



**DOMESTIC PUMPS**  
**NZ PRODUCT BROCHURE 2021**

# DESIGNING AND MANUFACTURING **WATER PUMPING SYSTEMS** FOR OVER 40 YEARS!

With an Italian passion for innovation and quality, DAB has a proven brand reputation for trusted reliability across an extensive range of motor-driven water pumps.

Today, DAB is recognised in Australia, NZ and globally, as one of the leading pump companies in the world. With production of more than 2 million motor-driven water pumps each year, DAB offers a complete line of pumping solutions that meet even the most specific requirements, while ensuring the highest degree of reliability and local technical support.

DAB is a major player in the sector of technologies for the movement and management of our most precious resource, water.



*“Simple and efficient solutions are the biggest types of innovations. The technology of our products speaks the same language of those who buy or use them. This is our strength.”*

**Sandro Stramare**  
DAB Group CEO

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A guide to help you choose the most suitable pump for your application.

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**ESYLINE RANGE**  
Esyline advanced, energy saving, inverter-controlled pumps that communicate with the user.

**7 ESYBOX MINI<sup>3</sup>** Max 80 lpm advanced inverter controlled pump  
**ESYBOX** Max 120 lpm advanced inverter controlled pump  
**ESYBOX DIVER** Max 110 lpm 7" Submersible advanced inverter controlled pump  
**ESYBOX MAX** Max 290 lpm advanced inverter controlled pump

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**14 SUBMERSIBLE ELECTRONIC PRESSURE SYSTEMS**  
Range of pumps with an electronic automatic on/off control with dry run protection for household water supply

**DTRON SERIES** 7" Submersible automatic electronic pressure system pump. Max 90 lpm.  
**DIVERTRON 1200** 7" Submersible automatic electronic pressure system pump. Max 90 lpm.  
**TESLA DIVER** 5" Submersible, professional quality pump for use with external control methods including inverter control.

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**22 SURFACE MOUNTED PRESSURE SYSTEMS**  
Suitable for water supply applications with suction wells and boosting of domestic systems, agricultural and gardening applications.

**JETCOM/JINOX SERIES** Surface mounted, self priming jet pumps with Composite (Jetcom) or Stainless Steel (Inox) pump bodies  
**EUROINOX SERIES** Surface mounted, self priming multistage jet pumps for quiet operation.

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**24 SURFACE MOUNTED PRESSURE SWITCH PUMPS**  
Range of pumps with a mechanical pressure switch for automatic on/off control. Requires connection to a pressure tank.

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**26 MANUAL SURFACE MOUNTED PUMPS**  
Range of bare pumps without controls fitted. Designed for manual operation or to pair with a controller.

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**28 SURFACE MOUNTED JET PUMP CURVES**  
Curves for the Electronic Pressure System range

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Range of pumps for swimming pool applications.

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**31 CIRCULATORS**  
Range of pumps to circulate hot water.

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**33 REFLEX PRESSURE VESSELS**  
Pressure vessels store energy in the form of pressurised water to save energy by reducing pump starts and cycling.

# WHAT PUMP IS FOR WHAT APPLICATION?

## TYPICAL WATER FLOW RATES:

Toilet	9 L/min
Shower	10-15 L/min
Water Saving Shower Head	6-7 L/min
Household Tap	10-15 L/min
Dishwasher	15 L/min
Washing Machine	10-15 L/min
Garden Hose	20 L/min
Lawn Sprinkler	10-15 L/min

There are many different types of pump products needed, covering:

- Domestic pressure pumps with variable speed energy saving devices for constant pressure.
- Domestic pressure pumps with nXt generation pump control technology
- Pumps with rain saving devices to automatically manage water supply changeover
- Hot water pressure boosting circulators
- Submersible pumps for drainage, dirty water and sewage

### ELECTRONIC MULTISTAGE SUBMERSIBLE PUMP WITH FLOAT

**DAB-DTRON2 45/90A**  
Pump for clean water designed for use in wells and tanks. It can be used submerged, partially submerged or on the surface.



### POOL PUMP

**DAB-ESWIM150**  
Suitable for swimming pool water recirculation and filtering systems.



### AUTOMATIC PRESSURISATION SYSTEM

**DAB-ESYBOXMINI<sup>3</sup>**  
Integrated system for water pressure boosting in domestic applications.



### SURFACE MOUNTED MULTISTAGE PUMP

**DAB-EUROINOX30/50M**  
Suitable for domestic use for water supply and pressurisation, irrigation of gardens and moving water in general.



### MACERATOR AUTOMATIC LIFTING STATION

**DAB-GENIX-110**  
Lifting stations are used when toilet, shower, sink or bidet wastewater can not be expelled by gravity



**GENIX**  
WHEREVER YOU DESIRE

See Drainage and Wastewater Brochure

### HEAVY DUTY SUBMERSIBLE PUMP

**DAB-FEKA VS1200MA**  
Suitable for pumping sewer water and waste water in general containing solids up to a maximum size of 50 mm



See Drainage and Wastewater Brochure

### DRAINAGE PUMP

**DAB-NOVA300A**  
Suitable for all dewatering tasks including pumping out sumps, flooded areas and drawing water from wells.



See Drainage and Wastewater Brochure

### HOT WATER CIRCULATING PUMP

**DAB-VS65-150**  
For hot water circulation in domestic systems.



### UNDER BASIN PUMP STATION

**DAB-NOVABOX30-300M**  
Automatic stations for collecting & lifting wastewater from below the level of the sewage network.



See Drainage and Wastewater Brochure

### REFLEX PRESSURE TANK

An energy saving device which stores energy in the form of pressurised water.



Thinking solutions.

### MULTISTAGE SUBMERSIBLE PUMP

**DAB-ESYDIVER 55/120**  
Suitable for pressurisation, rainwater re-use, gardening and irrigation activities in residential applications.



## BENEFITS OF PUMP MATERIALS

### TECHNOPOLYMER



Technopolymer pump bodies do not corrode and make the pump a little quieter and more price competitive. Max pressure 6 bar.

**Pro:** Does not stain stationary water. Pump body is corrosion resistant. Quieter and price competitive.

### STAINLESS STEEL



Stainless steel pump bodies do not rust and look attractive however transmits more noise than other materials.

**Pro:** Does not stain stationary water. Pump body is corrosion resistant. Withstands up to 8 bar.

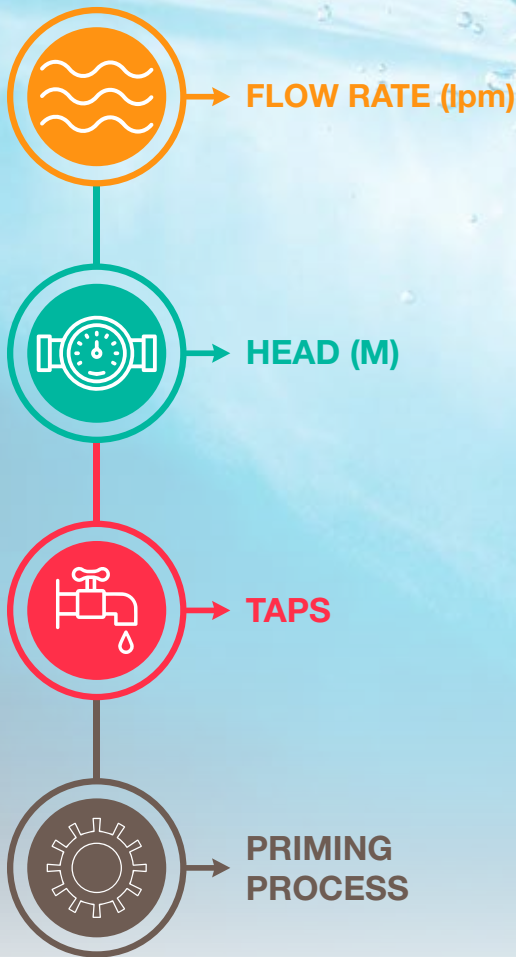
### CAST IRON



Cast iron pump bodies are strong and make the pump quieter, however the iron can stain stationary water. Max pressure 8 bar.

**Pro:** Cast iron damps noise.

# PUMP TERMINOLOGY



Flow rate for domestic pumps is usually expressed as Max Flow which is the maximum flow possible from the pump in litres per minute (lpm).

Head is similar to pressure for domestic pumps and is usually expressed as Max Head (m) which is the maximum head possible from the pump in metres. 10m head is approximately 1bar (14.7 psi). This means that a 30m Max Head pump could pump water 30 metres up in the air or provide a pressure of about 300 kPa. Most houses are limited to 500 kPa. The head determines how much pressure might be available at taps, sprinklers and at the top of a hill.

**Note:** When comparing pump flow rates, it is recommended to look at the pump performance (Flow/Pressure) at 3 bar.

The data often includes the number of taps that the domestic pressure pump is rated to, and is a visual interpretation of the pump's maximum flow rate, each tap being the equivalent to 10 lpm. Actual tap flow rates vary; an interior tap might be 10 lpm, a garden tap might be 20 lpm, washing machines and toilets less than 6 lpm.

All centrifugal pumps need to be primed before initial operation which involves filling the pump body and suction line full of water before starting the pump for the first time. In the case of "self priming" centrifugal pumps, just the pump body needs to be filled with water before initial operation. It is then best to start the pump with a discharge valve closed, then gradually opening the discharge valve to allow increased water flow.

## BENEFITS OF PUMP CONTROL TYPES



### PRESSURE SWITCH & TANK SYSTEMS

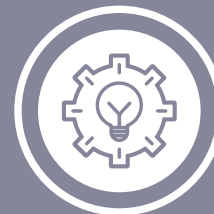
- Less pump starts when fitted with a correctly sized tank
- Reduced power consumption
- Reduced wear and tear
- Can handle poor voltage
- Adjustable differential
- Brass hardware and gauge

**Note:** Pressure switch provided has no dry-run protection function



### ELECTRONIC PRESSURE SYSTEMS

- Runs without cycling down to low flows
- Dry Run Protection
- Auto restart in case of running out of water
- Pressure gauge
- Digital display (NXT all models)
- Dual mode (NXTP)



### INVERTER DRIVE (VARIABLE FREQUENCY DRIVE) PUMPS

- Potential for large energy savings
- Numerous pump protection functions
- Smooth operation
- Dry Run Protection
- Digital display
- Auto restart in case of running out of water
- Runs without cycling down to low flows

# PUMP SELECTION GUIDE

## 1. REQUIREMENT

- Household supply
- Tank filling / Transfer / Troughs
- Garden sprinkler(s)
- Irrigation

## 2. WATER SOURCE

- Dam
- River
- Shallow well
- Tricklefeed
- Above ground tank
- In ground tank
- Town mains (if pump being used to boost pressure)

## 3. POWER SUPPLY

- 240V Mains
- Generator
- Off grid / Solar

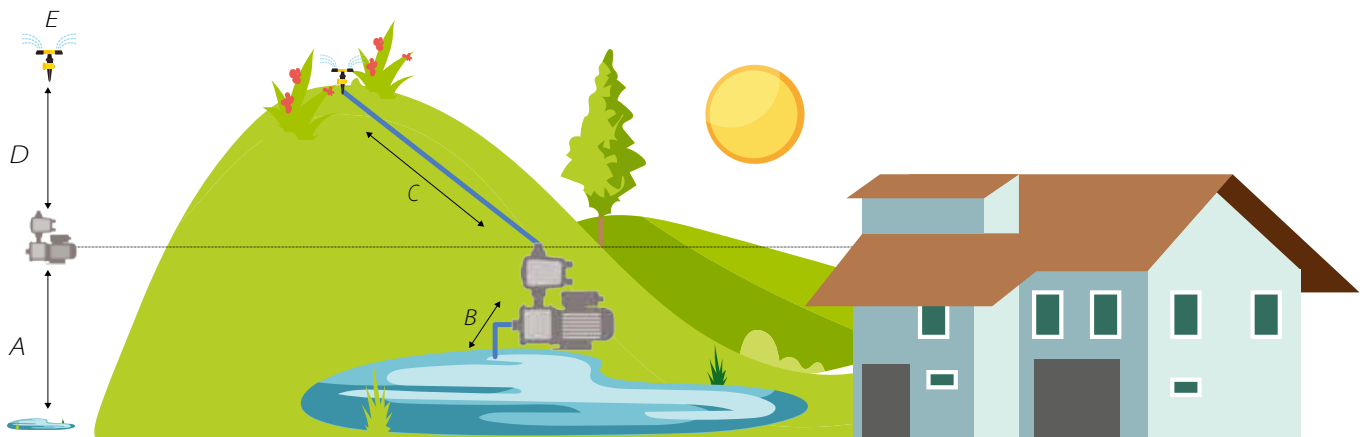
## 4. APPLICATION (SEE DIAGRAM)

### SUCTION PIPE (FROM WATER SUPPLY TO PUMP)

- A)** Height from water to pump (vertical) \_\_\_\_\_ metres  
(allow for drops in water level if below pump)
- B)** Pipe length (horizontal) \_\_\_\_\_ metres  
Type of pipe \_\_\_\_\_  
Diameter of pipe \_\_\_\_\_ mm  
My water supply is above  or below  pump inlet

### DELIVERY PIPE (FROM THE PUMP TO THE APPLICATION)

- C)** Pipe length (horizontal) \_\_\_\_\_ metres  
Type of pipe \_\_\_\_\_  
Diameter of pipe \_\_\_\_\_ mm  
My application is 1  2  3  levels high
- D)** Height of pipe to discharge \_\_\_\_\_ metres
- E)** Demand pressure  Low  Normal  High
- F)** Use  Batch / Cottage / Single dwelling  
 Small house  Medium House  Large house  
 Large house with some light irrigation



# SAVE MONEY – SAVE ENERGY

## THE NEWEST INNOVATION IN ELECTRONIC PRESSURE SYSTEMS

Esyline is a complete line of electronic booster pump solutions that redefines the rules of residential water pressurisation, designed to create a modular and flexible solution that meets a wide range of applications from a small residence to a large complex of apartments.



### ANTI-FREEZE PROTECTION



#### COMFORTABLE

- GUARANTEES CONSISTENT WATER PRESSURE
- ULTRA LOW NOISE
- NO VIBRATIONS
- REDUCED ENERGY CONSUMPTION

#### VERSATILE

- EXTREMELY COMPACT SIZES
- INSTALLATION OPTIONS: HORIZONTAL, VERTICAL
- WALL INSTALLATION THANKS TO E.SYWALL

#### SIMPLE

- QUICK TO INSTALL
- EASY TO ADJUST
- EQUIPPED WITH A LARGE DISPLAY
- EASY MAINTENANCE



#### FLEXIBLE INSTALLATION

Horizontal or vertical, Esybox can be installed virtually anywhere inside the home



#### EASY TO READ DISPLAY

A 70 X 40mm LCD display allows for the easy customisation of settings



#### SOUND PROOF ENCLOSURE

ABS material soundproofs the pump and reduces noise level



#### OPTIMAL ENERGY USE

Inverter technology allows the Esybox & Esybox Mini<sup>3</sup> to find the best operating point of the pump, saving energy and money



#### ANTI-VIBRATION FEET

Moulded to absorb vibration and noise from the Esybox & Esybox Mini<sup>3</sup>, making them quieter than ever



#### FLOW AND PRESSURE SENSORS

Seamlessly integrated electronic pressure and transducer & flow sensor at the delivery



#### ENERGY EFFICIENT

- Variable speed inverter maintains **CONSTANT PRESSURE** using less energy under low flows
- The Esybox is an all-in-one **HIGH EFFICIENCY** pump and control solution
- **SAVE POWER**



#### DESIGNED FOR DOMESTIC & RESIDENTIAL USE

- **SLEEK DESIGN** allows for quick and easy horizontal or vertical installation
- Easy to use **LCD DISPLAY** to customise settings and track energy savings
- **ULTRA COMPACT** - 30% space saving!



