DAB

MAKING WATER EASY

esybox DIVER

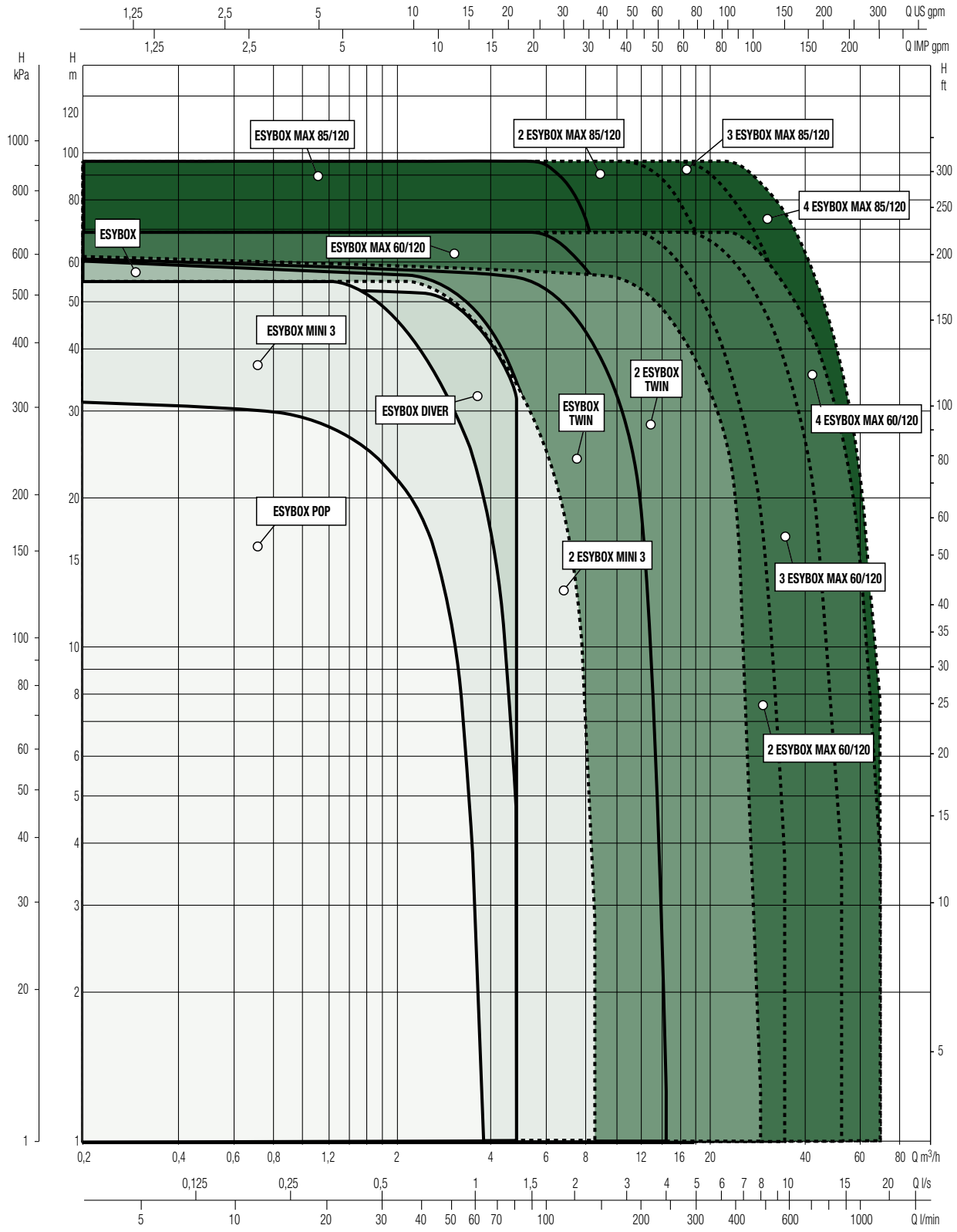
7” ELECTRONIC MULTISTAGE SUBMERSIBLE PUMPS WITH INVERTER



PERFORMANCE RANGE

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.

