

Ab DIVERTEK

SUBMERSIBLE MULTI-IMPELLER PUMPS



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TECHNICAL DATA

Flow rate: from 1 m³/h to 6 m³/h

Head up to: 45 m (900 version)

30 m (650 version)

25 m (500 version)

Maximum immersion depth: 12 m

Type of pumped liquid: clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral. Suitable for use with AdBlue® liquid.

Liquid temperature range: from 0°C to +35°C

Minimum and maximum room temperature: 0°C / +40°C

Outlet connection: 1" (supplied as standard with a four-section fitting-reducer)

Pump maximum diameter: 160 mm

Impeller/s material: technopolymer

Maximum number of starts: 20/h

Protection class: IP 68

Motor insulation class: F

Single phase power input: 230 V 50 Hz

Power cable (m) and plug: 7 m H07RNF with power plug

Possible type of installation: fixed or movable in vertical position

Special versions on request: cables of different lengths, different plugs, non-automatic version

Submersible multi-impeller pump for clean water, designed for pressurization, rainwater reuse, gardening and irrigation in residential building service. The AB DIVERTEK version is specifically designed for use with AdBlue® liquid. Multi-impeller pump with built-in non-return valve and debris filter. There are versions with 2 or 3 impellers, automatic or manual. The pump has been renewed to further increase its reliability and ergonomics in transport (the handle has been entirely redesigned). Quick access to the capacitor compartment. A four-section fitting-reducer is supplied as standard.

CONSTRUCTION FEATURES OF THE PUMP

Pump body and impellers in technopolymer to resist corrosion and oxidation. Technopolymer anti-debris filter. AB Divertek version has the gaskets in contact with the liquid in EPDM rubber, for optimal resistance. Automatic version equipped with float switch for protection against dry running. Removable non-return valve.

CONSTRUCTION FEATURES OF THE MOTOR

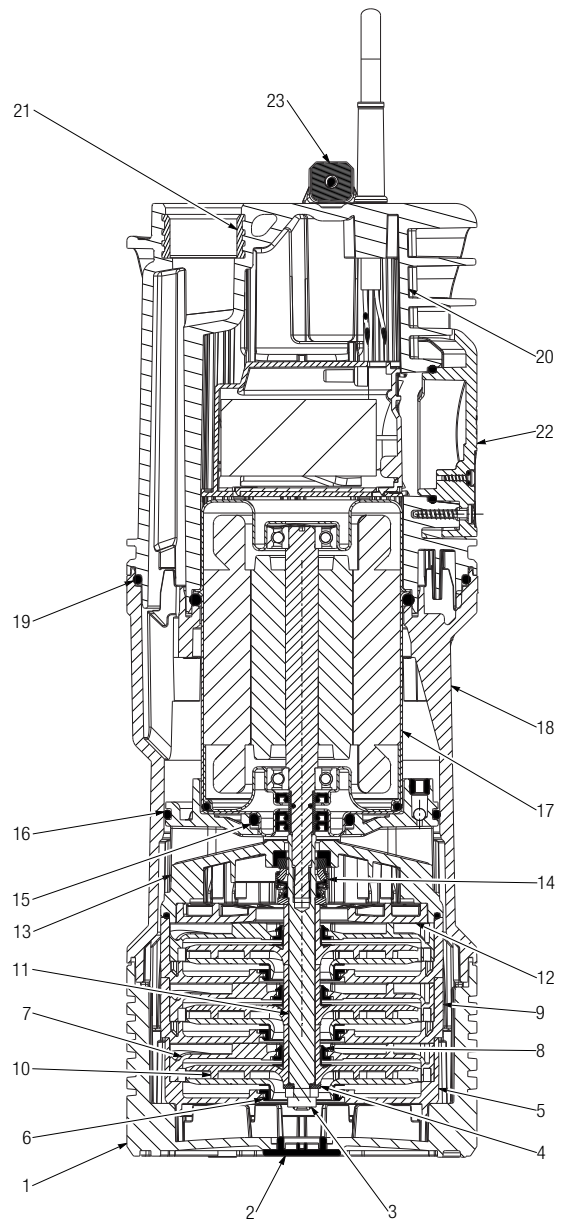
Submersible asynchronous motor. Motor shaft in stainless steel AISI 416 + AISI 304. Integrated starting capacitor and integrated thermal protection against overheating of the motor. 15 meter power cable with plug included.