#### EASY MAINTENANCE

- Technical compartment for **EASY ACCESS** to rotor shaft, vertical filling plug and expansion tank
- Has a **PRACTICAL HOUSING** for maintenance tools and instruction manual
- **EASY TO SERVICE** internal non-return valve with special tool provided



#### SILENT OPERATION

- **ULTRA LOW NOISE** by water cooled motor & sound proof casing to 45dB
- **ANTIVIBRATION FEET** absorb any noise to prevent vibrations
- **WIRELESS CONNECTION** (Esybox only) for multiple pump installs

# VARIABLE SPEED PRESSURE SYSTEM

## E.sybox mini<sup>3</sup>

Esybox Mini<sup>3</sup> is the DAB compact automatic pressurisation system for the water supply of a single dwelling. Esybox Mini<sup>3</sup> guarantees the comfort of constant pressure (Pressure Set Point adjustable from 1 up to 5.5 bar) inside the system, and energy savings thanks to the inverter technology. Esybox Mini<sup>3</sup> does not require any additional components for its installation. Suitable for use with potable water in domestic systems and gardening applications.

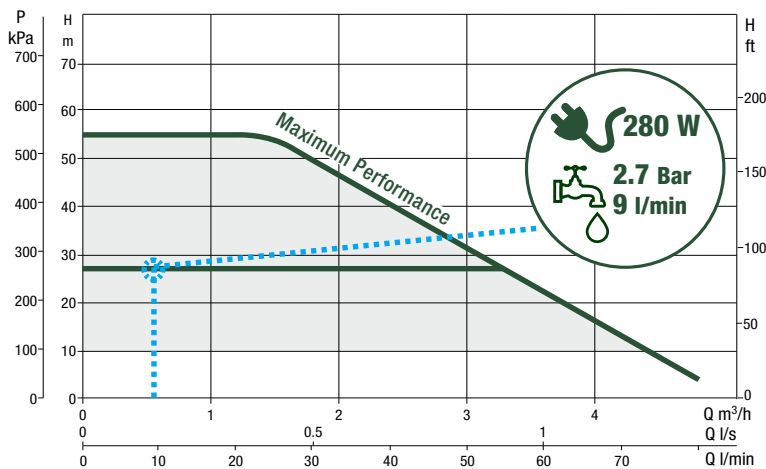
### FEATURES:

- ◆ Better energy saving
- ◆ Easy adjustment display
- ◆ Constant pressure for maximum comfort
- ◆ Ultra low noise
- ◆ Easy to use
- ◆ Compact design
- ◆ Integrated - All in 1 - With the exception of the suction and delivery pipes, it doesn't require any additional components for installation.

### APPLICATIONS:

- ◆ Apartment or small residence (eg. up to 3 floors, 2 bathrooms & 50m<sup>2</sup> garden)
- ◆ Pumping water from:
  - Wells down to 8m deep
  - Rainwater collection tanks
  - Tanks
  - Mains pressure boosting

### PERFORMANCE CURVE:



Operating Conditions	
Maximum System Pressure	7.5 Bar (750 kPa)
Maximum Operating Pressure	5.5 Bar (550 kPa)
Liquid Temperature	0° to + 40° C
Maximum Ambient Temperature	+50° C
Electrical Data	
Voltage	240V 50 - 60Hz
Protection Level	IP X4
Insulation Class	F
Construction	
Materials	Composite outer casing Stainless steel shaft Technopolymer impeller and diffusers

### CERTIFICATIONS & WARRANTY



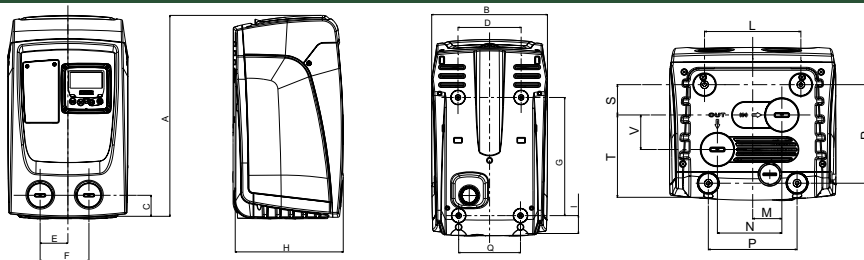
Now with 3 impellers for better performance and lower speed motor for quieter performance down to 45 dB



Part Number	Item Code	P1 kW	1 ph In A	Water Temp °C	Connections		Dimensions			Taps*
					Inlet	Outlet	W	L	H	
DAB-E.SYBOXMINI <sup>3</sup>	805406	0.85	4.8	40	1" BSPF	1" BSPF	236	263	439	8

\*Taps calculated at 10 lpm

### DIMENSIONAL DRAWING (mm):



MODEL	A	B	C	D	E	F	G	H	I	L	M	N	P	Q	R	S	T	V	PACKING DIMENSIONS			GROSS WEIGHT Kg
																			PUMP UNIT			
																			L	W	H	
E.SYBOX MINI <sup>3</sup>	439	263	46	143	60.7	106.7	279.5	236	40.5	152	46	101.7	140	140	155.5	47.8	133	54.5	300	500	320	14.6



# VARIABLE SPEED PRESSURE SYSTEM

## esybox

Leading the way in electronic pump technology, the Esybox is a new solution in domestic water supply. Esybox is an automatic pressurisation system for water supply which guarantees the comfort for maximum pressure. Suitable for use with potable water, in domestic systems and gardening applications.

### FEATURES:

- 💧 A self-priming multi-stage pump
- 💧 Variable frequency drive
- 💧 Electronics for control and management
- 💧 Pressure and flow sensors
- 💧 High-resolution LCD display
- 💧 2 Litre integrated expansion vessel
- 💧 Flexible installation - can be installed horizontally or vertically
- 💧 Powerful performance flow up to 2 l/sec and head up to 6 bar
- 💧 Self priming up to 8 metres
- 💧 Dry run protection to stop pump damage if no water is present
- 💧 2 Litre expansion tank protects against thermal fluctuations and reduces pump starts
- 💧 Over/under voltage protection and over current protection
- 💧 Wireless connectivity facilitates the creation of pressure booster sets and connection to other DAB devices

### APPLICATIONS:

- 💧 Houses and small apartment complexes (eg. up to 6 floors and a maximum of 9 apartments)
- 💧 Pumping water from:
  - Wells down to 8m deep
  - Rainwater collection tanks
  - Tanks
  - Mains pressure boosting

### OPERATING CONDITIONS

Maximum System Pressure	Max. 8 bar (800 kPa)
Maximum Operating Pressure	6 Bar (600 kPa)
Liquid Temperature	0°C to +40°C
Maximum Ambient Temperature	+50°C

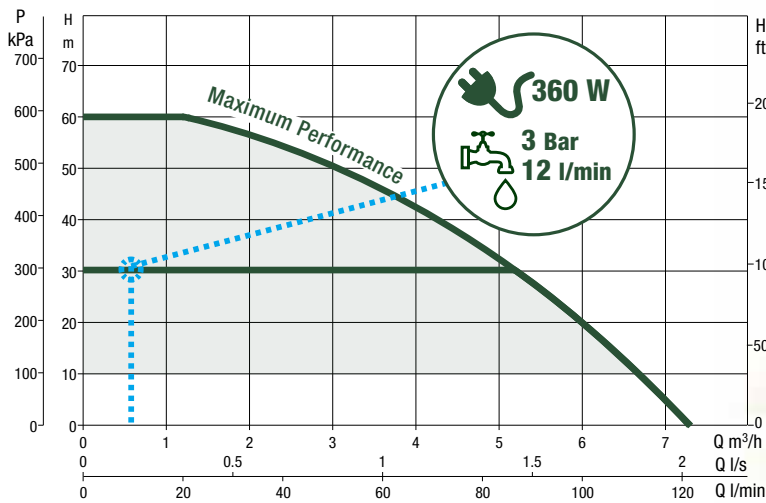
### ELECTRICAL DATA

Voltage	240V 50 - 60Hz
Protection Level	IP X4
Insulation Class	F

### CONSTRUCTION

Materials	Composite outer casing Stainless steel shaft Technopolymer impeller and diffusers
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### PERFORMANCE CURVE:



**HANDY TIP**  
Get the DAB-ESYDOCK to dock and un-dock the ESYBOX in seconds for easy maintenance

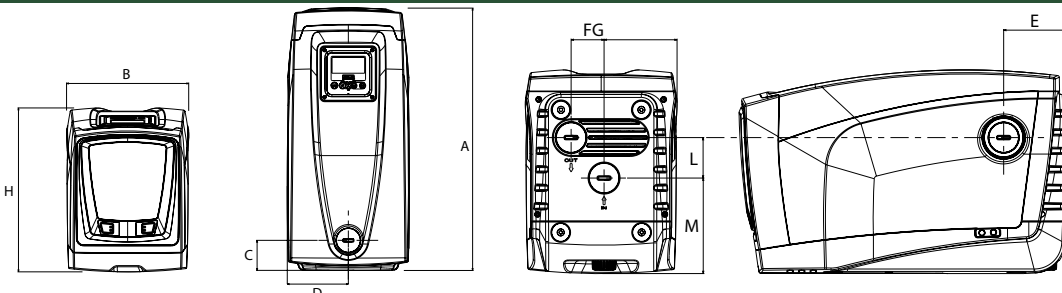
### CERTIFICATIONS & WARRANTY



Part Number	Item Code	P2 kW	1 ph In A	Water Temp °C	Connections		Dimensions			Taps*
					Inlet	Outlet	W	L	H	
DAB-E.SYBOX	800621	1.55	10	0/40	1"BSPP	1"BSPP	263	362	564	12

\*Taps calculated at 10 lpm

### DIMENSIONAL DRAWINGS (mm):



MODEL	A	B	C	D	E	F	G	H	L	M	PACKING DIMENSIONS			GROSS WEIGHT Kg
											L	W	H	
E.SYBOX	564	263	65	131.5	106	57	126.2	362	70	165.2	685	360	490	27

Disclaimer: Every effort has been made to publish the correct details in this brochure. No responsibility will be taken for errors, omissions or changes in product specifications.

# VARIABLE SPEED SUBMERSIBLE PUMP



WATER • TECHNOLOGY

## ESYBOX DIVER



The new Esybox Diver variable speed submersible pump guarantees benefits for installers and end users to help save space, energy, time and money thanks to DAB's technical and technological expertise. Suitable for pressurisation, rainwater re-use, gardening and irrigation activities in residential building service.

The Esybox Diver is a 7 inch multi-impeller electronic pump with variable frequency drive to be used for clean water applications such as wells and tanks.

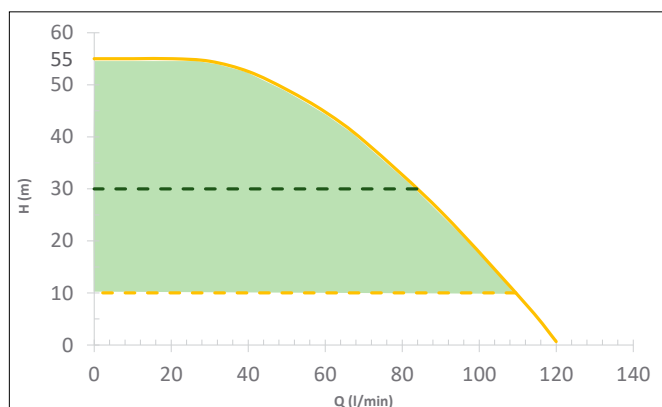
The pump can be used submerged, partially submerged or out of the tank with the DOC68 accessory (supplied separately).



### FEATURES:

- 💧 Integrated non-return valve
- 💧 Stainless steel handle for easy transport
- 💧 Adjustable suction height up to 8cm
- 💧 Connectable float (optional accessory)
- 💧 Water level sensor (optional accessory)
- 💧 NFC (Near Field Communication) pocket
- 💧 Built in expansion tank
- 💧 Wi-Fi enabled (offsite access via subscription service)
- 💧 DConnect Box 2 so you can control the pump from your smart device

### PERFORMANCE CURVE:



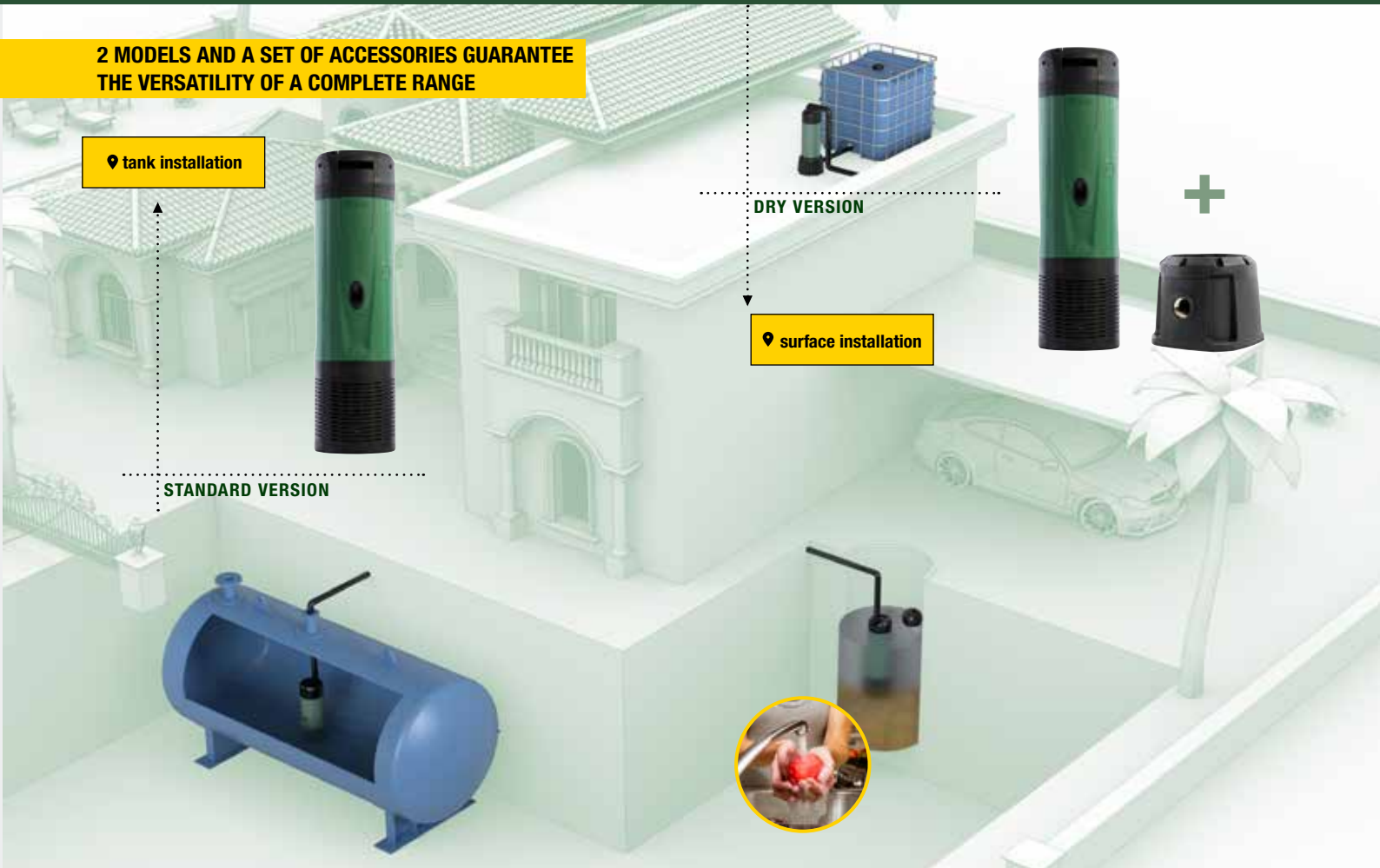
### WARRANTY, RATINGS & CERTIFICATIONS



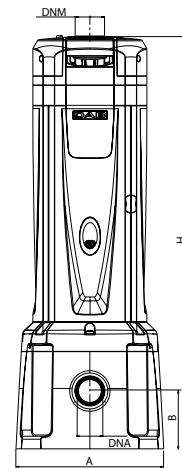
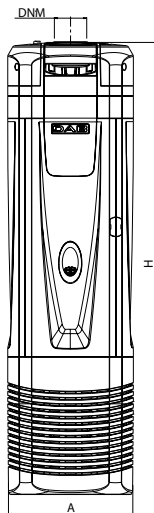
Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Taps	Power Cable (m)
DAB-ESYBOXDIVER 55/120	808452	1.25	1.3	240	55	120	12	15
<b>Accessories</b>								
DAB-FLOAT	808453	Float for stopping the pump						
DAB-DOC68	808454	Dock for dry mount conversion kit						
TANK WATER LEVEL SENSOR	808455	Measure water left in the tank						

# VARIABLE SPEED SUBMERSIBLE PUMP

2 MODELS AND A SET OF ACCESSORIES GUARANTEE THE VERSATILITY OF A COMPLETE RANGE



## DIMENSIONAL DRAWINGS (mm):



MODEL	A	H	Ø DNM	Ø DNA	PACKING DIMENSIONS			WEIGHT Kg
					L	W	H	
ESYBOX DIVER	185	651	1" ¼	Strainer	740	230	300	17

MODEL	A	B	H	Ø DNM	Ø DNA	PACKING DIMENSIONS			WEIGHT Kg
						L/A	L/B	H	
ESYBOX DIVER + DOC 68	235	92	658	1" ¼	1" ¼	382*	306*	178*	3*

\*Data referred to the DOC68 accessory only

## DCONNECT



- The DConnect Box 2 allows access to the DAB cloud service. With the new App, you can manage and monitor the pressure of the system, the alarms and the residual availability of water in the tank directly from your smartphone or tablet, wherever you may be!
- ESYBOX Diver is, in this way, the first submersible pump to have a display.
- Subscription fees apply.