GRAPHIC SELECTION TABLE



ESYBOX DIVER

7” ELECTRONIC MULTISTAGE SUBMERSIBLE PUMPS WITH INVERTER

REMOTE MONITORING
Via web portal
and H2D App

FOR PROFESSIONALS
AND END USERS



TECHNICAL DATA

Flow rate maximum: 7,2 m^3/h
Head up to: 55 m
Type of pumped liquid: Water Clean, free from solid or abrasive substances, non-viscous, non-aggressive, non-crystallized and chemically neutral
Free passage: 2 mm
Minimum suction depth: 110 mm
Minimum level of water: 35 mm
Liquid temperature range: from 0°C to +50°C
Minimum and maximum ambient temperature: <0°C / +50°C
Maximum immersion depth: 15 m
Adjustable constant pressure: pre-set 3 bar, adjustable from 1 to 5,5 bar
Outlet connection: Threated 1” 1/4
Pump maximum diameter: 185 mm
Set cut-in: 2,4 bar (+- 0,2)
Impeller/s material:
Technopolymer with ring impeller in AISI 304 stainless steel
Maximum number of starts: 60/h
Protection class: IP 68
Non-stop service: yes
Motor insulation class: F
Power cable (m) and plug: 15 m with plug
Single phase power input: 230 V 50 Hz / 60 Hz
Possible type of installation: Fixed, horizontal or vertical. Submerged or semi-submerged. It can be installed on the surface, with positive suction, in a vertical position with the DOC68 accessory (supplied separately).
Special versions on request:
X version with suction kit for suction at a higher level.
Version for drinking water WRAS, ACS, NSF.
Surface version (the DOC68 accessory is required).
Certification:
WRAS, ACS, NSF (only model for drinking water) are pending approval.

7” multi-stage electronic pump with variable speed drive for clean water designed for use in wells, cisterns or tanks. The pump can be used submerged, partially submerged or on the surface (with the appropriate accessory). It is suitable for pressurization, reuse of rainwater, gardening activities and irrigation in residential building service. The pump can also be installed horizontally. Equipped with PLC (PowerLine Communication) and Wi-Fi technology. DConnect Box 2 supplied as standard. There is an X version with 1” union and kit X which includes 1 meter suction pipe and float to prevent the suction of impurities from the bottom. The entire pump is IP 68 certified. With the DOC68 accessory (supplied separately) the pump becomes an IP 68 surface pump to be used in positive suction. Certified version for drinking water available on request.

CONSTRUCTION FEATURES OF THE PUMP

Technopolymer pump body to resist corrosion and oxidation. Integrated non-return valve. Integrated debris filter. Overpressure valve, in case of completely submerged installation, with the freezing of the water in the external pipes, the valve prevents the damage to the pump. On the pump body there is a air-vent valve that improves priming during the first installation or in the event of emptying the tank/well, and a stainless steel handle to move the pump. Integrated 0,04 liter expansion vessel sized to prevent the pump from cycling in the event of small leaks and to compensate for water hammer. No maintenance or recharging is required. The coupling between the three impellers in technopolymer, the floating ring and the smoothing disc both in stainless steel allow a limited wear of the hydraulics and a more precise alignment of the components. Suction height can be adjusted using the appropriate accessory (included): 3.5, 4, 6 or 8 cm.

CONSTRUCTION FEATURES OF THE MOTOR

High efficiency permanent magnet submersible motor cooled by the pumped liquid. hydraulic side of the motor shaft in AISI 303 stainless steel. Double mechanical seal in oil chamber where the seal on the motor side is subjected only to submersible pressure (1 bar), while the other side is subjected to operating pressure (up to 5,5 bar) ensuring that the pump is watertight. Electronically protected motor. Quick coupling/release cable to facilitate installation inside tanks or cisterns. Tear-off power cable connection.

