

## PRODUCT DETAILS



The DAB JINOX102PRO pairs the stainless steel, self-priming JINOX102M centrifugal pressure pump with the highly versatile BIANCO NXT PRO dual mode pump controller. The NXT PRO offers unparalleled pump control and protection.

This pressure system is particularly suited to water supply in domestic installations, small-scale agriculture, gardening and wherever self-priming operation is required.

DAB Jinox pumps are renowned for their unique self priming and extraordinary deep suction capability; up to 8 metres at sea level.

## APPLICATIONS

- Household water supply - medium to larger dwellings
- Light garden irrigation
- Water transfer
- Washing systems
- Pressure boosting

## PUMP FEATURES

- Motor support in cast iron, technopolymer impeller, diffuser, Venturi tube and sand guard. Stainless steel adjustment rings and pump body
- Carbon/ceramic mechanical seal.
- Asynchronous motor closed and cooled by external ventilation. Max Ambient temp 40 deg C
- Built-in thermal and current overload protection and a capacitor permanently on in the single-phase versions.

Fitment of a 3, 8 or 18 litre pressure vessel is encouraged to reduce pump starts and save energy.

Whenever the controller is operated in Mode 2 (Pressure switch) fitment of a pressure vessel is mandatory

## TECHNICAL DATA

<b>OUTPUT POWER (KW)</b>	0.75kW P2
<b>MAX. HEAD [M]</b>	53.8M
<b>MAX. FLOW L/MIN</b>	60 l/min
<b>MAX PRESSURE - PUMP</b>	8 bar
<b>MAX PRESSURE - CONTROL</b>	10 bar
<b>LIQUID TEMPERATURE</b>	2 - 35 deg C
<b>MOTOR</b>	Asynchronous TEFC
<b>MOTOR INSULATION</b>	F Class insulation
<b>MOTOR PROTECTION</b>	In-built thermal overload
<b>PROTECTION CLASS</b>	IP44. Terminal board I.P.55

<b>RATED VOLTAGE</b>	220 - 240V 1Ph 50 Hz
<b>RATED CURRENT</b>	5.1A
<b>CAPACITOR</b>	16uF 450V
<b>POWER CABLE</b>	1.5m long 10 amp rated H05 flex 10 amp 3 pin plug
<b>PUMP BODY</b>	AISI 304 X5 Cr Ni 1810 UNI 6900/71
<b>INTERNALS</b>	Technopolymer A
<b>MECHANICAL SEAL</b>	Carbon/Ceramic
<b>AUTOMATIC OPERATION</b>	Yes: BIANCO NXT PRO
<b>PACKAGE DIMENSION</b>	L470 x W240 x H240mm
<b>GROSS WEIGHT (KG)</b>	9.6kg pump, 2.1kg controller

## PRODUCT DETAILS

BiANCO NXT PRO is a single pump, dual mode, digital, electronic pump controller.

The PRO controller has a number of optional advanced features but out of the box, the NXT PRO is simple to use.

Mode 1. (Default) Pressure controller

Starts as pressure falls to a user adjustable level.

Stops when flow falls to less than 1 l/min.

Mode 2. Pressure switch (requires pressure tank)

Starts and stops according to user adjustable settings

With full push-button programming, NXT PRO has a digital display to provide information about the running state of the pump

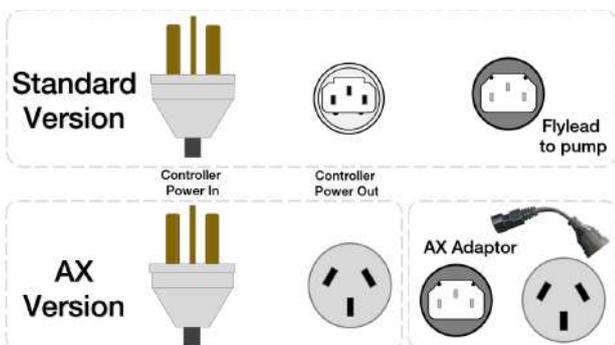


## APPLICATIONS

- Control of pressure pumps up to 2.2kW (16 amp)
- Suitable for clean, non-volatile liquids without fibres or solids including potable water

## ADVANCED FEATURES

- Swivel unions - 1" or 1 1/4" BSPM
- Pump Protections: Dry run, Low flow, Frequent start, Underload, Overload, Over pressure, Anti-seize, Maximum continuous run time
- No reactive metal parts in contact with the water
- Generator compatible
- Removable pressure accumulator exposes 1" BSPF port