DCONNECT BOX 2

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# VARIABLE SPEED PRESSURE SYSTEM

## esybox max

Esybox Max is the latest innovation in the DAB Esyline range. Integrated pumping systems for pressurisation in commercial building services industry and for rural and horticultural applications. Available in two power sizes, it consists of modular elements that allow different configurations to cover the needs of large residential, medium/large apartments and high rise buildings (even over 14 floors).

Each unit consists of the hydraulic connection base and the pumping unit which includes an electronic vertical multi-impeller pump, display, Wi-Fi module, pressure sensors, non-return valve on delivery and an expansion tank. The innovative support base of the pumping unit and the wireless communication between the pumps make it possible to assemble the unit directly at the installation site, even by one person. The variable frequency drive keeps the pressure constant according to the load and thanks to the water-cooled permanent magnet motor, it allows greater efficiency, silence and energy savings.

### FEATURES:

- Easy to maintain and operate remotely\*  
\*Compatible with the DConnect service.
- Silent operation and compact
- Integrated inverter optimises performance and comfort which saves you money
- Constructed with recycled materials wherever possible
- Water cooled permanent magnet motor

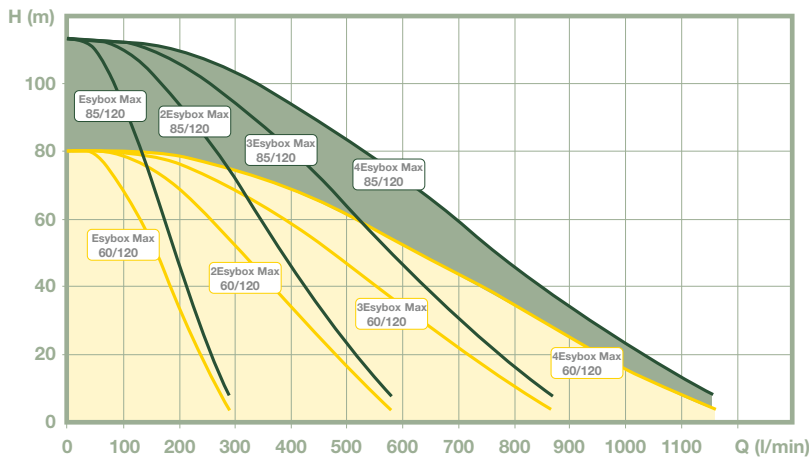
### APPLICATIONS:

- Large residential households
- Farms & rural properties
- Apartments (eg. 10 floors, 20 apartments)
- Commercial & building services (Hospitals, hotels & wineries)

### CERTIFICATIONS & WARRANTY

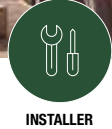


<b>Flow rate:</b>	Up to 290 lpm (for single unit)
<b>Head:</b>	113 m
<b>Liquid temperature:</b>	+50°C
<b>Maximum ambient temperature:</b>	+55°C
<b>Maximum inlet pressure:</b>	5 Bar
<b>Operation pressure:</b>	12 Bar / 1200 kPa Max
<b>Constant pressure range:</b>	1-12 Bar (3 bar by default)
<b>Motor protection class:</b>	IPX5
<b>Motor insulation class:</b>	F
<b>Impeller material:</b>	Technopolymer
<b>Single phase power input:</b>	208-240V 50/60 Hz
<b>Three phase power input:</b>	380-480V 50/60 Hz
<b>Type of installation:</b>	Fixed In Vertical Position
<b>Type of pumped liquid:</b>	Clean, Free From Solid Or Abrasive Substances, Non-Viscous, Non-Aggressive, Non-Crystallised and Chemically Neutral



Part Number	Item Code	kW	HP	Max Head (m)	Max Flow (lpm)	Inlet (BSPF)	Outlet (BSPF)	Taps	Power Cable	Volts (V)
<b>ESYBOX MAX PUMP AND DOCK KIT</b>										
DAB-1ESYBOX MAX 60/120M	809535	2.68	3.6	80	290	1"¼ - 2"	1"¼ - 2"	29	3pin 15A	240
DAB-1ESYBOX MAX 60/120T	809536	2.65	3.5	80	290			29	N/A	415
DAB-1ESYBOX MAX 85/120T	809537	3.5	4.7	113	290			29	N/A	415
DAB-2ESYBOX MAX 60/120M	809538	2 x 2.68	2 x 3.6	80	580			58	2 x 3pin 15A	240
DAB-2ESYBOX MAX 60/120T	809539	2 x 2.65	2 x 3.5	80	580			58	N/A	415
DAB-2ESYBOX MAX 85/120T	809540	2 x 3.5	2 x 4.7	113	580			58	N/A	415
DAB-3ESYBOX MAX 60/120M	809541	3 x 2.68	3 x 3.6	80	870			87	3 x 3pin 15A	240
DAB-3ESYBOX MAX 60/120T	809542	3 x 2.65	3 x 3.5	80	870			87	N/A	415
DAB-3ESYBOX MAX 85/120T	809543	3 x 3.5	3 x 4.7	113	870			87	N/A	415

# VARIABLE SPEED PRESSURE SYSTEM



## Easy to move & install

Keeping it flexible, we have the On-Site Assembly concept. So if you have difficulties getting to the pumps location, due to narrow stairways and corridors etc, you can choose to assemble your booster on-site which will only require moving smaller lighter boxes into the location then carry out our quick assembly steps.

As quick as a “click”  
Install Eskydock into your pipework system and simply “plug” your pumps in. A final quick set up via the digital DConnect app completes your installation project.



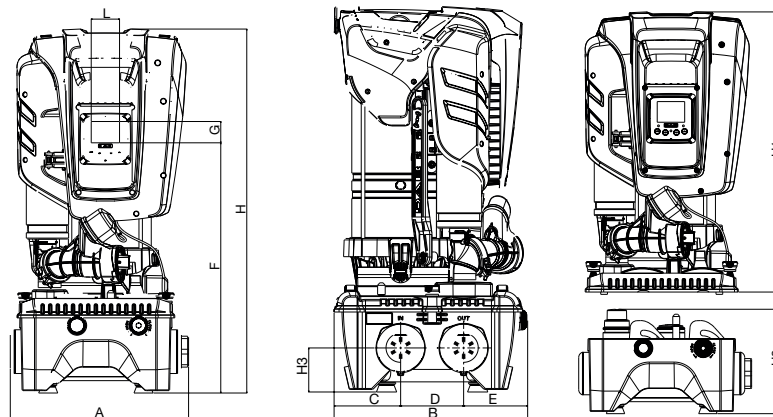
## D+CONNECT

Based on state-of-the-art technology, DConnect offers many advantages than typical BMS (Building Management Systems). Performance Data storage and Remote monitoring support you to control and be sure, from anywhere, that the running parameters of the pumps follow exactly your project specification avoiding any possible trouble.



Each unit consists of the single, double or triple connection base and the pumping units. **A four pumps system is available with the additional kit to connect two double bases.**

## DIMENSIONAL DRAWINGS (mm):



MODEL	A	B	C	D	E	F	G	H	HI	H2	H3	L	PACKING DIMENSIONS*			WEIGHT* PUMP UNIT Kg	PACKING DIMENSIONS DOCK			WEIGHT DOCK Kg
													PUMP UNIT				DOCK			
													L	W	H	L	W	H		
ESYBOX MAX 60/120	375	384	131.8	124.5	127.7	526	45	766	613	228	87	59.5	400	380	800	29	400	400	250	9
ESYBOX MAX 85/120																				

\* Weights and packaging dimensions refer to a pump unit

## ACCESSORIES

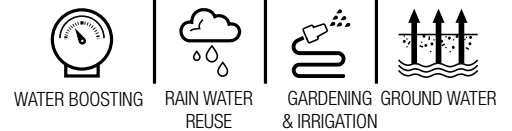
<b>DAB-E2G5.2M</b>	<b>809529</b>	Optional Electrical connection panel for 2 single phase Eskybox Max pumps complete with magnetothermic switches for powering multi-pump units. It can be installed on the wall or directly to Eskybox Max units using the dedicated pillar kit.
<b>DAB-E2G7T</b>	<b>809530</b>	Optional Electrical connection panel for 2 three phase Eskybox Max pumps complete with magnetothermic switches for powering multi-pump units. It can be installed on the wall or directly to Eskybox Max units using the dedicated pillar kit.
<b>DAB-E3G10.5T</b>	<b>809531</b>	Optional Electrical connection panel for 3 three phase Eskybox Max pumps complete with magnetothermic switches for powering multi-pump units. It can be installed on the wall or directly to Eskybox Max units using the dedicated pillar kit.
<b>DAB-MAX KIT PILLAR</b>	<b>809532</b>	Useful for mounting the control panel EG on board of the 2 or 3 Eskydock max. The pillar consists of a column, a bolt and a lower clamping bracket (all in steel).
<b>DAB-MAX ESY I/O</b>	<b>809533</b>	The electronic expansion module allows Eskybox Max to interface with the external input/output devices (eg: float switch, pressure switch, remote alarm) and with the BMS world (Building Management System).
<b>DAB-ESYBOX MAX JOINT KIT</b>	<b>809534</b>	Kit consisting of 2 pieces of 3-piece unions and 2 pieces of 2" nipples to connect the delivery and suction of a pair of 2 eskydock max to create 4-unit Eskybox max groups.

Disclaimer: Every effort has been made to publish the correct details in this brochure. No responsibility will be taken for errors, omissions or changes in product specifications.

# ANOTHER STEP FORWARD!



# DTRON



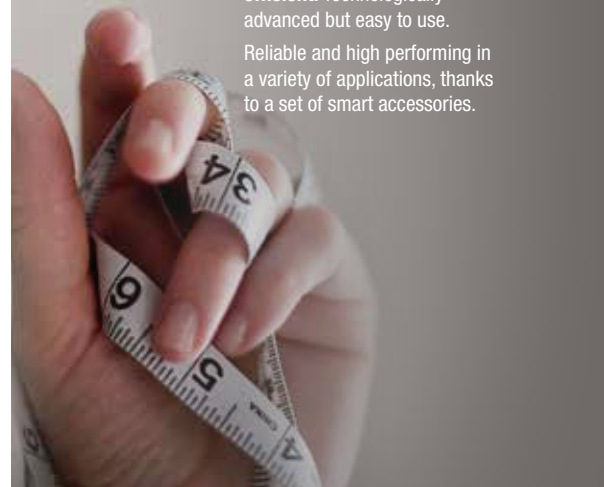
## EXPERIENCE AND INNOVATION

43 years of experience. An unstoppable drive for innovation. A constant communication with all markets. This is the ecosystem in which DAB's products are created and evolve.

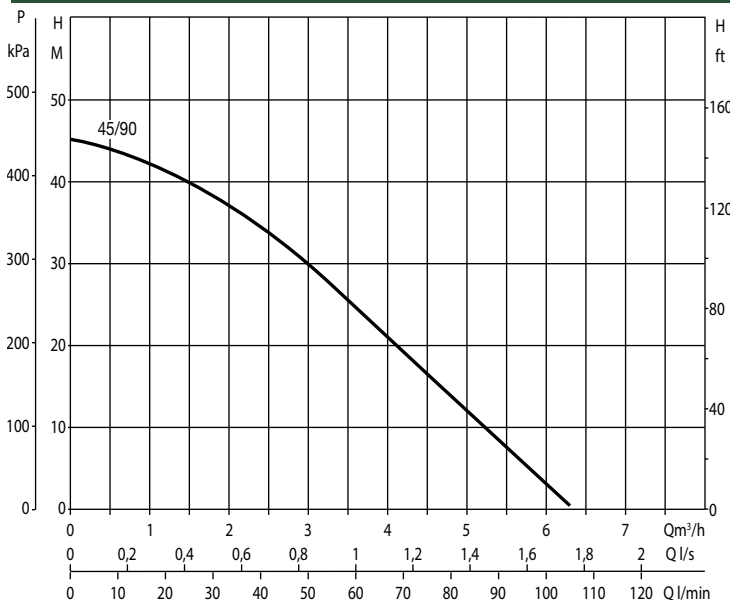
The DTron series is evidence of this: **an important step towards redefining the characteristics of submersible pumps**, in the safe hands of a market leader.

DTron 2 and DTron 3 were born out of a desire to create a range of pumps that could be "easy" but also **extremely efficient**. Technologically advanced but easy to use.

Reliable and high performing in a variety of applications, thanks to a set of smart accessories.



### PERFORMANCE CURVE:



### WARRANTY, RATINGS & CERTIFICATIONS



Part Number	Item Code	Float (Yes/No)	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Taps*	Power Cable (m)	Outlet (BSPF)
DAB-DTRON2 45/90A	808869	Yes	0.93	0.8	240	45	105	10	15	1" ¼
DAB-DTRON3 45/90	808459	No								
<b>Accessories</b>										
DAB-FLOAT	808453		Float for stopping the pump							
DAB-DOC68	808454		Dock for dry mount conversion kit							
TANK WATER LEVEL SENSOR	808455		Measure water left in the tank (DTron3 only)							
DAB-DCONNECTBOX2	808456		Control that monitors the pump status through the app (DTron3 only)							

\*Taps calculated at 10 lpm

# ELECTRONIC PRESSURE SYSTEMS

## DTRON

The DTron 2 and DTron 3 were born out of a desire to create a range of pumps that could be “easy” but also extremely efficient. Technologically advanced and easy to use. Reliable and high performing in varied applications, supported by a set of smart accessories.



MAXIMUM NUMBER OF FLOORS	WATER PRESSURIZATION		IRRIGATION
	SMALL APARTMENT with 1 bathroom	LARGE APARTMENT with 2 bathrooms + garden	STATIC SPRINKLERS RANGE 4m Flow rate: 6 lpm in Operating pressure: 2.4 bar
MAXIMUM NUMBER OF APARTMENTS			
MAXIMUM NUMBER OF SPRINKLERS			
DTRON 2	1	3	10
DTRON 3	2	2	
<b>45/90</b>	3	2	
	4	1	

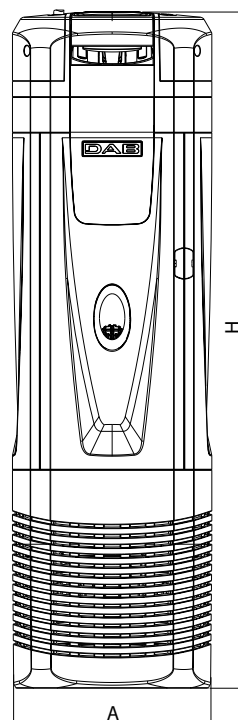
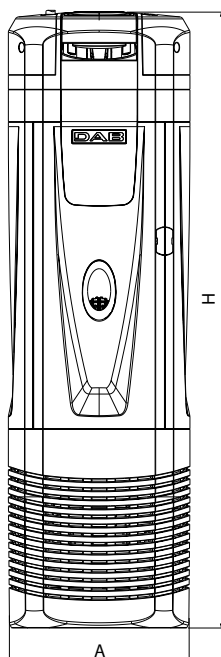
\* The table is indicative and based on average values. To ensure optimal sizing, perform a careful assessment of the specific system.