FEATURES OF THE ELECTRONIC

The electronic operation allows the pump to start and stop autonomously Variable speed drive for operation according to the system requirements. Working pressure adjustable from 1 to 5,5 bar and protects against dry running. NFC (Near Field Communication) pocket for the use of a float sensor (supplied separately) which can be connected without opening the pump maintaining a watertight seal. Thanks to the PLC communication technology, the pump transmits data through the power cable to the DConnect Box 2.

DCONNECT BOX 2

Thanks to the DConnect Box 2 and the H_2D service it is possible to check and manage the system pressure, alarms and the amount of residual water in the tank directly from your smartphone or tablet. DConnect Box 2 supplied as standard.

ESYBOX DIVER

7” ELECTRONIC MULTISTAGE SUBMERSIBLE PUMPS WITH INVERTER

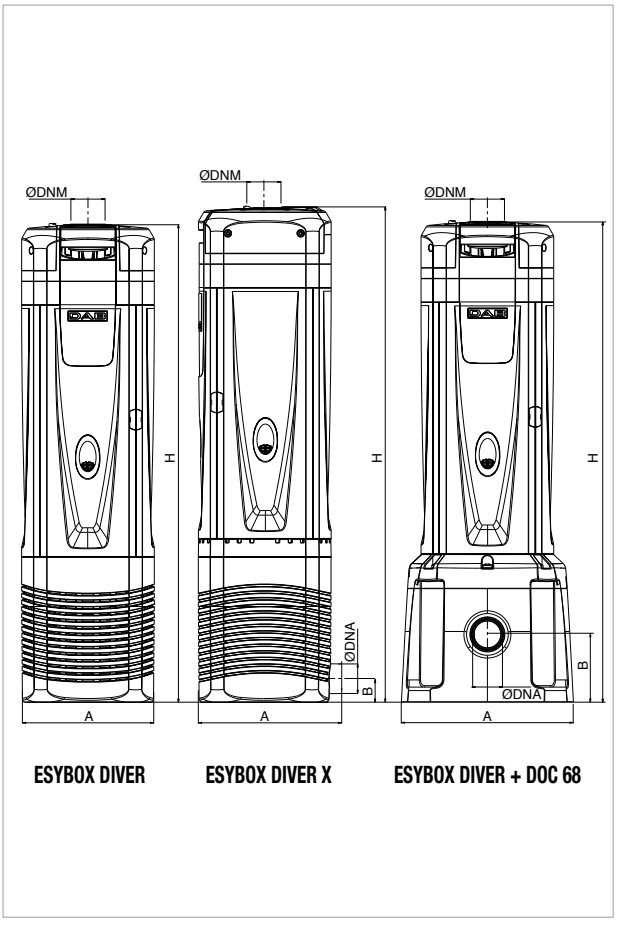
PERFORMANCE AT 50 HZ

MODEL	HYDRAULIC DATA													
	Q=m³/h	0	0,6	1,2	1,8	2,4	3	3,6	4,2	4,8	5,4	6	6,6	7,2
	Q=l/min	0	10	20	30	40	50	60	70	80	90	100	110	120
ESYBOX DIVER	H (mt)	55	55	55	55	55	55	53	44	34	26	17	7,5	
ESYBOX DIVER X		55	55	55	55	55	55	53	44	34	26	17	7,5	
ESYBOX DIVER + DOC 68		55	55	55	55	55	55	53	44	34	26	17	7,5	

