39 - 86 ° F	4 - 20 ° C; 39 - 68 ° F		
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	<p>Supply and delivery according to manufacturer specifications.</p> <p>Product / proof of delivery: Varionaut 400 / DMX / 02 Art. 33256</p> <p>OASE GmbH Tecklenburger Str. 161 48477 Hörstel / Germany Phone: +49 5454 800</p> <p>(or equivalent) Entered by the bidder</p>																																						