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MATERIALS

N°	PARTS		MATERIALS
1	BASE		TECHNOPOLYMER
2	INSPECTION CAP		EPDM
3	NUT		SS A2
4	WASHER		SS A2
5	FIRST STAGE CASE		TECHNOPOLYMER
6	FRONT FLOATING RING		TECHNOPOLYMER
7	DIFFUSER		TECHNOPOLYMER
8	BACK FLOATING RING		TECHNOPOLYMER
9	STAGE CASE		TECHNOPOLYMER
10	IMPELLER		TECHNOPOLYMER
11	SHAFT		SS AISI 303
12	FINAL DIFFUSER CAP		TECHNOPOLYMER
13	MOTOR FLANGE		TECHNOPOLYMER
14	MECHANICAL SEAL		CARBON-IMPREGNATED RESIN/ CERAMIC/EPDM
15	OR GASKET		EPDM
16	OR GASKET		EPDM
17	MOTOR	CAP	SS AISI 304
		MOTOR SHAFT	SS AISI 416
18	BODY		TECHNOPOLYMER
19	OR GASKET		EPDM
20	COVER		TECHNOPOLYMER
21	INSERT		BRASS
22	CAPACITOR COMPARTMENT COVER		TECHNOPOLYMER
23	HANDLE		TECHNOPOLYMER



PERFORMANCE AT 50 HZ

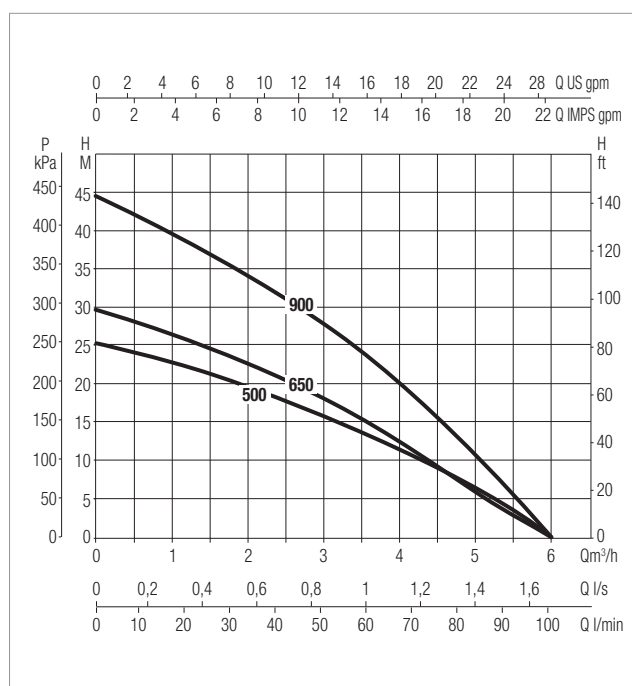
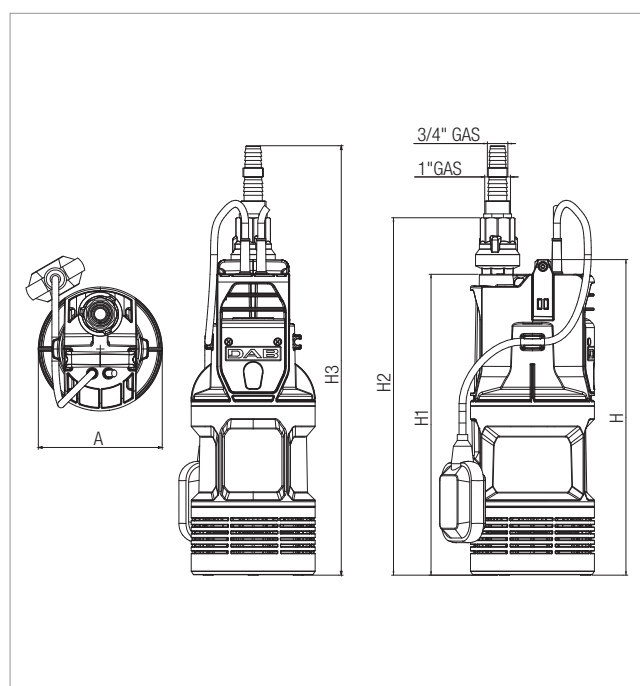
MODEL	HYDRAULIC DATA								
	Q=m³/h	0	1,2	1,8	2,4	3	3,6	4,2	4,8
	Q=l/min	0	20	30	40	50	60	70	80
AB DIVERTEK 900	H (m)	44,5	40,9	37,8	34,1	30,2	25,3	19,8	13,6
AB DIVERTEK 650		29,6	26,8	24,7	22,2	19,8	16,4	12,5	8,2
AB DIVERTEK 500		25,2	23,2	22	19,8	17,3	14,4	11,4	7,9