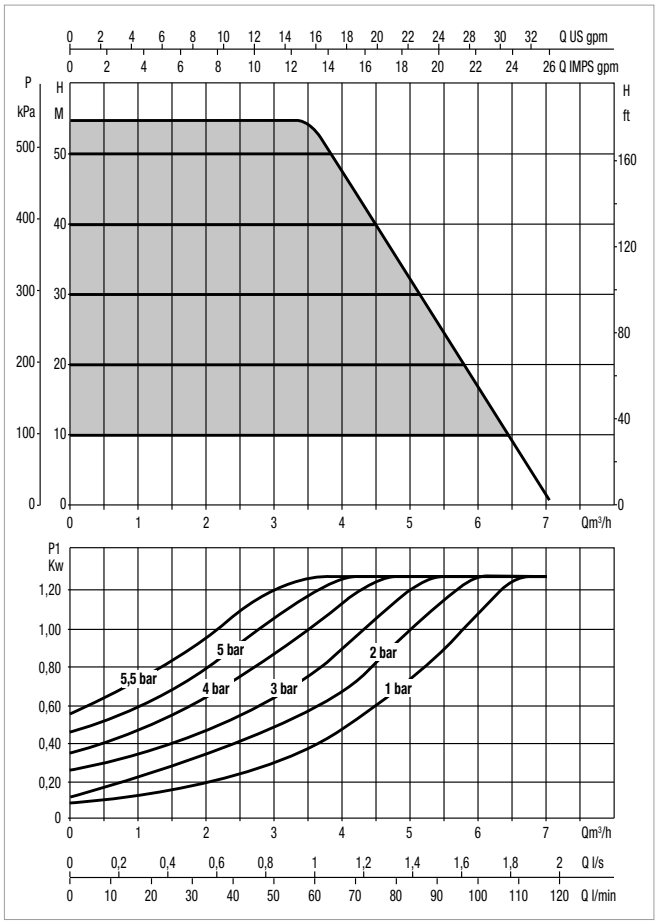
ELECTRICAL DATA AND DIMENSIONS

MODEL	ELECTRICAL DATA					A	B	H	Ø DNM	DNA	PACKING DIMENSIONS			PACKING VOLUME m3	Q.TY X PALLET	WEIGHT kg
	POWER INPUT 50 Hz	P1 kW	P2 NOMINAL kW	P2 NOMINAL HP	In A						L/A	L/B	H			
ESYBOX DIVER	1 x 220-240 V ~	1,3	0,95	1,3	5,5	185	-	651	1" 1/4	-	740	230	300	0,05106	15	17
ESYBOX DIVER X	1 x 220-240 V ~	1,3	0,95	1,3	5,5	195	32	676	1" 1/4	1"	780	230	300	0,0538	15	17
ESYBOX DIVER + DOC 68	1 x 220-240 V ~	1,3	0,95	1,3	5,5	235	92	658	1" 1/4	1" 1/4	382*	306*	178*	0,0208*	30*	3*

*Data referred to the DOC68 accessory only



ESYBOX DIVER **ESYBOX DIVER X** **ESYBOX DIVER + DOC 68**



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.

H_2D DIGITAL SERVICE

THE SMART PLATFORM FOR MANAGING DAB DEVICES REMOTELY

H_2D IS THE DAB PLATFORM - AVAILABLE ON MOBILE AND DESKTOP - THAT PAIRS WITH LATEST-GENERATION DAB DEVICES TO SHOW YOU WHAT'S GOING ON INSIDE YOUR SYSTEMS.

It allows you to configure your pump and optimise its operation remotely, saving time, resources and money.

Ideal for anyone seeking to future-proof their business with solutions designed to improve processes, offer more service, and be environmentally responsible.