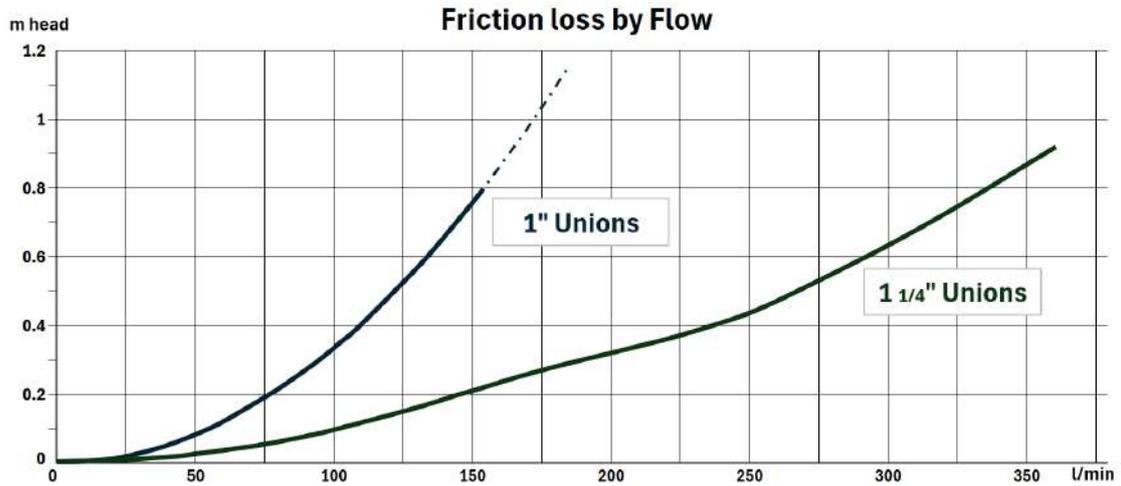


## CONTROLLER TECHNICAL DATA

INPUT VOLTAGE	80 - 260 AC 1 Phase
MAX. WORKING TEMP	35 deg C
MAX TEMP	60 deg C
MAX RATED PRESSURE	10 bar
MAX RATED FLOW	1" Port: 150 l/m @ 0.8 bar loss 1 1/4" Port: >350 l/m @ 0.8 bar loss
INLET/OUTLET	1" BSPM / 1" BSPM (std)
NET WEIGHT	2.1kg

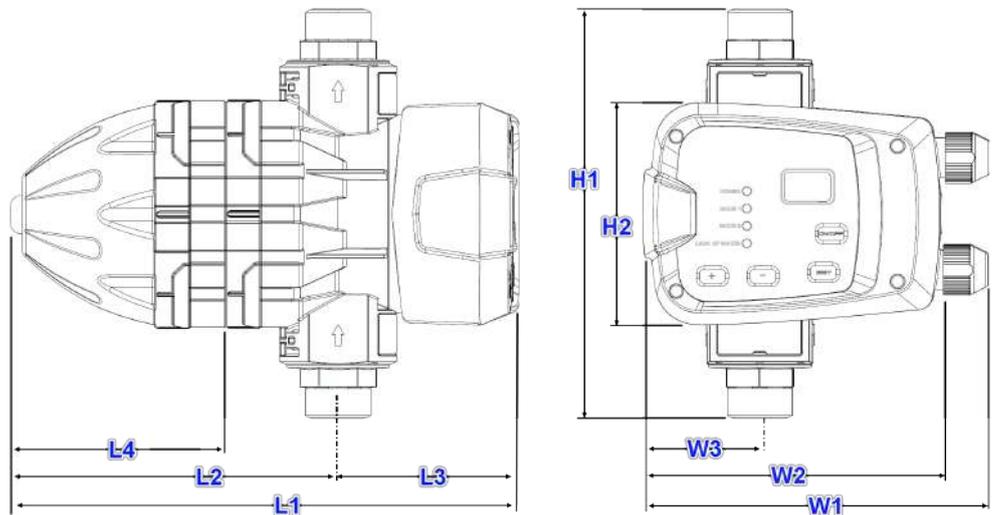
MAXIMUM CURRENT	16 Amps
NOMINAL PUMP POWER	2.2 kW
INGRESS PROTECTION	IP65
AUTOMATIC	Yes, with dry run protection
DEFAULT START PRESSURE	2.2 bar - adjustable
POWER CABLE	1.5m H05, 10 amp plug Controller to pump - options.
PACKAGING DIMENSIONS	220 x 230 x 200

