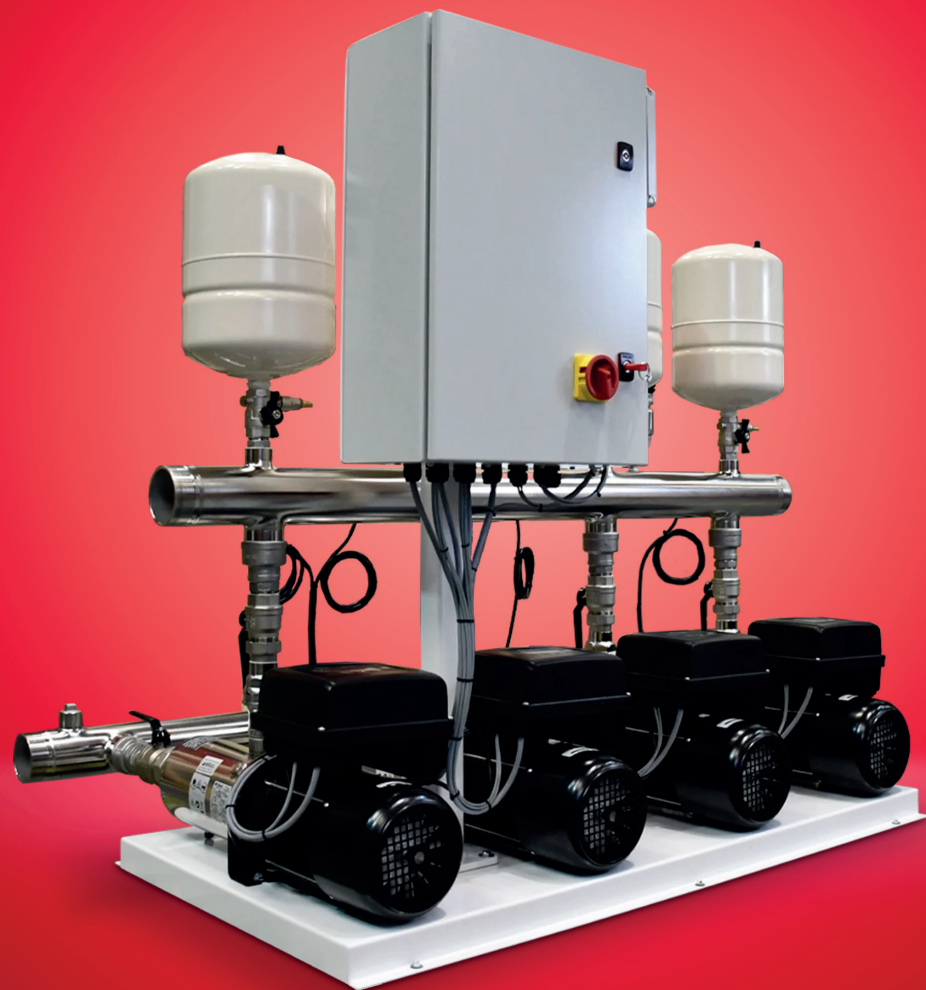




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FLOWBOOST PRO COLD WATER BOOSTER SET