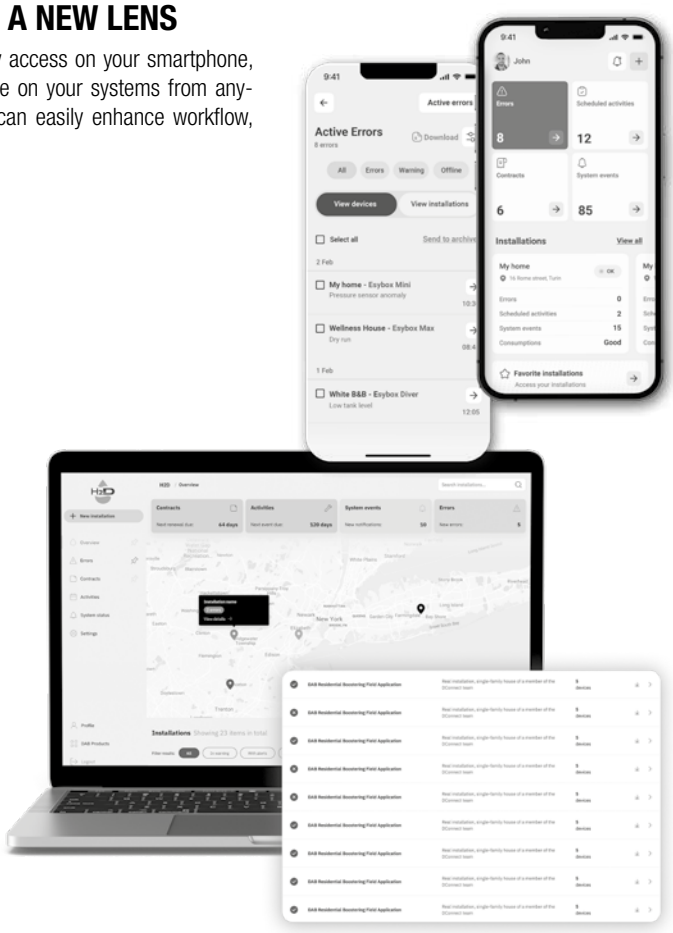


H_2D FOR PROFESSIONALS

H_2D simplifies and streamlines work routines, allowing for precise configuration of all parameters.

SEE THE FUTURE OF YOUR BUSINESS THROUGH A NEW LENS

Desktop and mobile solutions work together seamlessly. With user-friendly access on your smartphone, it's never been easier to communicate with pumps on site or keep an eye on your systems from anywhere. From your desktop, you can dive deeper into data analysis. You can easily enhance workflow, improve customer service, and grow your business.



OPTIMISE TIME AND WORK

H_2D allows systems to be controlled remotely and, where needed, work on site is easier to plan.

PROBLEM FIXED FIRST TIME, EVERY TIME

H_2D provides all the info you need to prepare the job beforehand for a quick and permanent fix, so the technician can get everything done in one go.

LITTLE OR NO DISRUPTION

Remote monitoring allows you to address potential issues and prevent disruptions.

MORE SERVICE AND LESS URGENT CALLOUTS = INCREASED PROFIT

With remote monitoring, we offer a 24/7 service that includes preventive maintenance services, helping to avoid emergencies.

SATISFIED CUSTOMERS

With parameters optimised remotely, the system ensures consistently smooth operation.

FROM DCONNECT TO H_2D

H_2D replaces and improves on DConnect. Latest generation DAB products connect effortlessly to H_2D.

H_2D DIGITAL SERVICE

THE SMART PLATFORM FOR MANAGING DAB DEVICES REMOTELY

H_2D FOR HOMEOWNERS AND END USERS

H_2D is a tool designed to help you manage water use effectively, optimising consumption, costs, and comfort.

OVERVIEW

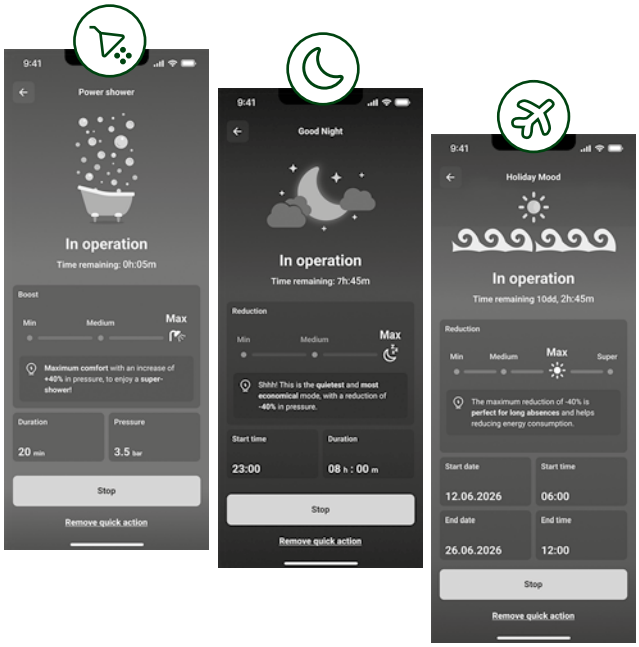
With H_2D monitoring your water usage and device status in real-time is easy and convenient. If any issues arise, you can contact support immediately, regardless of your location.