### DTRON 2 DTRON 3

TECHNICAL DATA:	
MAXIMUM FLOW RATE	Up to 105 lpm
MAXIMUM HEAD	Up to 45m
P1	Up to 1kW
P2 NOMINAL	Up to 0.67kW (0.9HP)
MAXIMUM IMMERSION DEPTH	12m
MAX AMBIENT AND LIQUID TEMPERATURE:	+50°C
FACTORY CUT-IN:	2.4 bar (±0.2)
DELIVERY FLANGE OR THREAD:	Threaded from 1" ¼
PUMP MAXIMUM DIAMETER:	185 mm
DIMENSIONS:	DTron 2: 611 x 185mm DTron 3: 651 x 185mm

FEATURES:	DTRON 2	DTRON 3
Integrated expansion vessel	•	•
Kit X - suction hose	optional	optional
Float - low level cut off	•	optional
Water level measurement (DCONNECT BOX 2 required)	N/A	optional
DOC68	optional	optional
Com Box	N/A	•
DCONNECT BOX 2 (upgrade option)	N/A	optional
IP68	•	•
Carry handle	•	•
Resistance to high and low temperatures	•	•
Certified for drinking water	•	•

### IMENSIONAL DRAWINGS (mm):



MODEL	A	H	PACKING DIMENSIONS			WEIGHT Kg
			L	W	H	
DAB-DTRON2 45/90A	185	611	740	230	300	11.4

MODEL	A	H	PACKING DIMENSIONS			WEIGHT Kg
			L	W	H	
DAB-DTRON3 45/90	185	651	780	230	300	11.6

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## DTRON ESYBOX DIVER

### NEW RANGE



#### DOC68

**Maximum flexibility of installation.**

With this accessory and IP68 certification, the DTron pumps can be installed even out of water and used like real traditional booster pumps.



#### FLOAT

Detects the level of water in a tank, preventing emptying of the tank and avoiding dry running due to low water level.

**Included on DTron 2**



#### WATER LEVEL SENSOR

Connected to the DConnect Box 2, the sensor notifies the user of the water level via an App **only for DTron 3.**



DTron is DAB's new line of electronic on/off submersible pumps for water pressurisation in residential environments.

Two models, the DTron 2 and DTron 3, together with a set of fully integrated and modular accessories, represent a choice of solutions for all uses in disparate types of installations.



WATER BOOSTING



GARDENING & IRRIGATION



RAIN WATER REUSE



GROUND WATER





## INTEGRATED VESSEL

**Quick and simple installation. A streamline and more compact system. Greater reliability over time.**

The expansion vessel prevents it from restarting unnecessarily, provides protection against hammering effects and extends the life of the pump. This integrated component clearly allows for quicker installation.



## BLEED VALVE

The bleed valve allows immediate priming upon initial installation and guarantees correct operation of the pump at all times.



## SIMPLER MAINTENANCE

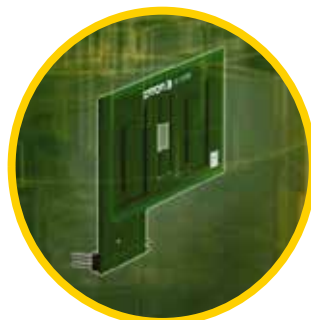
**Modular and functional construction.**

The modular components of the pump make it easier to perform maintenance. The parts can be removed, repaired and replaced separately, simplifying the resolution of any issues and reducing maintenance costs.



## COM BOX

The Com Box allows you to change the pump's pressure settings and view any alarms. No direct connections with the pump PLC (Power Line Communication) are required. **Only for DTron 3**



## NFC AND PLC TECHNOLOGIES

**Simple and constant control of the pump. Maximum ease and autonomy of installation of the accessories.**

NFC (Near Field Communication) permits use of pumps with float switch and water level sensor without the need for any additional wiring.

PLC (Power Line Communication) permits use of the Com Box electronic control device not through any physical connection but via the power input line.

# ELECTRONIC PRESSURE SYSTEMS

## Submersible Pressure Pump

Multistage submersible pump with built in integrated electronics, designed to automatically start and stop the pump. Built in electronic board, pressure switch, flow sensor and return valve. Anti-corrosive and high resistant constructive materials. Ideal pump for tank installations and domestic water supply. Simple to install, quiet and dependable. Ideal for use in rain water systems and watering networks, to pump water from water tanks, ponds and wells and for other applications requiring high pressure.

### FEATURES:

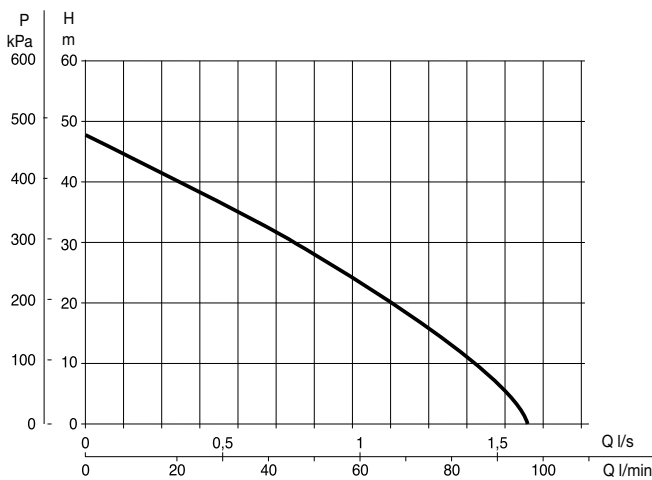
- 💧 Incorporates an electronic automatic restart pump control with dry run protection
- 💧 Fully automatic operation
- 💧 In-built non-return valve and flow sensor
- 💧 Supplied wired and ready to install
- 💧 Quiet operation
- 💧 Simple installation
- 💧 Ideal for dense urban areas
- 💧 Does not require external pump control
- 💧 240V single phase motor with in-built auto reset thermal overload
- 💧 15m power cable
- 💧 Dry-run protection
- 💧 Max immersion depth: 12m



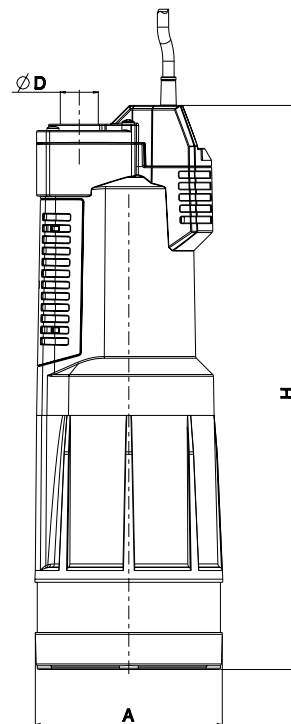
### CERTIFICATIONS & WARRANTY



### PERFORMANCE CURVE:



### DIMENSIONAL DRAWING (mm):



MODEL	A	Ø D	H	PACKING DIMENSIONS			WEIGHT Kg
				L	W	H	
DAB-DIVERTRON1200	150	1" BSPF	480	230	190	500	11

Part Number	Item Code	kW	HP	Max Head (m)	Max Flow (lpm)	Taps*	Power Cable (m)	Ports	Solid Ring Intake
DAB-DIVERTRON1200	701505	0.75	1.0	48	95	9	15	1" BSPF Out	No
DAB-DIVERTRON1200X	701506								Yes

\*Taps calculated at 10 lpm

# 5" SUBMERSIBLE MULTI-STAGE PUMPS

## Tesla Diver Pumps

Ideal for household pressure systems, irrigation or use in aerated wastewater systems.

**TECHNOPOLYMER  
WETEND**

### FEATURES:

- 304 Stainless steel shaft for high corrosion resistance through body motor cooling
- Specially designed algae resistant suction strainer
- Silicon carbide mechanical seal
- Argon filled motor
- Detachable power cord
- Separate control box
- Manual reset overload

### CONTROLLER RECOMMENDATIONS:

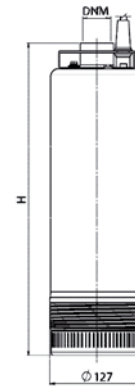


nXt Pro Controller Active Driver Plus

### CERTIFICATIONS & WARRANTY

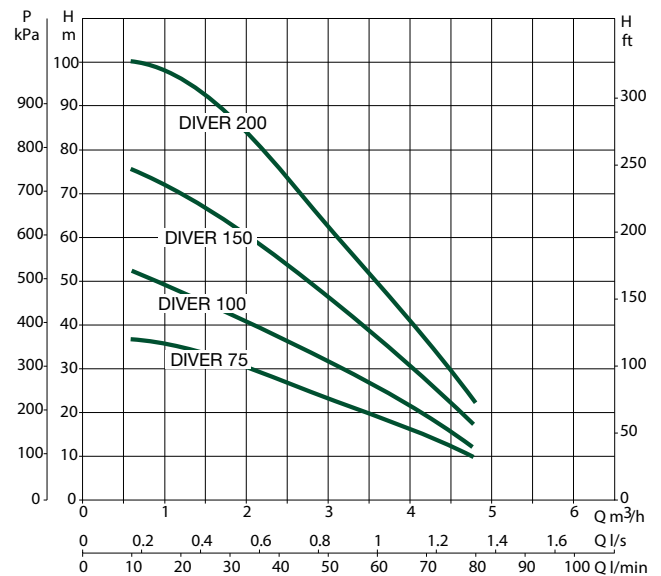
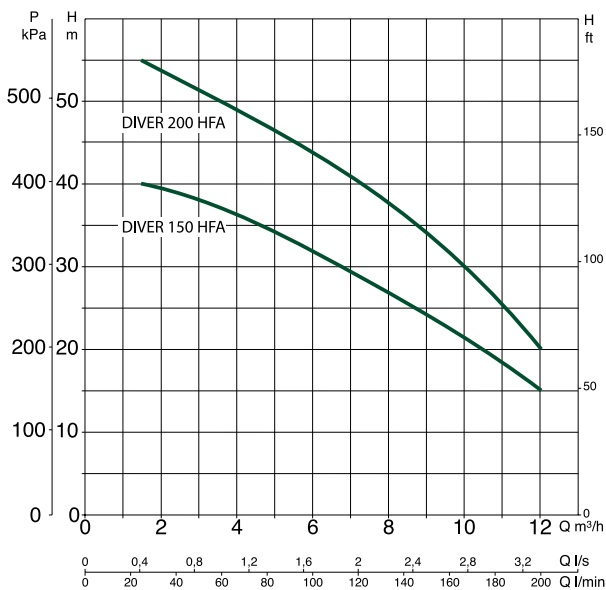


### DIMENSIONAL DRAWINGS (mm):



MODEL	Ø (DIA)	H	PACKING DIMENSIONS			WEIGHT Kg
			L	W	H	
TES-DIVER75MA	127	427	625	230	170	10
TES-DIVER100MA		482				11.7
TES-DIVER150MA		550				13.1
TES-DIVER150MHFA		523				13
TES-DIVER200M		648	710	220	160	15.8
TES-DIVER200MHF		608				15.5
TES-DIVER200MA		648				15.8
TES-DIVER200MHFA		608				15.5

### PERFORMANCE CURVES:



Part Number	Item Code	kW	HP	Max Head (m)	Max Flow (lpm)	Taps*	Includes Control Box	Includes Float Switch	Ports	Volts
TES-DIVER75MA	709862	0.55	0.7	36	80	8	Yes	Yes	1¼" BSPF Out	240
TES-DIVER100MA	709845	0.75	1.0	52						
TES-DIVER150MA	709851	1.1	1.5	76						
TES-DIVER150MHFA	709854	1.5	2.0	40	200	20		No		
TES-DIVER200M	709858			100	80	8				
TES-DIVER200MHF	709859			55	200	20				
TES-DIVER200MA	803159			100	80	8				
TES-DIVER200MHFA	803160			55	200	20		Yes		
<b>SPARE CABLES</b>										
TES-CABLE100MG	709834	10m cable with float								
TES-CABLE100MG20M	709835	20m cable with float								

\*Taps calculated at 10 lpm

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The Bianco iCON nXt controllers are tested in Australia to ensure operation in the toughest of environments, combining innovative technology with robust proven architecture to guarantee constant supply of pressurised water when and where you need it the most. Ideal for pumps supplying clean, non-volatile liquids without fibers or solids in applications such as:



### SINGLE MODE ELECTRONIC PUMP CONTROLLER

- Monitors both pressure and flow to control the operation of the pump automatically.
- Protects the pump should the water supply fail (water tank running dry) and will automatically restart operation once water is restored.
- LED display that displays real time system pressure and can display indication of flow and any warnings.
- IEC plug and play lead for pump. AX version with round 3 pin socket for pump.



### DUAL MODE ELECTRONIC PUMP CONTROLLER

- Monitors both pressure and flow to control the operation of the pump automatically.
- Protects the pump should the water supply fail (water tank running dry) and will automatically restart operation once water is restored.
- Protect the pump from seizing through lack of use, or frequent starts where there is a water leak.
- **In MODE 1 the starting pressure can be adjusted and in MODE 2 both the starting and stopping pressures can be adjusted to fine tune the installation. A pressure tank is required for MODE 2.**
- LED display that displays real time system pressure and can display indication of flow and any warnings.
- IEC plug and play lead for pump. AX version with round 3 pin socket for pump.