Last updated:
08/08/24

Flowboost Pro

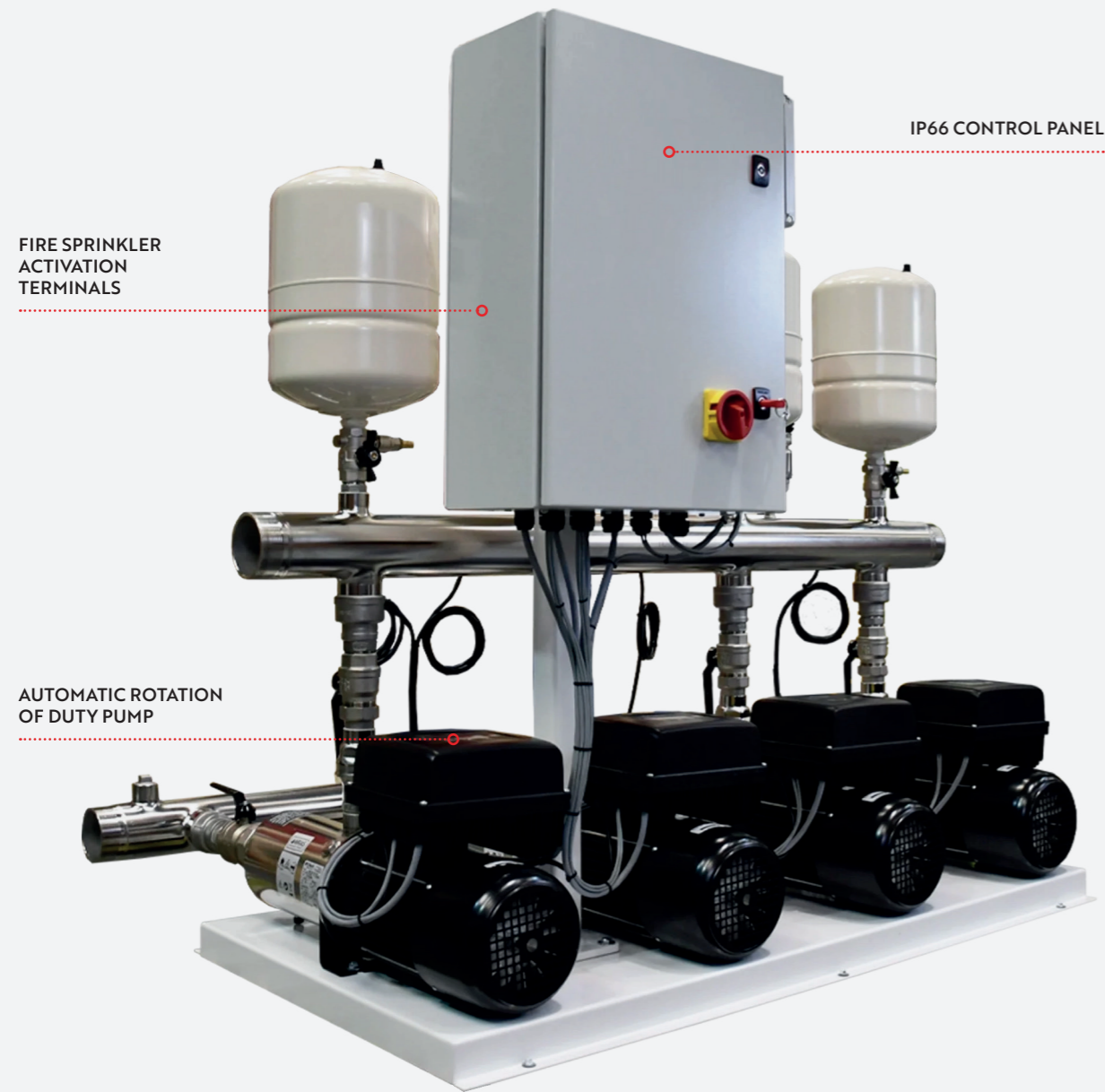
Pro range of variable speed boosters.

PRODUCT OVERVIEW

- Regulation 4/WRAS-approved stainless steel horizontal multi-stage pumps
- Stainless steel suction and discharge manifolds and fittings
- Low water level facility and BMS volt-free contacts (2 inputs and 2 outputs)
- Efficient leakage monitoring to protect pumps in the event of repeated starts



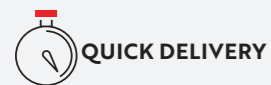
Key Features



FIRE SPRINKLER
ACTIVATION
TERMINALS

IP66 CONTROL PANEL

AUTOMATIC ROTATION
OF DUTY PUMP



Specification

The Flowboost Pro is a range of variable speed booster sets that utilises a robust control philosophy through the use of an IP66 metal control panel incorporating relevant MCBs, relays, and terminals connected to IP55 pump motor mounted E-Motion variable speed inverter drives, which offer a wide array of features from the digital display.

The booster set range has KIWA Regulation 4 approval and has been designed using Regulation 4/WRAS-approved pumps, valves, flow-through valves, and vessels.

These units are suitable for commercial and industrial use and are fully wired and tested prior to despatch.