SMART HOME. TALK TO YOUR ESYBOX!

You can activate comfort modes by speaking to voice assistants like Alexa and Google Home. For example, you can say, “Alexa, activate Power Shower.”

COMFORT FUNCTIONS

You can access these functions through an app, allowing you to customise the system’s performance and features to balance comfort and energy consumption.



POWER SHOWER

Turn a regular shower into a “power shower”: this feature increases water pressure just for the time it takes to shower, while reducing usage for the rest of the day.

GOOD NIGHT

During the night or for a quick nap, you can activate sleep mode, which switches the already quiet pump to a whisper-quiet operation, further reducing energy usage.

HOLIDAY MOOD (Only for Esybox Pop)

This important feature helps minimise device activity, thereby saving energy during vacations or extended periods when you are away.

INSTALL H_2D NOW!

GET IT ON Google Play

Download on the App Store

LEARN MORE
H2D.COM/EN

HOW TO USE H_2D

DAB PUMPS reserves the right to make modifications without notice.

DAB MAKING WATER EASY

	DESCRIPTION
	**NFC LEVEL SENSOR** Connected to the DConnect Box 2, it monitors the water level in the tank and communicates it to the user via the app.

	DESCRIPTION
	**NFC FLOAT** Detects the water level in the tank, preventing the tank from being emptied and the pump from running dry due to too low a water level.
	**SUCTION KIT FOR X VERSION** Combined with the X version, it allows water to be drawn up to a level that prevents the pumping of dust and sludge from the bottom of pits and tanks.
	**DOC68** ConWith DOC68, EsyBox Diver can also be installed outdoors as a surface pump. IP68-certified.

NOTES

NOTES

MAKING WATER EASY
Via Marco Polo, 14 - 35035 Mestrino (PD) Italy - Tel. +39.049.5125000 - Fax +39.049.5125950
www.dabpumps.com

DAB PUMPS SELECTOR

On-line selection tool

DAB PUMPS LTD.
Unit 6 Gilberd Court
Newcomen Way, Severalls Park
CO4 9WN
Colchester
ordersuk@dwtgroup.com
Tel. +44 0333 777 5010

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

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 55 553 2621

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

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

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

DAB PUMPS B.V.
Statenlaan, 4
5223 LA, 's-Hertogenbosch
Nederland
info.nl@dabpumps.com
Tel. +31 416 387280

DAB PUMPS POLAND Sp. z o.o.
Ul. Cieślewskich 35K
03-017 Warszawa - Poland
sprzedaz@dabpumps.com.pl

DAB PUMPS (QINGDAO) CO. LTD.
No.10 Xindong Road
Jiulong Town,
Jiaozhou City
266319 Qingdao (Shandong) - China
sales.cn@dwtgroup.com
Tel. +86 400 186 8280

DAB PUMPS FRANCE SAS
Tour Ariane, Paris la Défense 9
5, Place de la Pyramide
92800 Puteaux - France
info.fr@dabpumps.com
Tel. +33 (0)6 79 63 05 46
+33 (0)7 89 01 53 35

DAB PUMPS INC.
3226 Benchmark Drive
Ladson, SC 29456 - USA
info.usa@dwtgroup.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@dwtgroup.com
Tel. +61 1300 378 677

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

DAB PUMPS CANADA INC.
333 Bay Street, Suite 4600, Toronto,
Ontario, M5H 2S5, - Canada
orders@dwtgroup.ca
Tel. 1-833-322-7867

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

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