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ELECTRICAL DATA AND DIMENSIONS

MODEL	ELECTRICAL DATA							DIMENSIONS							PACKING VOLUME dm³	Q.TY X PALLET	WEIGHT Kg	
	POWER INPUT 50 Hz	P1 W	P2 NOMINAL		In A	CAPACITOR		A	H	H1	H2	H3	PACKING DIMENSIONS					
			kW	HP		µF	V						L/A	L/B				H
AB DIVERTEK 900	1 x 220-240 V ~	920	0,56	0,75	4,2	12,5	450	Ø 160	455	436	509	602	226	186	484	20,3	40	10,6
AB DIVERTEK 650	1 x 220-240 V ~	630	0,42	0,56	2,9	8	450	Ø 160	408	389	462	555	226	186	484	20,3	40	9,1
AB DIVERTEK 500	1 x 220-240 V ~	530	0,34	0,46	2,5	8	450	Ø 160	408	389	462	555	226	186	484	20,3	40	9,1



The performance curves are based on kinematic viscosity values = 1 mm²/s and density equivalent to 1000 kg/m³. Curve tolerance according to ISO 9906.

NOTE

DWA

P U M P S S E L E C T O R

On-line selection tool



DAB PUMPS LTD.
6 Gilberd Court
Newcomen Way
Severalls Business Park
Colchester
Essex
CO4 9WN - UK
salesuk@dwgroup.com
Tel. +44 0333 777 5010



DAB PUMPS IBERICA S.L.
Calle Verano 18-20-22
28850 - Torrejón de Ardoz - Madrid
Spain
Info.spain@dwgroup.com
Tel. +34 91 6569545
Fax: +34 91 6569676



DAB PUMPS (QINGDAO) CO. LTD.
No.40 Kaituo Road, Qingdao Economic
& Technological
Development Zone
Qingdao City, Shandong Province - China
PC: 266500
sales.cn@dwgroup.com
Tel. +86 400 186 8280
Fax +86 53286812210



DAB PUMPS BV
'tHofveld 6 C1
1702 Groot Bijgaarden - Belgium
info.belgium@dwgroup.com
Tel. +32 2 4668353



DAB PUMPS HUNGARY KFT.
H-8800
Nagykanizsa, Buda Ernő u.5
Hungary
Tel. +36 93501700



DAB PUMPS DE MÉXICO, S.A. DE C.V.
Av Amsterdam 101 Local 4
Col. Hipódromo Condesa,
Del. Cuauhtémoc CP 06170
Ciudad de México
Tel. +52 55 6719 0493



DAB PUMPS POLAND Sp. z o.o.
Ul. Janka Muzykanta 60
02188 Warszawa - Poland
polska@dabpumps.com.pl



DAB PUMPS B.V.
Albert Einsteinweg, 4
5151 DL Drunen - Nederland
info.netherlands@dwgroup.com
Tel. +31 416 387280
Fax +31 416 387299



DAB PUMPS INC.
3226 Benchmark Drive
Ladson, SC 29456 - USA
info.usa@dwgroup.com
Tel. 1- 843-797-5002
Fax 1-843-797-3366



DAB PUMPS OCEANIA PTY LTD
426 South Gippsland Highway,
Dandenong South VIC 3175 - Australia
info.oceania@dwgroup.com
Tel. +61 1300 378 677



DAB PUMPS GMBH
Am Nordpark 3
D - 41069 Mönchengladbach - Germany
info.germany@dwgroup.com
Tel. +49 2161 47388-0
Fax +49 2161 47388-36



DAB PUMPS SOUTH AFRICA (PTY) LTD
Twenty One Industrial Estate,
16 Purlin Street, Unit B, Warehouse 4
Olifantsfontein -1667 - South Africa
info.sa@dwgroup.com
Tel. +27 12 361 3997



PT DAB PUMPS INDONESIA
Satrio Tower lantai 26
unit C-D, Jl. Prof. Dr. Satrio Kav. C4,
Kel. Kuningan Timur, Kec. Setiabudi, Kota Adm.
Jakarta Selatan, Prov. DKI Jakarta. - Indonesia
Tel. +62 2129222850