## CONTROLLER CURVE



## DIMENSIONS

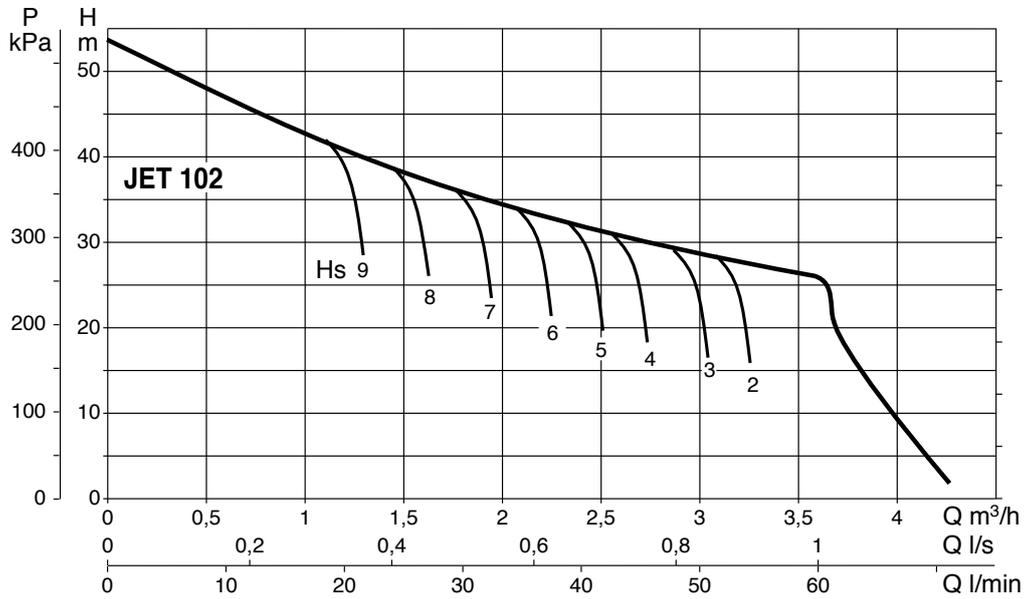
DIMENSIONS	
H1	212mm
H2	115mm
W1	175mm
W2	152mm
W3	57mm
L1	261mm
L2	93mm
L3	168mm
L4	(121mm)



## WARRANTY / CERTIFICATIONS

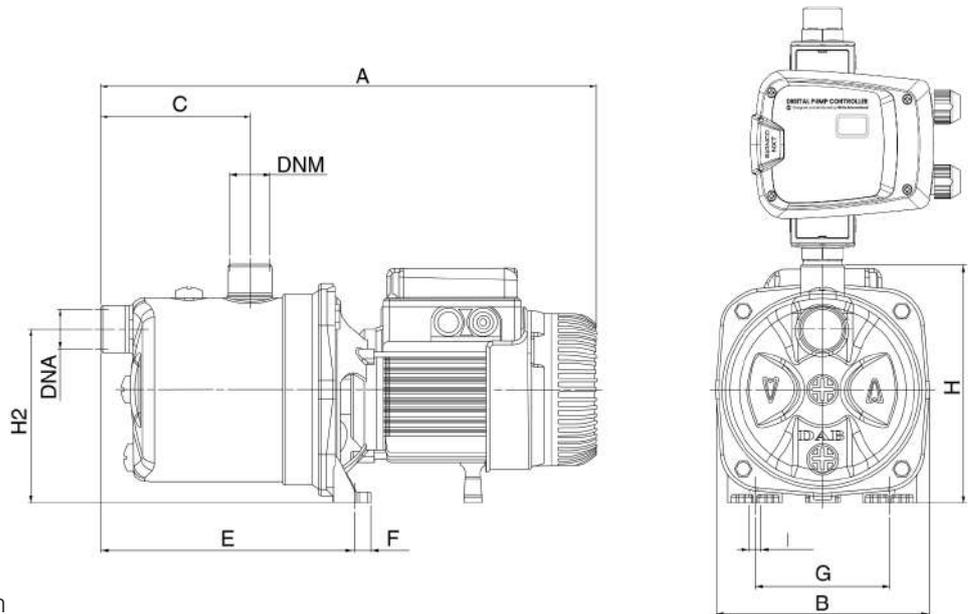


## CURVE



## DIMENSIONS

A	424
B	174
C	122
E	207
F	14
G	111
H	197
H2	144
I	Dia 9
DNA	1" GAS
DNM	1" GAS



Height with controller fitted  
 H2 + approx 246mm = 390mm

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