



INSTALLATION AND USE

TOP MULTI 1-AD submersible pumps are engineered to handle AUS32 (Aqueous Urea Solution 32.5%), a clean liquid meeting ISO 22241 standards. This solution is also recognized globally under:

- ✳ **AdBlue®** (registered trademark of Verband der Automobilindustrie VDA);
- ✳ **DEF** (Diesel Exhaust Fluid);
- ✳ **Arla 32** (Agente Redutor Liquido de Óxido de Nitrogênio Automotivo).

APPLICATION LIMITS

- Depth of use below liquid level up to **3 m**
- Liquid temperature up to **+40 °C**
- Draining capability up to **25 mm** from the bottom

INCLUDES

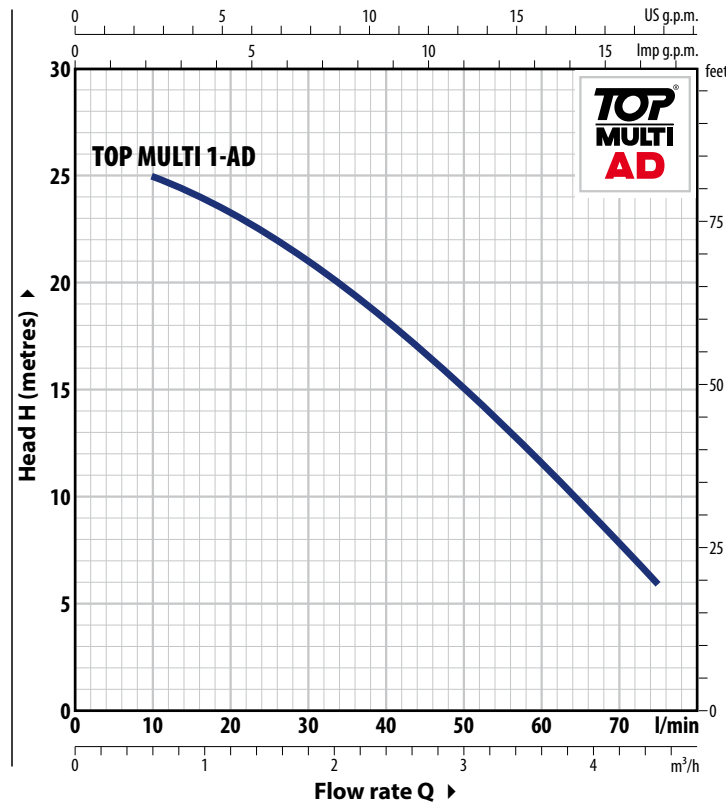
- ✳ **5 m** long power cable with H07BN4-F sheathing
- ✳ Complete sleeve with clapet valve

AVAILABLE UPON REQUEST

- ✳ Different voltage requirements 60 Hz frequency
- ✳ 10 metres long power cable

CURVES AND PERFORMANCE DATA

50 Hz




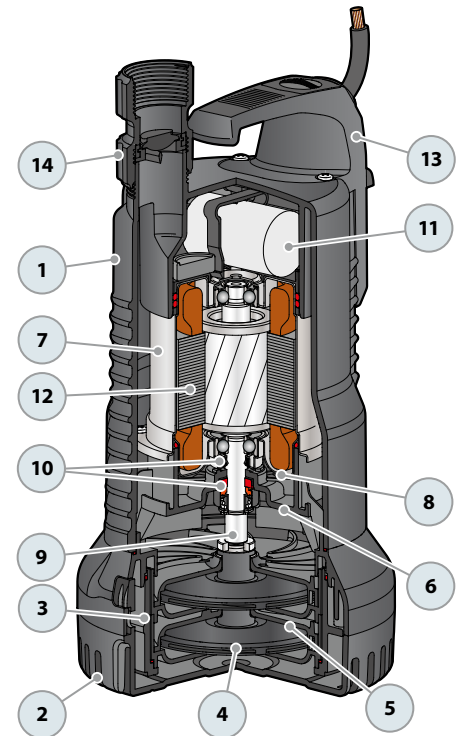
ABSORPTION

TYPE	VOLTAGE
Single-phase	230 V
TOP MULTI 1-AD	2.0 A

TYPE	POWER (P ₂)		Q	Flow rate									
	kW	HP		m³/h	0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.5
Single-phase			l/min	0	10	20	30	40	50	60	70	75	
TOP MULTI 1-AD	0.37	0.50	H metres	26	25	23.3	21	18.3	15	11.6	8	6	

MATERIALS AND COMPONENTS

1 Pump body	Technopolymer with ISO 228/1 threaded delivery port										
2 Suction filter	Technopolymer										
3 Containment stages	Technopolymer										
4 Impeller	Noryl™										
5 Diffuser	Noryl™										
6 Diffuser vanes	Technopolymer										
7 Motor sleeve	Stainless steel AISI 304										
8 Motor cover	Stainless steel AISI 304										
9 Motor shaft	Stainless steel AISI 431										
10 Double shaft seal	<table border="1"> <thead> <tr> <th>Seal</th> <th>Shaft</th> <th>Materials</th> </tr> </thead> <tbody> <tr> <td>STA-12R SGE</td> <td>Ø 12 mm</td> <td>Silicon carbide / Graphite / EPDM</td> </tr> <tr> <td>Shaft seal</td> <td colspan="2">Ø 12 x Ø 19 x H 5 mm</td> </tr> </tbody> </table>		Seal	Shaft	Materials	STA-12R SGE	Ø 12 mm	Silicon carbide / Graphite / EPDM	Shaft seal	Ø 12 x Ø 19 x H 5 mm	
Seal	Shaft	Materials									
STA-12R SGE	Ø 12 mm	Silicon carbide / Graphite / EPDM									
Shaft seal	Ø 12 x Ø 19 x H 5 mm										
11 Capacitor											
12 Electric motor	<p>TOP MULTI-AD: Single-phase 230 V - 50 Hz with winding integrated thermal motor protection</p> <ul style="list-style-type: none"> - Continuous running duty S1 - Insulation: Class F - Protection rating IP X8 										
13 Handle group	※ Complete with 5 metres long power cable type 'H07BN4-F'.										
14 Sleeve	Threaded 1¼" ISO 228/1 with built-in clapet valve (Included in delivery) 										



DIMENSIONS AND WEIGHTS (mm)

TYPE	PORT DN	N° STAGES	DIMENSIONS mm							kg
			a	b	h	h1	d	p	∅	
Single-phase										
TOP MULTI 1-AD	1¼"	2	170	180	295	315	25	350	220	5.9

PALLET CAPACITY

TYPE	NO. OF PUMPS
Single-phase	
TOP MULTI 1-AD	60