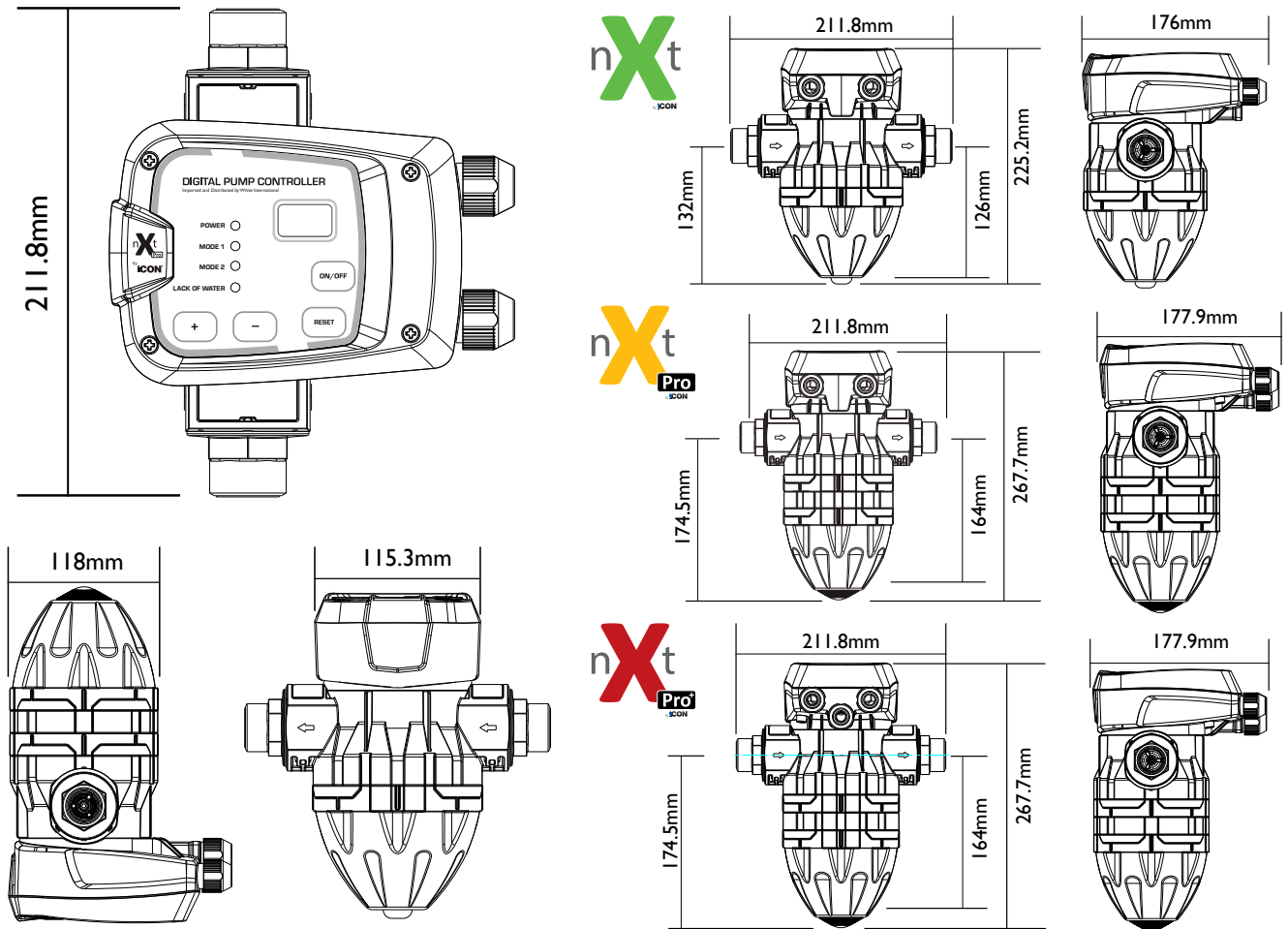


### TRI MODE ELECTRONIC DUAL PUMP CONTROLLER

- Monitors both pressure and flow to control the operation of one or two pumps automatically.
- Protects the pump/s should the water supply fail (water tank running dry) and will automatically restart operation once water is restored. It will also protect the pump/s from seizing through lack of use, or frequent starts where there is a water leak.
- **In MODE 1 the starting pressure can be adjusted and in MODE 2 both the starting and stopping pressures can be adjusted and in MODE 3 it will control two pumps in a duty/assist configuration with independent starting and stopping pressures.**
- **In MODE 1 and 2 it is possible to connect two pumps and they will operate as duty/standby with the same starting or starting and stopping pressures. A pressure tank is required for MODE 2 and MODE 3.**
- LED display that displays real time system pressure and can display indication of flow and any warnings.

MODEL	NXT	NXT PRO	NXT PRO PLUS
Item Code	808034	808035	808036
Modes	Single	Dual	Triple
Function	ON/OFF Control	ON/OFF + Configuration	ON/OFF + Configuration
Rating	Single pump up to 1.5kW @ 240V 1 Ph	Single pump up to 2.2kW @ 240V 1Ph	Dual pumps up to 2.2kW ea @ 240V 1 Ph
Max Amperage	10 Amp	16 Amp	2 x 16 Amp ea (when connected using correctly sized cable)
Input Power	220 - 240V +/- 6%   1ph 50Hz	80 - 240V 1ph 50Hz   Generator compatible	
Connection Size	‘Tool - less’ Push and Connect fittings - 1” BSP Male		
Pressure Tank	In-built accumulation only	0.3 litre (removeable) to expose 1” BSPF port	
Pump Start	Preset 2.2 bar	Mode 1: Default 2.2 bar User adjustable 0.5 - 6.0 bar Mode 2: User adjustable 0.5 - 6.0 bar	Mode 1: Default 2.2 bar User adjustable 0.5 - 6.0 bar Mode 2: User adjustable 0.5 - 6.0 bar
Pump Stop	Flow less than 0.9 lpm	Mode 1: Flow less than 0.9 lpm Mode 2: User adjustable 1.8 - 9.0 bar	Mode 1: Flow less than 0.9 lpm Mode 2 and 3: User adjustable 1.8 - 9.0 bar
Max Pressure	10 bar		
Max Water Temp	3 - 60°C		
Max Air Temp	3 - 50°C		
Max Flow	150 lpm - 1” outlet	150 lpm - 1” outlet   300 lpm - 1¼” outlet	
Cable to Pump	H05 10 Amp ‘Plug and Play’ style leads. Flylead supplied when purchased as control only		No Cables - user to fit
Power Cable	H05 10 Amp as standard. 15 Amp option available		Hardwired (No Cable)
IP Rating	IP65		
Accessories (Sold Separately)	n/a	15 AMP Cable	
	n/a	1¼” Union Kit for flows up to 350 lpm/18m³/hr	

## DIMENSIONAL DRAWINGS (mm):



- Innovative flow sensor/ non return poppet. Easy to clean or replace.**
- 1" port standard for all models. For flows up to 150 lpm**
- 1 1/4" unions available nXt Pro & Pro Plus models For flows up to 350 lpm**
- Push and Connect tool-less swivel fittings**
- Digital display of running conditions. Easy programming with full button-press menu.**
- Removeable tank on nXt Pro and nXt Pro Plus models**



### CERTIFICATIONS & WARRANTY



Patent Pending: 2019901734  
Registered Design: 201912797

Accessories		
<b>BIA-NXTUNION32</b>	<b>808431</b>	1 1/4" union set
<b>BIA-NXTTANK</b>	<b>808432</b>	Pressure tank to suit nXt Pro and nXt Pro Plus models. 0.3L
<b>BIA-AXADAPTOR</b>	<b>808675</b>	IEC AX adaptor for NXT

# SURFACE MOUNTED PRESSURE SYSTEMS

## Self Priming Jet Pumps with Electronic Pump Controller

Suitable for water supply applications with suction wells and boosting of domestic systems, agricultural and gardening applications.

### FEATURES:

- Designed for domestic household pressure systems
- Electronic pump control with dry run protection and automatic restart
- A pressure tank is recommended in mode 1. JETCOMNXT & JINOXNXT used in mode 2 require an additional pressure vessel for reliable operation.
- Ports: 1" BSPF In, 1" BSPM Out
- Volts: 240



OR



JETCOM NXT



JETCOM NXT  
(INOX WITH PRO CONTROLLER)



JET NXT  
(CAST IRON)

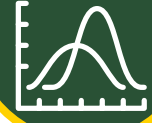


JINOX NXT  
(STAINLESS STEEL)

### CERTIFICATIONS & WARRANTY



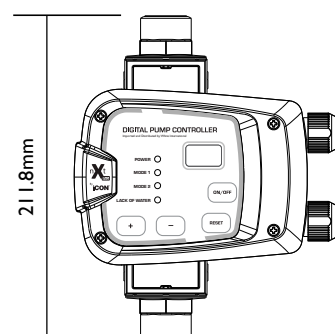
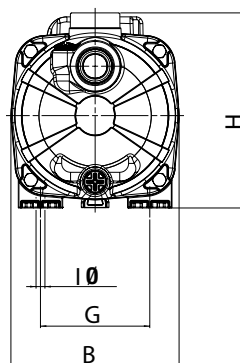
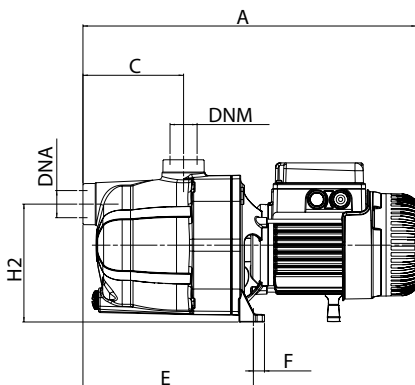
SEE PAGE 28 FOR CURVES



Part Number	Item Code	kW	HP	Max Head (m)	Max Flow (lpm)	Taps*
<b>Technopolymer (NXT PRO ADJUSTABLE CONTROLLER)</b>						
DAB-JETCOM62NXT	809705	0.44	0.6	42	45	4
DAB-JETCOM82NXT	809706	0.6	0.8	47	60	6
DAB-JETCOM102NXT	808412	0.75	1.0	53.8	80	8
DAB-JETCOM132NXT	808413	1.0	1.36	48	80	8
<b>Technopolymer (NXT CONTROLLER)</b>						
DAB-JETCOM62NXT	808408	0.44	0.6	42	45	4
DAB-JETCOM82NXT	808409	0.6	0.8	47	60	6
DAB-JETCOM102NXT	808410	0.75	1.0	53.8	80	8
DAB-JETCOM132NXT	808411	1.0	1.36	48	80	8
<b>Cast Iron (NXT CONTROLLER)</b>						
DAB-102NXT	808414	0.75	1.0	53.8	60	6
DAB-132NXT	808415	1.0	1.36	48	80	8
<b>Stainless Steel (NXT PRO ADJUSTABLE CONTROLLER)</b>						
DAB-JINOX82NXT	808417	0.6	0.8	47	60	6
DAB-JINOX102NXT	808418	0.75	1.0	53.8	80	8
DAB-JINOX112NXT	808419	1.0	1.36	61	80	8
DAB-JINOX132NXT	808420	1.0	1.36	48	80	8

\*Taps calculated at 10 lpm.

### DIMENSIONAL DRAWINGS (mm):



SEE PAGE 21 FOR COMPLETE CONTROLLER DIMENSIONS



MODEL	A	B	C	E	F	G	H	H2	I Ø	DNA GAS	DNM GAS	PACKING DIMENSIONS			GROSS WEIGHT KG
												L	W	H	
JETCOM62M	406	170	122	208	14	111	198	144	9	1"	1"	470	240	240	7.5
JETCOM82M	203						7.7								
JETCOM102M	425	170	122	208	14	111	203	144	9	1"	1"	470	240	240	9.5
JETCOM132M															10.5

# SURFACE MOUNTED PRESSURE SYSTEMS

## EUROINOX Stainless Steel Surface Mounted Horizontal Multistage Pumps

Multi-stage centrifugal pump with horizontal shaft, with excellent suction capacity even in the presence of air bubbles, featuring extremely quiet operation suitable for domestic water supply and pressurisation, irrigation of gardens and general water movement. Suitable for domestic use for water supply and pressurisation, irrigation of gardens and moving water in general.

### FEATURES:

- ◆ The new nXt Pro intelligent electronic pump control is fitted and wired to the pump with plug and play leads for automatic starting, stopping and restarting after power loss or water loss
- ◆ The nXt Pro controller has an in-built check valve to prevent water back-flow through the pump
- ◆ In MODE 1 the starting pressure can be adjusted and in MODE 2 both the starting and stopping pressures can be adjusted to fine tune the installation. A pressure tank is required for MODE 2.
- ◆ Stainless Steel pump casing resists corrosion and water borne bacteria
- ◆ Unique self priming design makes these pumps ideal for long suctions and large homes
- ◆ Emits less noise (when compared to jet pumps), making them ideal for high density urban applications



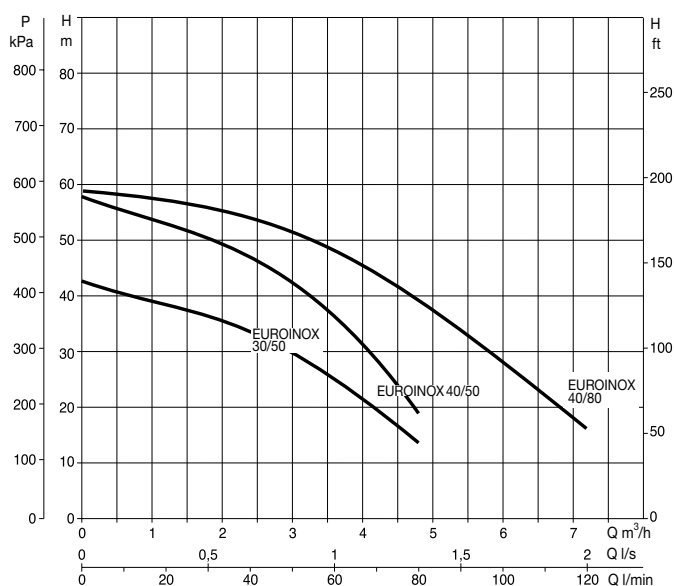
### CERTIFICATIONS & WARRANTY



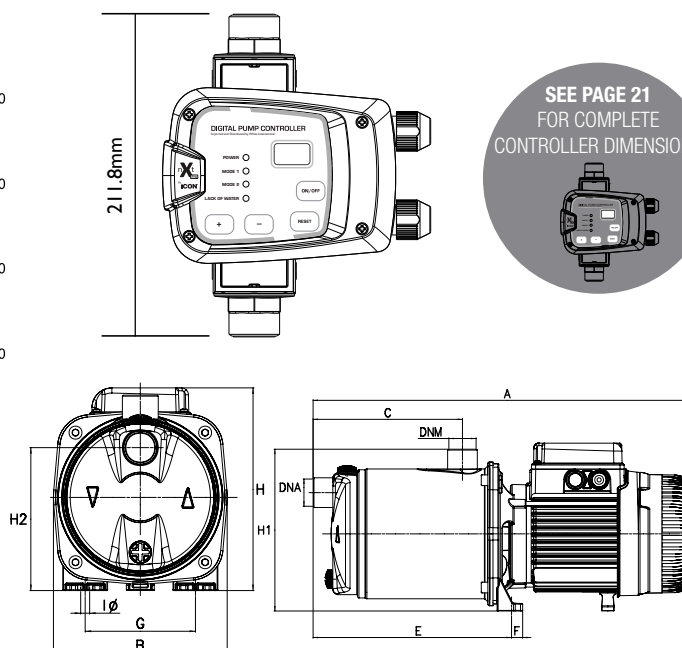
Part Number	Item Code	kW	HP	Max Head (m)	Max Flow (lpm)	Taps*	Ports	Volts
DAB-EUROINOX30/50NXTP	808421	0.55	0.75	42.2	80	8	1" BSPF In, 1" BSPM Out	240
DAB-EUROINOX40/50NXTP	808422	0.8	1.1	57.7				
DAB-EUROINOX40/80NXTP	808423	1.0	1.36	59	120	12		
DAB-EUROINOX50/50NXTP	809544			72	80	8		

\*Taps calculated at 10 lpm

### PERFORMANCE CURVE:



### DIMENSIONAL DRAWINGS (mm):



MODEL	A	B	C	E	F	G	I Ø	H	H1	H2	DNA GAS	DNM GAS	PACKING DIMENSIONS			GROSS WEIGHT KG
													L	W	H	
EUROINOX30/50	384	174	108	186	13.5	111	9	193	196	143	1"	1"	440	206	245	10.7
EUROINOX40/50	458		166	241				203					480	212	265	14.8
EUROINOX40/80																15.5

Disclaimer: Every effort has been made to publish the correct details in this brochure. No responsibility will be taken for errors, omissions or changes in product specifications.

# PRESSURE SWITCH PUMPS

## Pressure Pumps with Mechanical Switch

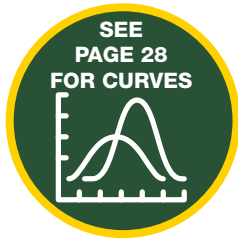
Suitable for domestic use for water supply and pressurisation, irrigation of gardens and moving water in general. Includes non-return valve.