PRODUCT OVERVIEW

- Regulation 4/WRAS-approved stainless steel horizontal multi-stage pumps
- Regulation 4/WRAS-approved isolating valves and non-return valves
- Regulation 4/WRAS-approved flow through valve and anti-cycle vessel arrangement
- Stainless steel suction and food-grade discharge manifolds
- Suitable for a single phase 230 V or 3 phase 415 V supply
- Pump-mounted inverter
- Robust steel powder-coated base
- Power supply under and over voltage display
- Digital operation/error status signalling via LEDs and on-screen alerts display
- Efficient leakage monitoring to protect pumps in the event of repeated starts
- Intelligent overload cut out to increase the longevity of inverters
- Low water level facility and BMS volt-free contacts (2 inputs and 2 outputs)
- Automatic rotation of duty pump to ensure even wear
- Communicates with up to 8 pumps
- Slow fill facility (adjustable timings) on power interruption and low water level activation
- Fire sprinkler activation terminals
- Common and individual pump BMS fault contacts

RANGE PERFORMANCE

Number of pumps	2-4
Flow range	0.5 – 14 l/s
Pressure range	2.5 – 10 bar
Max system pressure	16 bar
Controller type	Motor mounted
Max system temperature	40°C
Noise data	Motor at 3600 rpm <70LpA

*Higher temperature options available; please contact the sales team. **More specific details available on request.

MATERIAL SPECIFICATION

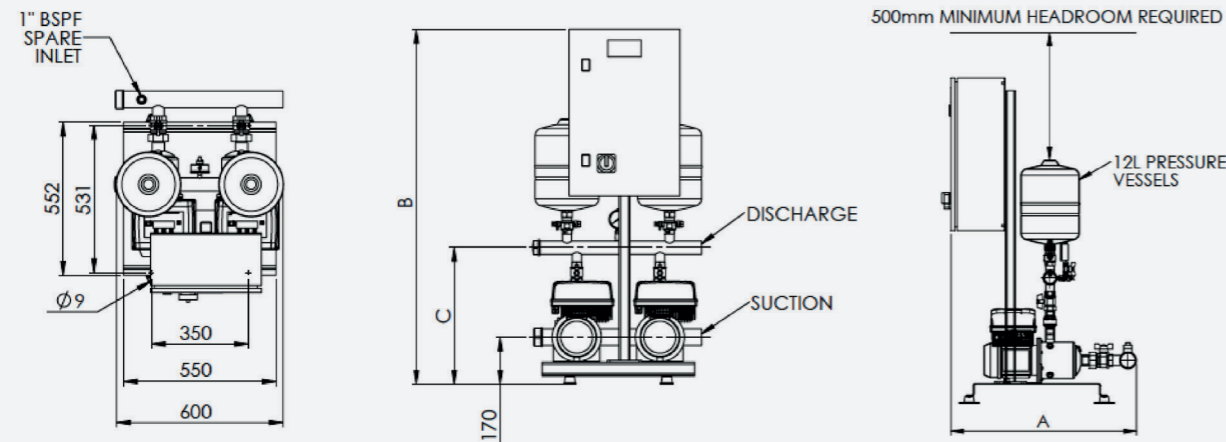
Manifolds	AISI 316 stainless steel
Isolation valves	AISI 304 stainless steel
Non-return valves	AISI 304 stainless steel
Pressure transducers	AISI 304 Stainless Steel
Pump casing	AISI 304 stainless steel
Pump impellers	AISI 304 stainless steel
Mechanical seals	Silicon carbide, graphite, EPDM
Pressure vessels	WRAS approved
Base plate	Powder-coated mild steel

