

01 Specs 01Titel	Varionaut 400 / DMX / 02	10.07.17 KF 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 with 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: 40 °C with forced convection No direct sun radiation allowed!</p> <p>Environmental conditions for wet application (waterquality): Installation and operation in fresh- and poolwater.***</p> <p>Technical data: Dimensions (L x W x H): 524 x 213 x 266 [mm] incl. Filter Suction side (Outside thread): G 2 Pressure side (Outside thread): G 2 Protection class: IP 68 / 4m Hmax: 15 m WS Qmax: 400 l/min Qmin (DMX=0): 25 l/min Total Weight: 16,5 kg 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: 1000 cm² Mesh size: 2 x 6 [mm] Material: Edelmetall 1.4401 / ABS</p> <p>Cable and connection-boxes: All signals with galvanic separation in connection boxes.</p>		

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	<p>DMX-cabling: 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-cabling: Approx. 10m cable with standart plug Cable (H07-RNF 3G1): 3 x 1,0 mm²</p> <p>Stand: 4 holes for fixation to pool bottom Material: Stainless steel 1.4401 Hole diameter: 12 mm</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>				
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		
<p>Supply and delivery according to manufacturer specifications.</p> <p>Product / proof of delivery: Varionaut 400 / DMX / 02 Art. 46421</p> <p>OASE GmbH Tecklenburger Str. 161 48477 Hörstel / Germany Phone: +49 5454 800</p> <p>(or equivalent) Entered by the bidder</p>					