### FEATURES:

- Renowned for their unique self priming and extraordinary deep suction capability up to 9 metres at sea level.
- All pressure switch controlled pumps must use a pressure tank (refer to Reflex pressure tanks)
- Ports: 1" BSPF In, 1" BSPM Out
- Volts: 240



DAB-JINOX62MP - DABJINOX-132MP    DAB-62MP - DAB-132MP



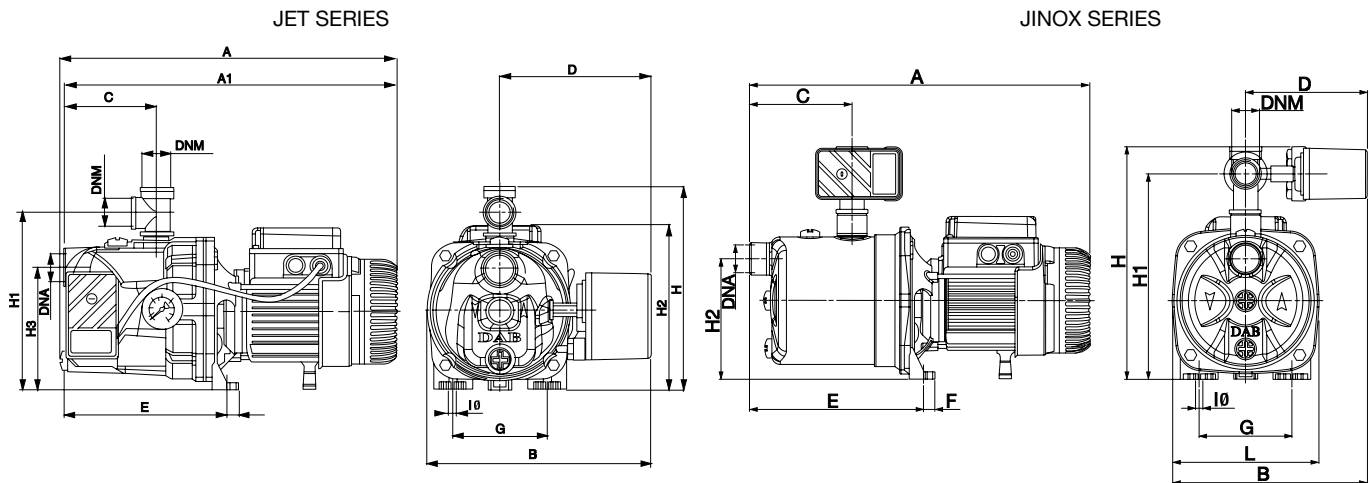
### CERTIFICATIONS & WARRANTY



Part Number	Item Code	kW	HP	Max Head (m)	Max Flow (lpm)	Taps*	Settings			
							Start		Stop	
							psi	kPa	psi	kPa
<b>Cast Iron</b>										
DAB-62MP	701434	0.44	0.6	42	45	4	26	179	44	303
DAB-82MP	701445	0.6	0.8	47	60	6	29	200	58	400
DAB-102MP	701376	0.75	1.0	53.8						
DAB-132MP	701384	1.0	1.36	48	80	8	29	200	58	400
<b>Stainless Steel</b>										
DAB-JINOX82MP	701605	0.6	0.8	47	60	6	29	200	58	400
DAB-JINOX102MP	701581	0.75	1.0	53.8						
DAB-JINOX112MP	701588	1.0	1.36	61	80	8	44	303	73	503
DAB-JINOX132MP	701592	1.0	1.36	48			29	200	58	400

\*Taps calculated at 10 lpm

### DIMENSIONAL DRAWINGS (mm):



MODEL	A	A1	B	C	DNA	DNM	E	F	G	H	H1	H2	H3	I Ø	CASING	PUMP KG
JET62MP	395	390	263	108	1" BSP	1" BSP	192	14	111	239	209	193	144	9	6 BAR	11.9
JET82MP												12.1				
JET102MP	414											203				13.9
JET132MP												14.9				
MODEL	A	B	C	D	DNA	DNM	E	F	G	H	H1	H2	I Ø	L	CASING	PUMP KG
JETINOX62MP	406	232	122	145	1" BSP	1" BSP	207	14	111	276	244	144	9	174	8 BAR	9.0
JETINOX82MP																9.2
JETINOX102MP	424															11.0
JETINOX112MP																12.0
JETINOX132MP																12.0



# PRESSURE SWITCH PUMPS

## EUROINOX Stainless Steel Surface Mounted Horizontal Multistage Pump with Pressure Switch

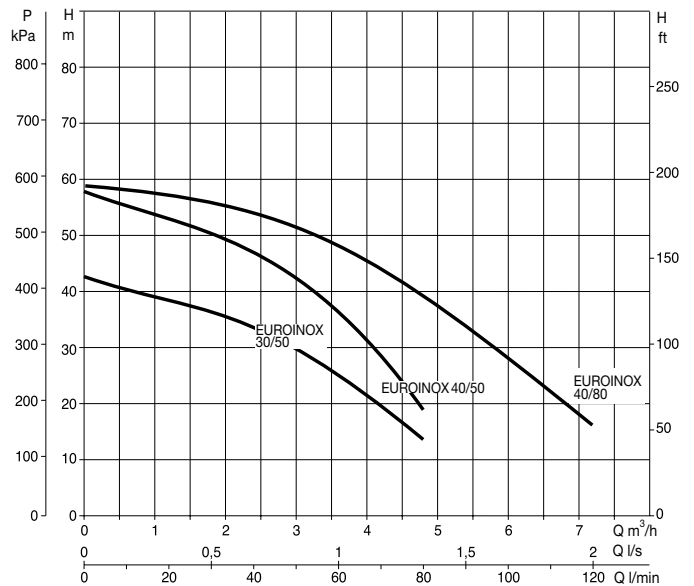
Ideal for small to large homes, irrigation systems, caravan parks and schools. Quality pressure switch, adjustable differential, cable glands and liquid filled pressure gauge.

### FEATURES:

- Stainless Steel pump casing resists corrosion and less likely to support the growth of natural water borne bacteria
- Unique self priming design makes these pumps suitable for longer suctions and larger homes
- Emits less noise (when compared to jet pumps), making them ideal for high density urban applications



### PERFORMANCE CURVE:



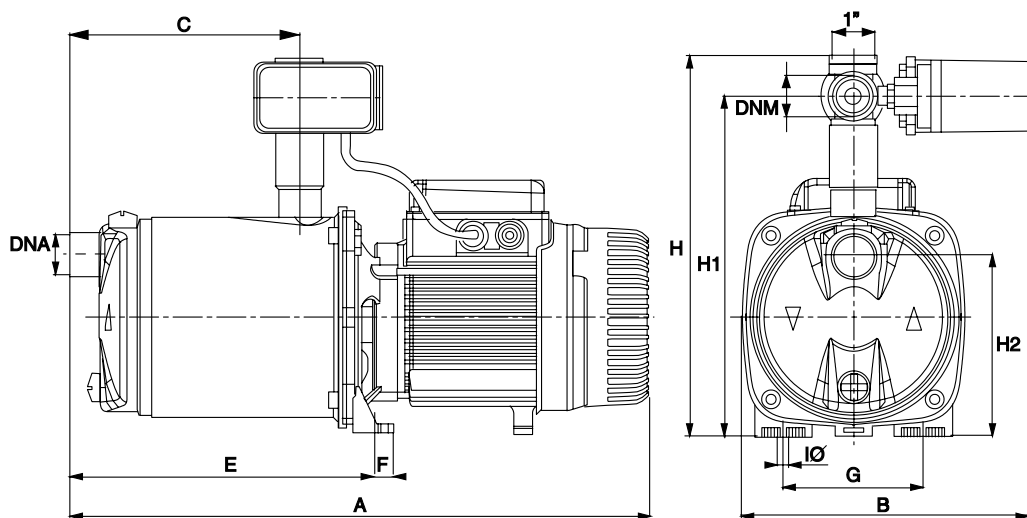
### CERTIFICATIONS & WARRANTY



Part Number	Item Code	kW	HP	Max Head (m)	Max Flow (lpm)	Taps*	Settings			
							psi	kPa	psi	kPa
Stainless Steel										
DAB-EUROINOX50/50MPC	600225	1.0	1.36	72	80	8	44	303	73	503
DAB-EUROINOX40/50MP	701538	0.8	1.1	57.7						
DAB-EUROINOX40/80MP	701544	1.0	1.36	59	120	12				

\*Taps calculated at 10 lpm

### DIMENSIONAL DRAWINGS (mm):



MODEL	A	B	C	DNA	DNM	E	F	G	H	H1	H2	I DIA	CASING	PUMP KG
EUROINOX50/50MPC	458	226	108	1" BSP	1" BSP	186	13.5	111	300	268	143	9	8 BAR	11.7
EUROINOX40/50MP			241			15.8								
EUROINOX40/80MP			241			16.5								

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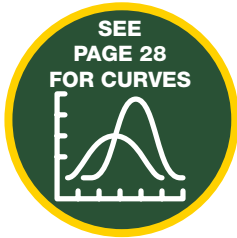
# MANUAL SURFACE MOUNTED PUMPS

## Manual Pumps

Self priming centrifugal pump with excellent suction capacity even in the presence of air bubbles. Pump tolerates low levels of sand contamination. Used in domestic water supply installations. Suitable for farms and gardening, small scale industrial services and where self priming is necessary.

### FEATURES:

- ◆ DAB Jet pumps are renowned for their unique self priming and extraordinary deep suction capability up to 9 metres vertical head at sea level
- ◆ Available in technopolymer, cast iron and stainless steel, they are designed to handle abrasive and corrosive water which makes them ideally suited for spear point applications.



DAB-JETCOM62M-ANZ-LEAD



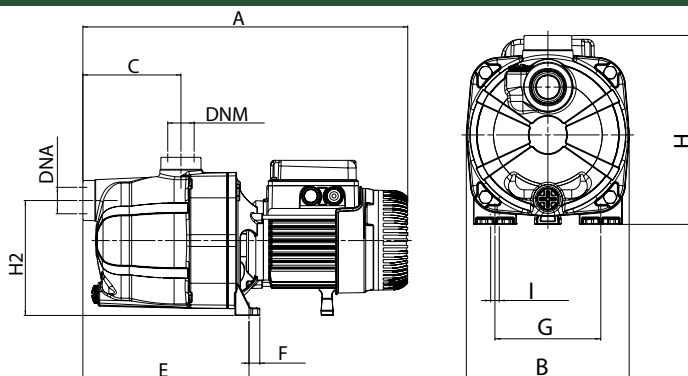
DAB-62M (CAST IRON)



DAB-JINOX62M (STAINLESS STEEL)

Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Ports	Taps*
<b>Technopolymer</b>								
DAB-JETCOM62M-ANZ-LEAD	800424	0.44	0.6	240	42	45	1" BSPF In, 1" BSPF Out	4
DAB-JETCOM82M-ANZ-LEAD	800425	0.6	0.8		47	60		6
DAB-JETCOM102M-ANZ-LEAD	800426	0.75	1.0		53.8	80		8
DAB-JETCOM132M-ANZ-LEAD	800427	1.0	1.36		48	80		8
<b>Cast Iron</b>								
DAB-62M	701433	0.44	0.6	240	42	45	1" BSPF In, 1" BSPF Out	4
DAB-82M	701444	0.6	0.8		47	60		6
DAB-102M	701375	0.75	1.0		53.8	80		8
DAB-132M	701383	1.0	1.36		48	80		8
<b>Stainless Steel</b>								
DAB-JINOX82M	701603	0.6	0.8	240	47	60	1" BSPF In, 1" BSPF Out	6
DAB-JINOX102M	701580	0.75	1.0		53.8			
DAB-JINOX112M	701587	1.0	1.36		61	80		8
DAB-JINOX132M	701591				48			

### DIMENSIONAL DRAWINGS (mm):



**CERTIFICATIONS & WARRANTY**

**2**  
YEAR WARRANTY

Approved for  
Drinking Water  
AS/NZ 4020

MODEL	A	B	C	E	F	G	H	H2	I Ø	DNA GAS	DNM GAS	PACKING DIMENSIONS			GROSS WEIGHT KG
												L	W	H	
JETCOM62M	406	170	122	208	14	111	198	144	9	1"	1"	470	240	240	7.5
JETCOM82M															7.7
JETCOM102M	425	170	122	208	14	111	203	144	9	1"	1"	470	240	240	9.5
JETCOM132M															10.5

# MANUAL SURFACE MOUNTED PUMPS

## Horizontal Multistage Pumps

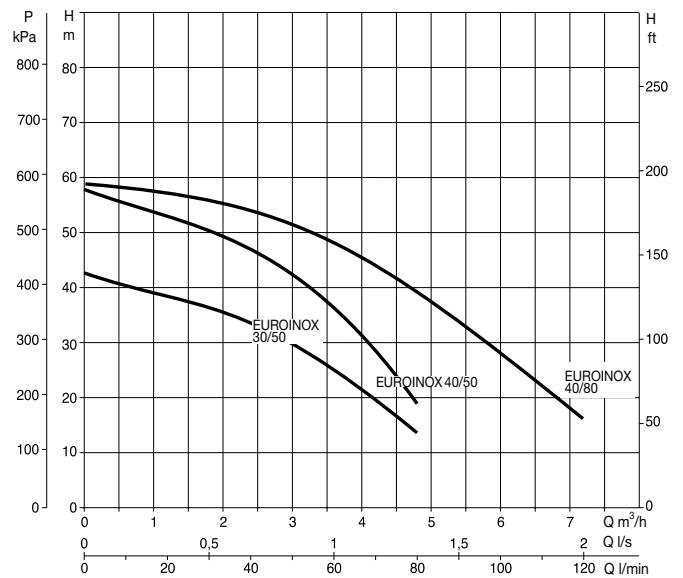
Suitable for domestic use for water supply and pressurisation, irrigation of gardens and moving water in general.

### FEATURES:

- Stainless Steel pump casing resists corrosion and less likely to support the growth of natural water borne bacteria
- Unique self priming design makes these pumps suitable for longer suctions and larger homes
- Emits less noise (when compared to jet pumps), making them ideal for high density urban applications



### PERFORMANCE CURVE:



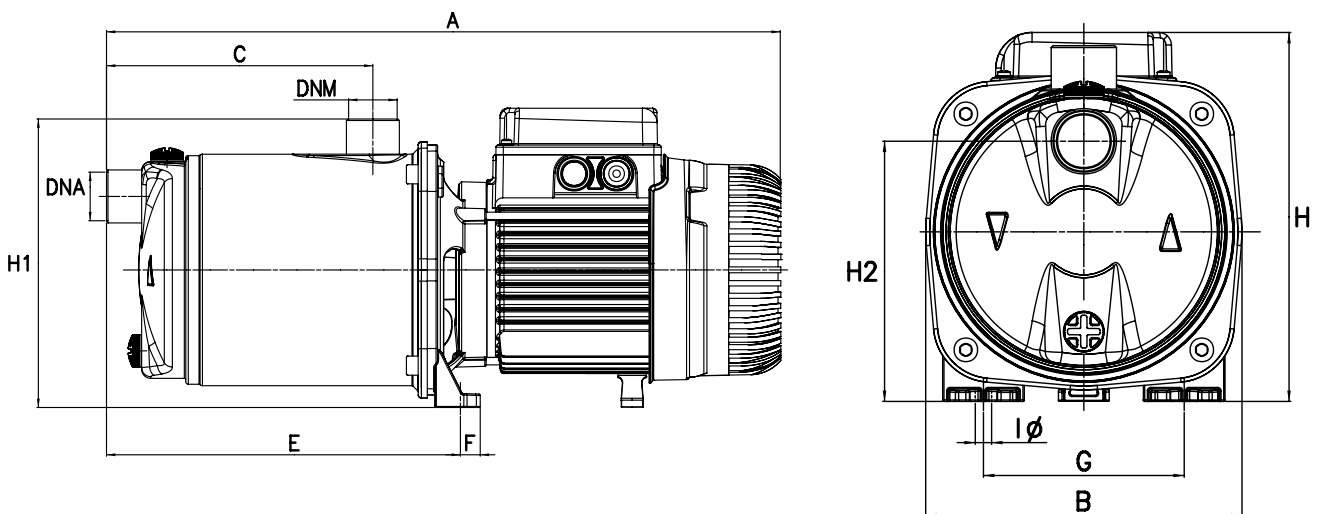
### CERTIFICATIONS & WARRANTY



Part Number	Item Code	kW	HP	Max Head (m)	Max Flow (lpm)	Taps*	Ports	Volts
<b>Stainless Steel</b>								
DAB-EUROINOX40/50M	701536	0.8	1.1	57.7	80	8	Ports: 1" BSPF In, 1" BSPF Out	240
DAB-EUROINOX40/80M	701542	1.0	1.36	59	120	12		
DAB-EUROINOX50/50M	600223	1.0	1.36	72	80	8		