Flowboost Pro 2V.E.K.H Series

DRAWINGS AND DIMENSIONS

Model no.	Motor power per pump (kW)	Full load current per pump (A)		Suction DNI	Discharge DN2	Dimensions (mm)		
		1 phase	3 phase			A (depth)	B** (height)	C (discharge centre)
PRO-2V.E.K.H.*.3005	0.75	2.7	1.6	2" BSP	1 ½" BSP	730	1280	495
PRO-2V.E.K.H.*.3007	1.1	3.6	2.1	2" BSP	1 ½" BSP	780	1280	495
PRO-2V.E.K.H.*.3009	1.5	5.1	3	2" BSP	1 ½" BSP	825	1280	495
PRO-2V.E.K.H.*.5004	1.1	3.2	1.9	2" BSP	1 ½" BSP	705	1280	495
PRO-2V.E.K.H.*.5005	1.1	3.7	2.2	2" BSP	1 ½" BSP	730	1280	495
PRO-2V.E.K.H.*.5006	1.5	5	2.9	2" BSP	1 ½" BSP	755	1280	495
PRO-2V.E.K.H.*.5007	1.5	5.5	3.2	2" BSP	1 ½" BSP	780	1280	495
PRO-2V.E.K.H.*.5009	2.2	7.4	4.3	2" BSP	1 ½" BSP	825	1280	495
PRO-2V.E.K.H.*.9004	1.5	5.5	3.2	2 ½" BSP	2" BSP	750	1280	525
PRO-2V.E.K.H.*.9005	2.2	7.1	4.1	2 ½" BSP	2" BSP	780	1280	525
PRO-2V.E.K.H.*.9006	2.2	8.2	4.7	2 ½" BSP	2" BSP	810	1280	525
PRO-2V.E.K.H.*.9008	3	-	6.9	2 ½" BSP	2" BSP	870	1280	525

*The Asterisk in the model number will be replaced with either a 1 or 3, depending on whether the unit is single-phase or three-phase
 **AV mounts add 30 mm to the height of the booster set.

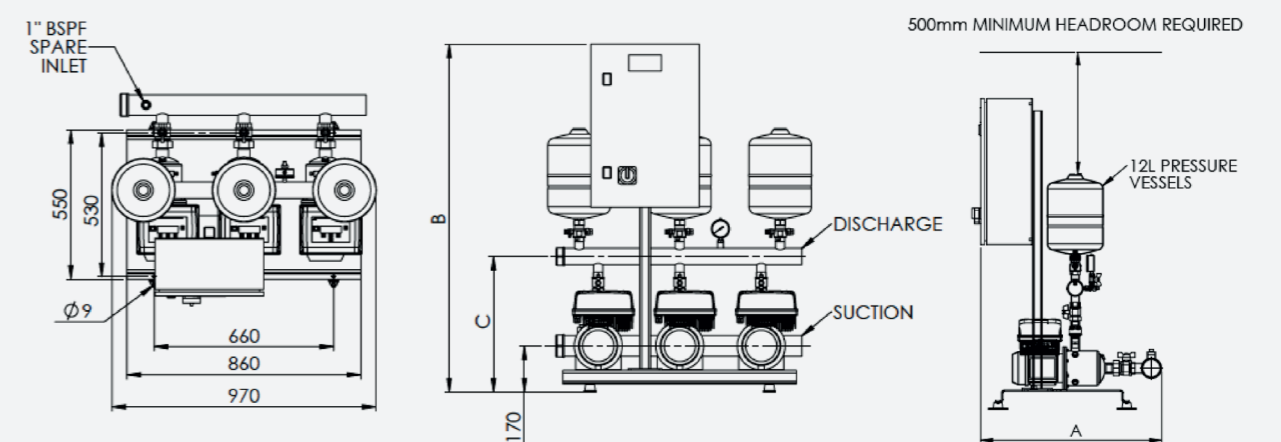


Flowboost Pro 3V.E.K.H Series

DRAWINGS AND DIMENSIONS

Model no.	Motor power per pump (kW)	Full load current per pump (A)		Suction DNI	Discharge DN2	Dimensions (mm)		
		1 phase	3 phase			A (depth)	B** (height)	C (discharge centre)
PRO-3V.E.K.H.*.3005	0.75	2.7	1.6	2 ½" BSP	2" BSP	750	1280	500
PRO-3V.E.K.H.*.3007	1.1	3.8	2.1	2 ½" BSP	2" BSP	795	1280	500
PRO-3V.E.K.H.*.3009	1.5	5.5	3	2 ½" BSP	2" BSP	845	1280	500
PRO-3V.E.K.H.*.5004	1.1	3.8	2.1	2 ½" BSP	2" BSP	725	1280	500
PRO-3V.E.K.H.*.5005	1.1	3.8	2.2	2 ½" BSP	2" BSP	750	1280	500
PRO-3V.E.K.H.*.5006	1.5	5.5	2.9	2 ½" BSP	2" BSP	770	1280	500
PRO-3V.E.K.H.*.5007	1.5	5.5	3.2	2 ½" BSP	2" BSP	795	1280	500
PRO-3V.E.K.H.*.5009	2.2	7.4	4.3	2 ½" BSP	2" BSP	845	1280	500
PRO-3V.E.K.H.*.9004	1.5	5.5	3.2	3" BSP	2 ½" BSP	765	1280	530
PRO-3V.E.K.H.*.9005	2.2	7.4	4.1	3" BSP	2 ½" BSP	795	1280	530
PRO-3V.E.K.H.*.9006	2.2	7.4	4.7	3" BSP	2 ½" BSP	825	1280	530
PRO-3V.E.K.H.*.9008	3	-	6.9	3" BSP	2 ½" BSP	885	1280	530

*The Asterisk in the model number will be replaced with either a 1 or 3, depending on whether the unit is single-phase or three-phase
 **AV mounts add 30 mm to the height of the booster set.



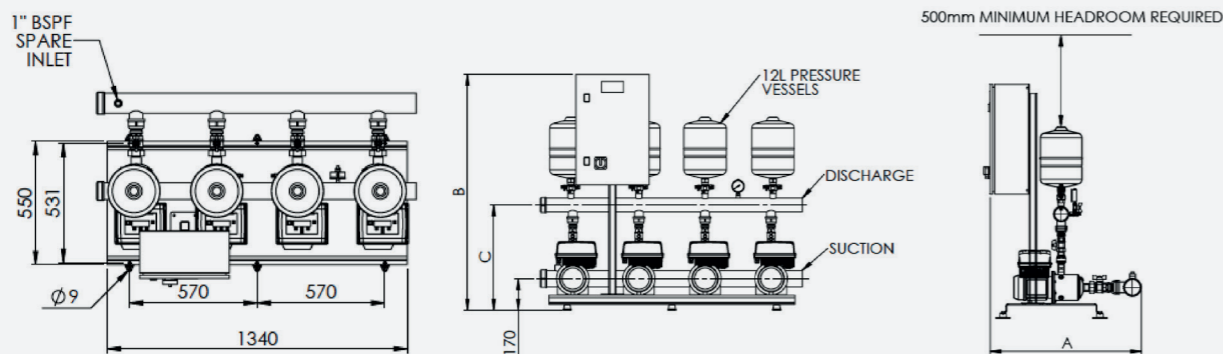
Flowboost Pro 4V.E.K.H Series

DRAWINGS AND DIMENSIONS

Model no.	Motor power per pump (kW)	Full load current per pump (A)		Suction DN1	Discharge DN2	Dimensions (mm)		
		1 phase	3 phase			A (depth)	B** (height)	C (discharge centre)
PRO-4V.E.K.H.*3005	0.75	2.7	1.6	3" BSP	2 ½" BSP	830	1280	570
PRO-4V.E.K.H.*3007	1.1	3.8	2.1	3" BSP	2 ½" BSP	880	1280	570
PRO-4V.E.K.H.*3009	1.5	5.5	3	3" BSP	2 ½" BSP	930	1280	570
PRO-4V.E.K.H.*5004	1.1	3.8	2.1	3" BSP	2 ½" BSP	810	1280	570
PRO-4V.E.K.H.*5005	1.1	3.8	2.2	3" BSP	2 ½" BSP	830	1280	570
PRO-4V.E.K.H.*5006	1.5	5.5	2.9	3" BSP	2 ½" BSP	855	1280	570
PRO-4V.E.K.H.*5007	1.5	5.5	3.2	3" BSP	2 ½" BSP	880	1280	570
PRO-4V.E.K.H.*5009	2.2	7.4	4.3	3" BSP	2 ½" BSP	930	1280	570
PRO-4V.E.K.H.*9004	1.5	5.5	3.2	3" BSP	3" BSP	845	1280	610
PRO-4V.E.K.H.*9005	2.2	7.4	4.1	3" BSP	3" BSP	875	1280	610
PRO-4V.E.K.H.*9006	2.2	7.4	4.7	3" BSP	3" BSP	905	1280	610
PRO-4V.E.K.H.*9008	3	-	6.9	3" BSP	3" BSP	965	1280	610

*The Asterix in the model number will be replaced with either a 1 or 3, depending on whether the unit is single-phase or three-phase

**AV mounts add 30 mm to the height of the booster set.



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**Let's talk about the
Flowboost Pro cold
water booster set**

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