\*Taps calculated at 10 lpm

### DIMENSIONAL DRAWINGS (mm):

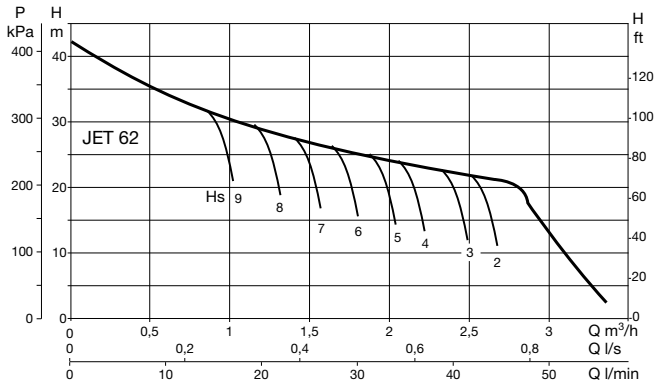


MODEL	A	B	C	E	F	G	IØ	H	H1	H2	DNA GAS	DNM GAS	PACKING DIMENSIONS			GROSS WEIGHT KG
													L	W	H	
EUROINOX50/50M	458	174	108	186	13.5	111	9	193	196	143	1"	1"	440	206	245	10.7
EUROINOX40/50M			166	241									480	212	265	14.8
EUROINOX40/80M			166	241									480	212	265	15.5

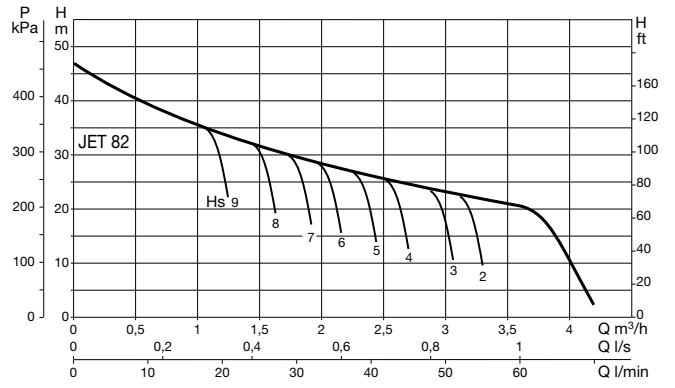
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# JET PUMP CURVES

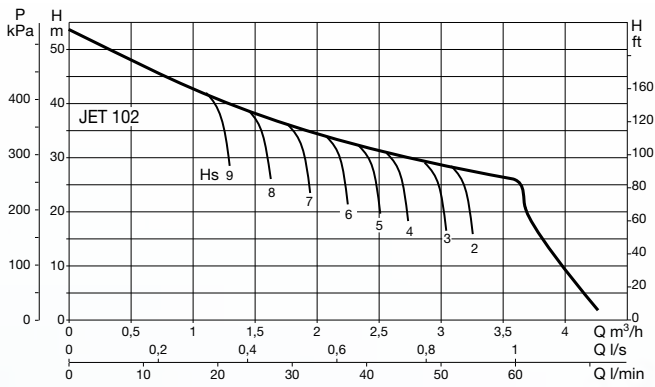
**JET 62:**



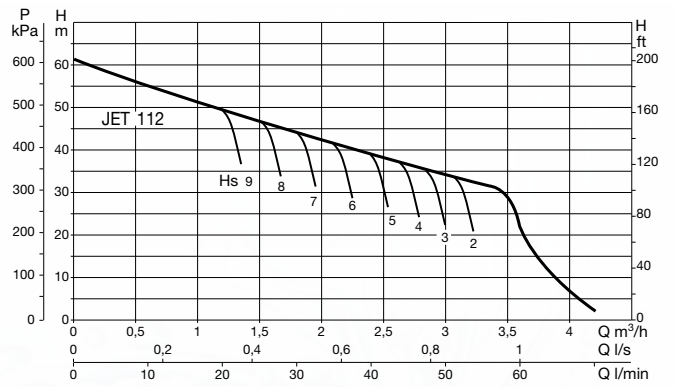
**JET 82:**



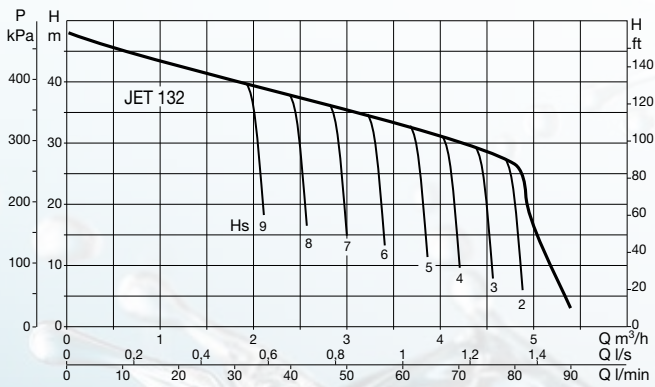
**JET 102:**



**JET 112:**



**JET 132:**



# POOL PUMPS

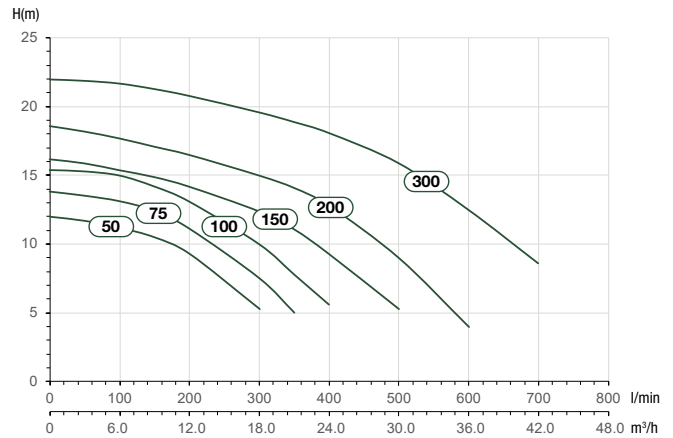
## Euroswim

High efficiency self-priming centrifugal pumps with built-in large capacity pre-filter. Extremely quiet running and great reliability, developed for water circulation and filtration in domestic swimming pools. Suitable also for special applications that call for handling of aggressive liquids such as fish farms, agriculture and industry.

### FEATURES:

- Pump body in fibreglass reinforced technopolymer
- Nylon strainer covering clear antioxidant polycarbonate to guarantee constant visibility through time
- Impeller in fibreglass-reinforced technopolymer developed to ensure total coverage and isolation of the motor shaft from the pumped liquid
- Diffuser in reinforced technopolymer
- Mechanical seal in carbon / alumina / NBR / AISI 316
- Pump body O-rings in NBR, threaded fasteners and reinforcing rings in AISI 304
- Butterfly drain plugs that can be removed and refitted without tools
- Asynchronous continuous duty 2-pole motor
- Single phase version with integral thermal and overcurrent protection and permanent split capacitor (PSC), assembled inside the terminal box for all versions
- Option of 2" BSP or PVC sockets to suit DN40 & DN50

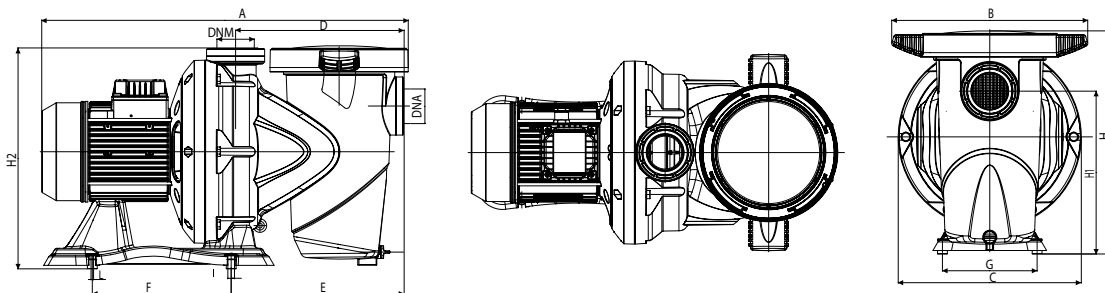
### PERFORMANCE CURVE:



Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Ports
DAB-EUROSWIM50M	701552	0.33	0.5	240	12	300	2" BSPF and sockets suit DN40, DN50 PVC
DAB-EUROSWIM75M	701553	0.5	0.75		13.8	350	
DAB-EUROSWIM100M	701549	0.75	1.0		15.4	400	
DAB-EUROSWIM150M	701550	1.1	1.5		16.2	500	
DAB-EUROSWIM200M	701551	1.5	2.0		18.6	600	
DAB-EUROSWIM300M	805773	2.2	3.0		22	700	



### DIMENSIONAL DRAWINGS (mm):



MODEL	A	B	C	D	E	F	G	H	HI	H2	I	L	DNA	DNM	PACKING DIMENSIONS			GROSS WEIGHT KG
															L	W	H	
EUROSWIM 50 M	536	242	242	257	265	220	150	351	222	314	11	6.5	2"	2"	600	360	400	16
EUROSWIM 75 M	552		245															16.5
EUROSWIM 100 M																		17
EUROSWIM 150 M	574	250	290	267	274			387	258	350					720	350	430	22
EUROSWIM 200 M	648																	24
EUROSWIM 300 M	645	252																24.5

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# POOL PUMPS

## E.Swim

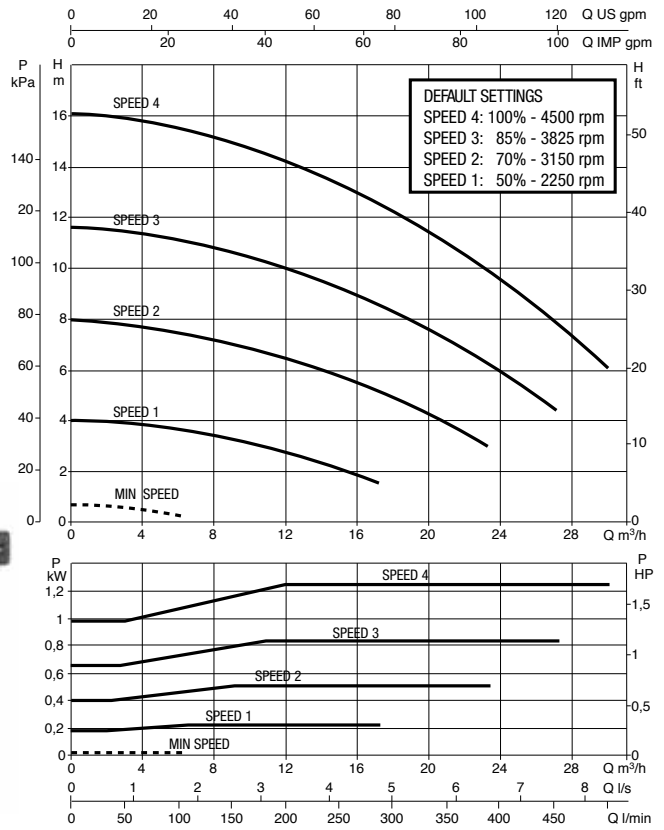
E.Swim is an electronic swimming pool pump with built-in high capacity strainer basket, ideal for water circulation and filtration in residential pools.

### FEATURES:

- ◆ The frequency converter technology combined with the high efficiency permanent magnet motor, cooled by the pumped liquid, grant the best energy savings and is extremely quiet
- ◆ Can be installed in small, poorly ventilated spaces due to water cooled motor
- ◆ Intuitive interface panel, with LCD display and keypad for easy programming, with diagnostic software integrated for pump and plant protection
- ◆ Function mode with speed control or flow control, suitable for different swimming pool types
- ◆ May be controlled remotely when installed with connection cable kit
- ◆ Option of 2" BSP or PVC sockets to suit DN40 and DN50



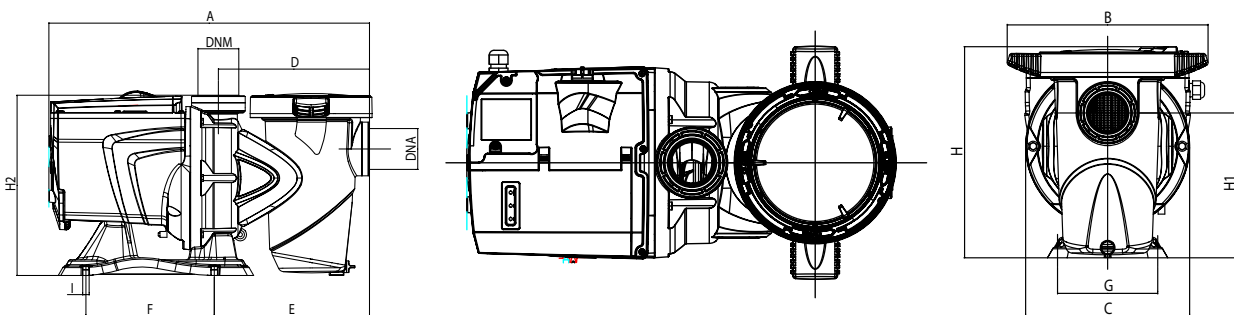
### PERFORMANCE CURVE:



Part Number	Item Code	kW	HP	Volts	Max Head (m)	Max Flow (lpm)	Ports
DAB-ESWIM150	805774	1.1	1.5	240	16	500	2" BSPF and sockets suit DN40, DN50 PVC
DAB-ESWIM300	808721	1.5	3.0		26	708	Ports 2" BSPF and sockets suit DN40, DN50 PVC



### DIMENSIONAL DRAWING (mm):



MODEL	A	B	C	D	E	F	G	H	H1	H2	I	DNA	DNM	PACKING DIMENSIONS			GROSS WEIGHT KG
														L	W	H	
ESWIM	550	300	245	259	266	220	150	316	217	309	11	2"	2"	720	350	4730	19



# CIRCULATOR PUMPS

## Bronze Circulators

Circulators with bronze body for hot water circulation in domestic systems including hot water and under floor heating systems. Pump for hot water circulation in hot water domestic systems of the closed and pressurised or open tank type. Order unions separately.

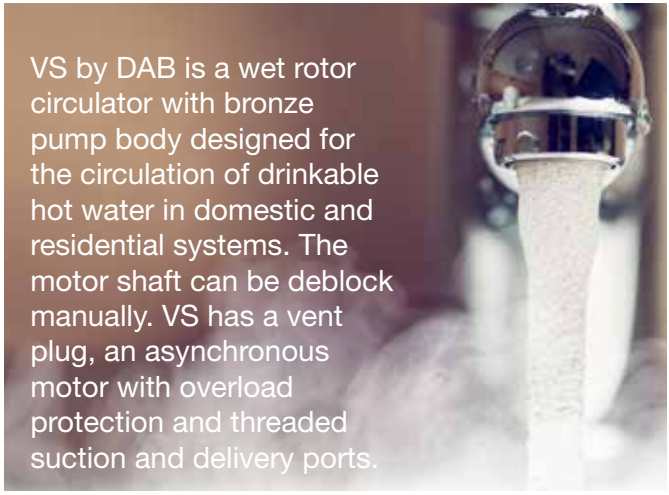
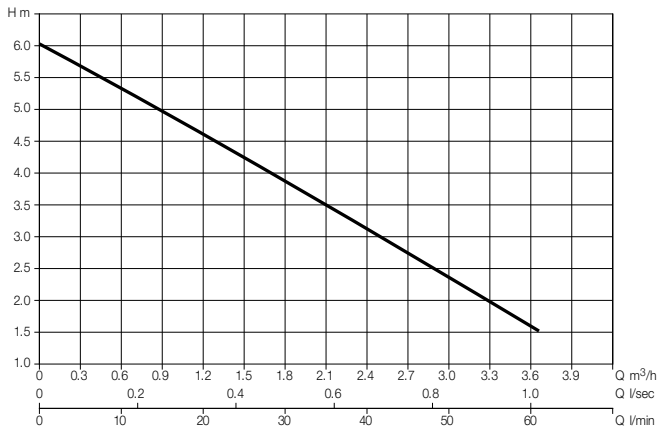
### FEATURES:

- ◆ Die-cast aluminium motor casing
- ◆ Technopolymer impeller
- ◆ Ceramic driving shaft mounted on graphite brushings lubricated by the pumped liquid itself
- ◆ Stainless steel protective rotor sleeve, stator sleeve and closing flange
- ◆ Ceramic thrust bearing
- ◆ E.P.D.M. "O" rings
- ◆ The wet rotor asynchronous two pole motor has internal protection in case of overload
- ◆ No additional overload protection required
- ◆ IP44 ingress protection rating
- ◆ Single Speed



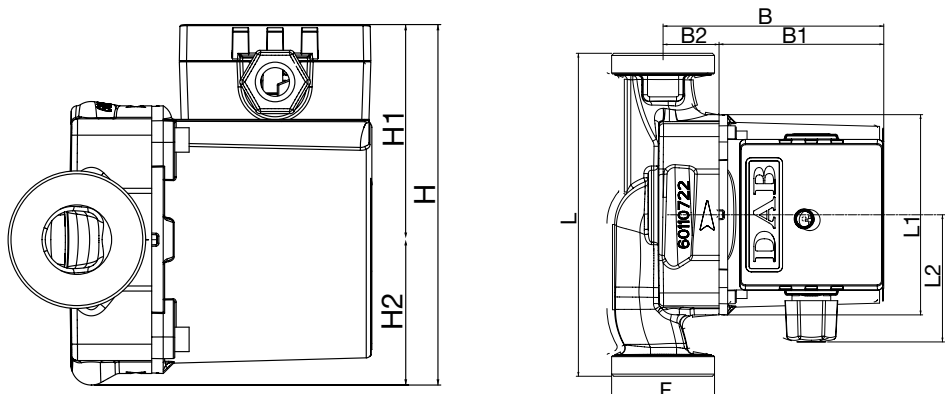
Part Number	Item Code	Watts	Volts	Max Head (m)	Max Flow (lpm)	Ports	Centre Distance (mm)
DAB-VS65-150	702738	77	240	6.0	60	1½" BSPM In, 1½" BSPM Out	150

### PERFORMANCE CURVE:



VS by DAB is a wet rotor circulator with bronze pump body designed for the circulation of drinkable hot water in domestic and residential systems. The motor shaft can be deblock manually. VS has a vent plug, an asynchronous motor with overload protection and threaded suction and delivery ports.

### DIMENSIONAL DRAWING (mm):



MODEL	L	L1	L2	B	B1	B2	H	H1	H2	F (GAS)	PACKING DIMENSIONS			GROSS WEIGHT KG
											L	W	H	
VS 65/150 M	150	98	60	104	78	26	124	75	49	1½"	134	188	150	2.6

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# CIRCULATOR PUMPS

## Cast Iron Circulators

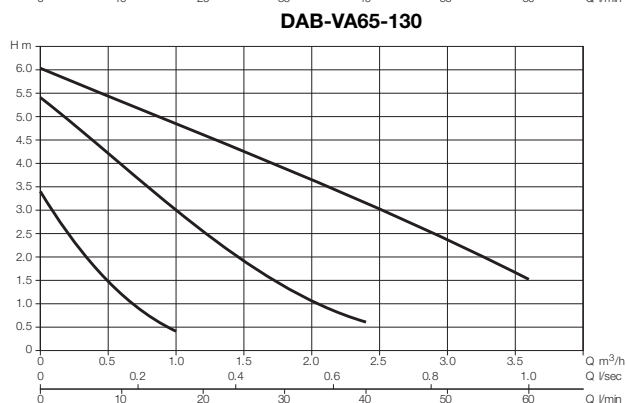
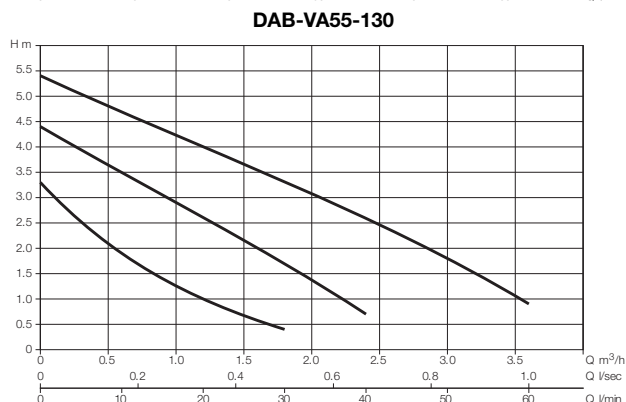
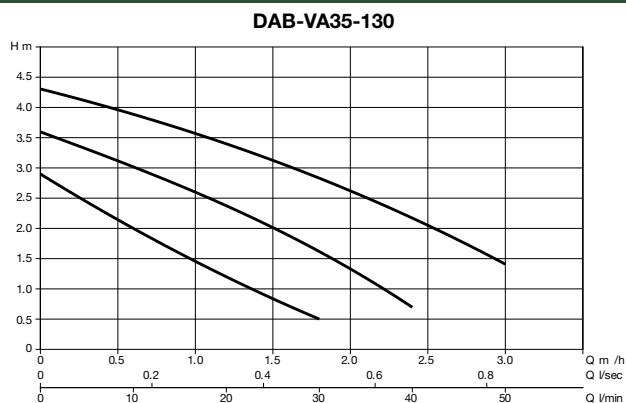
Circulators with cast iron body for hot water circulation in domestic systems including solar hot water and under floor heating systems. Order unions separately.

### FEATURES:

- 💧 Protection rating IP44
- 💧 3 speed
- 💧 Ports: 1½" BSPM In, 1½" BSPM Out
- 💧 Volts: 240



### PERFORMANCE CURVE:



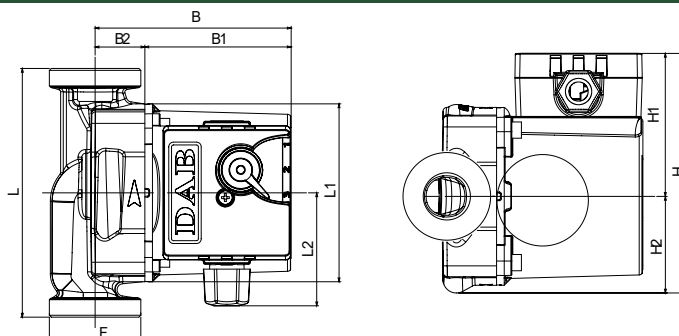
### CIRCULATOR ACCESSORIES:

Part Number	Item Code	Material	Ports
DAB-UNION3/4	702730	Cast Iron (pair) suit 1-½" port	¾" BSPF Out
DAB-UNION1	702727		1" BSPF Out
DAB-UNION3/4B	702731	Brass (pair) suit 1-½" port	¾" BSPF Out
DAB-UNION1B	702729		1" BSPF Out

Part Number	Item Code	Watts	Max. Operating Temperature	Max Head (m)	Max Flow (lpm)	Centre Distance (mm)
DAB-VA35-130	702734	56	110°C	4.3	50	130
DAB-VA55-130	702735	70		5.4		
DAB-VA65-130	702736	78		6.0		



### DIMENSIONAL DRAWING (mm):



MODEL	L	L1	L2	B	B1	B2	H	H1	H2	F	PACKING DIMENSIONS			GROSS WEIGHT KG
											L/A	L/B	H	
DAB-VA RANGE	130	98	60	104	78	26	124	75	49	1½"	134	188	150	2.5



# REFLEX PRESSURE VESSELS

Ranging from 2-400L, Reflex Pressure Tanks are manufactured in Europe and are ideally suited for a wide range of applications. These include booster systems, bore hole systems, sprinklers, irrigation systems, HVAC, thermal expansion and water hammer arresting.

An energy saving device such as a Reflex Pressure Tank pressure storage cell, stores energy in the form of pressurised water. The energy is transformed by the pump from electricity to water pressure. With a Reflex Pressure Tank, there is no loss of energy once it has been stored in the device.

By installing a Reflex Tank, the pump start events can be cut by 40 – 80%

- Saving power
- Extending pump life
- Reducing noise
- Low initial cost

The Reflex Tank is easy to fit to most pumps and can also be wall mounted.

The tank can be installed within minutes and the system can be fitted to any brand or type of pump.



Thinking solutions.



## FEATURES:

- Manufactured in Europe
- 304 & 316Ti Stainless Steel water connection
- Corrosion resistant for long life
- UV resistant epoxy coating with a minimum thickness of 30 micron in blue RAL5007
- Air valve with sealing cap eliminates leaks
- Internal coating for drinking water applications
- Food grade approved high-grade butyl membranes and bladders WRAS, ACS, AS/NZS4020
- Maximum working temperature 70°C
- Maximum working pressures of 145psi/10bar or 232psi/16bar
- Tank pre-charge 58psi/4bar Nitrogen
- 5 year tank replacement guarantee

## BENEFITS:

- Constructed for long life
- Extends pump life
- Reduces pump starts and noise
- Protects against water hammer and thermal expansion



## REFIX DE

- 2-18 Litres
- Bladder according to DIN EN 13831
- All vessel parts in contact with water are corrosion resistant
- Meets or exceeds EC norms for pressure vessels 2014/108/EC directives
- Durable epoxy coating
- Factory pre-charged
- Vertical

## REFIX HW

- 25-80 Litres
- Diaphragm according to DIN EN 13831 norm part 3
- All vessel parts are corrosion resistant
- Meets or exceeds EC norms for pressure vessels 2014/108/EC directives
- Durable epoxy coating
- Factory pre-charged
- Horizontal

## REFIX DC

- 25 - 400 Litres
- Diaphragm, according to DIN EN 13831 norm part 3
- All vessel parts in contact with water are corrosion resistant
- Meets or exceeds EC norms for pressure vessels 2014/108/EC directives
- Durable epoxy coating
- Factory pre-charged
- Vertical / Free-Standing

## CERTIFICATIONS & WARRANTY



# REFLEX PRESSURE TANKS

## DE SERIES:

Vertical tanks

High-grade butyl bladder according to DIN EN 13831

Part Number	Item Code	Vertical Size (L)	Bar	Outlet	Litres
REF-DE2**	806043	2	10	1" BSPM	1
REF-DE8**	806044	8			3
REF-DE18**	806045	18			6
REF-DE8-16	806046	8	16	1" BSPM	3
REF-DE25-16	806048	25			9
REF-DE80-16	806049	80			29

Note: Codes marked \*\* are WaterMark approved to WMTS-485:2018 Certificate No. 23340



Image of 8L tank

## HW SERIES:

Horizontal tanks

High-grade butyl diaphragm according to DIN EN 13831

Part Number	Item Code	Horizontal Size (L)	Bar	Outlet	Litres
REF-HW25**	806058	25	10	1" BSPM	9
REF-HW60**	806059	60			22
REF-HW80**	806060	80			29

Note: Codes marked \*\* are WaterMark approved to WMTS-485:2018 Certificate No. 23340



## DC SERIES:

Vertical tanks

High-grade butyl diaphragm according to DIN EN 13831

Part Number	Item Code	Vertical Size (L)	Bar	Outlet	Litres
REF-DC25**	806050	25	10	1" BSPM	9
REF-DC50**	806051	50			18
REF-DC80**	806052	80			29
REF-DC100**	806053	100			36
REF-DC140**	806054	140			50
REF-DC200**	806055	200			72
REF-DC300**	806056	300			108
REF-DC400**	806057	400			144
REF-DC500	807780	500		1 1/4" BSPM	165
REF-DC600	807781	600			200

Note: Codes marked \*\* are WaterMark approved to WMTS-485:2018 Certificate No. 23340



Image of 50L - 400L free standing versions

## REFLEX ACCESSORIES:

Part Number	Item Code	Description	Image
REF-WALLBRACKET	806107	Wall Bracket suit tanks 8L – 25L	
REF-LOCKSHIELD1	806108	Lockshield valve for maintenance and detachment of expansion vessels with drainage. According to DIN EN 12828. PN 10/120°C	
REF-PG	806109	Digital Pressure Gauge 0 – 9 bar	
REF-1000MFCKIT*	702977	1" F x 1" M x 1000mm	
REF-1000MFECKIT*	702978	1" 90° F x 1" M x 1000mm	

\*Includes nuts, bolts, washers, thread tape and instruction sheet for mounting pumps onto horizontal pressure tanks. Some dealer supplied fittings may be required for some pressure systems. Maximum working pressure 2070kPa, rigid pipework is recommended.

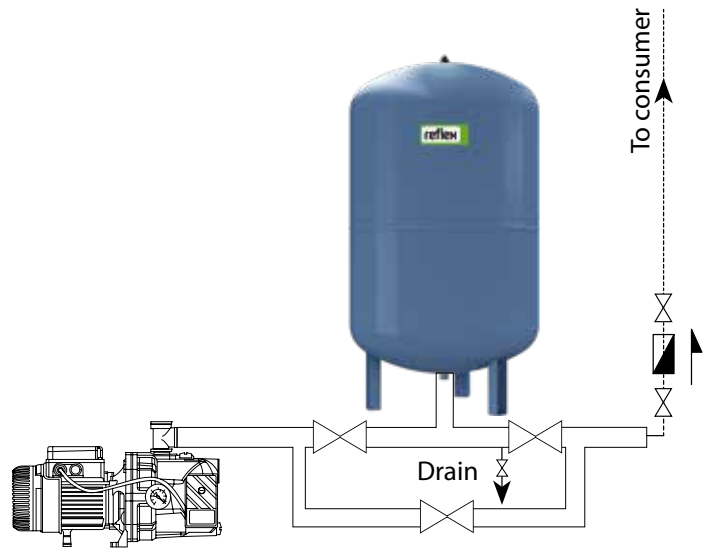
# REFLEX APPLICATIONS

## VESSEL ON A PRESSURE SYSTEM

With the vessel mounted on the discharge side of the booster system, the numbers of pump starts are reduced and also pump starts at small draw-offs are totally eliminated. This reduces pump wear and extends pump life time. Maintenance of the vessel can be done without shutting off the water supply with the shown pipework.

Diaphragm expansion tank mounted on discharge side of pump

Cut-in pressure of pump	Precharge pressure of tank
2 bar	1.8 bar
3 bar	2.8 bar
4 bar	3.7 bar
5 bar	4.7 bar
6 bar	5.7 bar
7 bar	6.6 bar
8 bar	7.5 bar
9 bar	8.5 bar
10 bar	9.5 bar
11 bar	10.5 bar
12 bar	11.5 bar
13 bar	12.5 bar



## PRE-CHARGE INSTRUCTIONS

1. Pressure switch controlled pumps with differential pressure set at 140 kPa (20 psi), pre-charge the tank to 20 kPa (3 psi) below the cut in pressure.
2. For pumps controlled by pressure switches with higher differential pressures, electronic controls or variable speed controls, pre-charge the tank to 65% of the maximum system pressure.
3. Pressure tanks installed on mains pressure, pre-charge should be set at the mains pressure.
4. For hot water expansion, pre-charge should be set at the mains pressure.

## CUT IN PRESSURE

		1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
CUT OUT PRESSURE	2.5	1.30	1.80	Green cells - precharge is 20kpa below cut in pressure					
	3.0	1.66	1.80	2.30	Blue cells - precharge is 66.6% of cut out pressure				
	3.5	2	1.80	2.30	2.80				
	4.0	2.33	2.33	2.33	2.80	3.30			
	4.5	2.66	2.66	2.66	2.80	3.30	3.80		
	5.0	3	3	3	2.80	3.30	3.80	4.30	
	5.5	3.33	3.33	3.33	3.33	3.30	3.80	4.30	4.80
	6.0			3.66	3.66	3.66	3.80	4.30	4.80
	6.5			4	4	4	4	4.30	4.80
	7.0			4.33	4.33	4.33	4.33	4.33	4.80
	8.0			4.99	4.99	4.99	4.99	4.99	4.99
9.0				5.66	5.66	5.66	5.66	5.66	

**Available from your local DAB distributor:**

DAB-NZ\_DOMESTIC-PUMPS-BROCHURE\_APRIL2021

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