



flowboost[®]

Flowboost PRIME E.K Range
Twin, Three & Four Pump
Horizontal Booster Sets

DATA SHEET

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Flowboost PRIME E.K Range Twin, Three and Four Pump Horizontal & Vertical Booster Sets



The Flowboost PRIME Range is a Variable Speed Booster Set manufactured with Regulation 4/WRAS Approved horizontal multi-stage pumps and pump mounted variable speed inverter drives with a vast array of features from the digital display, and available in single, twin and three and four pump configuration.

Suitable for domestic and commercial use.
Fully wired and tested.



- 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 discharge manifolds and fittings Food Grade
- Suitable for a 1 phase 230 volt or 3 phase 415 volt supply
- Pump Mounted Inverter
- Low water level facility and BMS Volt free contacts (2 Inputs and 2 Outputs)
- Automatic rotation of duty pump to ensure even wear
- Power supply under and over voltage display
- Robust steel powder coated base, compact size
- Digital operation/error status signalling via LED's and on screen alerts display
- Efficient leakage monitoring to protect pumps in the event of repeated starts
- Intelligent overload cut out to increase longevity of inverters
- Automatic Rotation of Duty Pump
- Flowcare 2 Year 24/7 response warranty available if commissioned by the manufacturer

DETAILED OVERVIEW



Electrical Panel

Comes with individual MCB circuit breaker per pump. Individual and common volt free contact connections



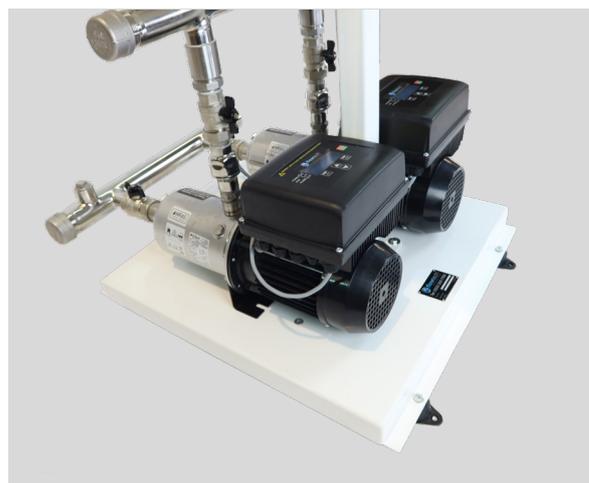
Pump Mounted Inverter

Digital operation/error status signalling via LED's and on screen alerts display. Can control up to 8 pumps.



Flow Through Anti Cycle Vessel

12 litre anti cycle vessel per pump complete with flow through valve



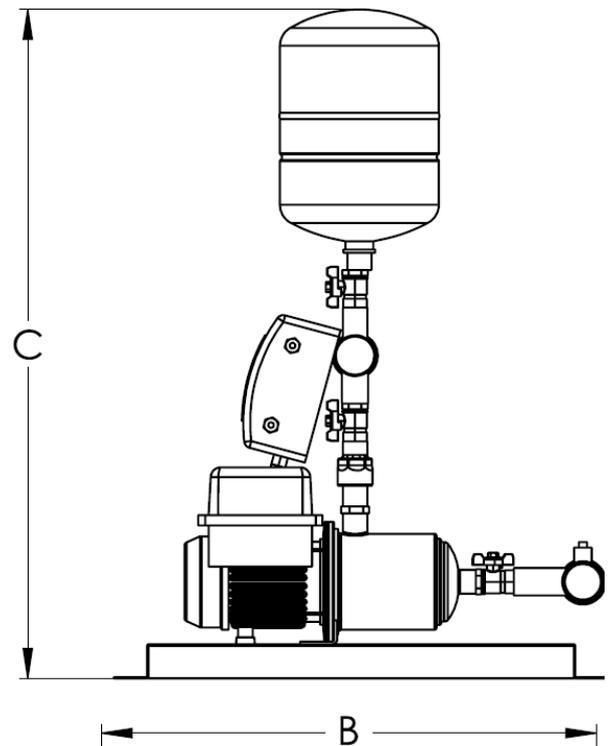
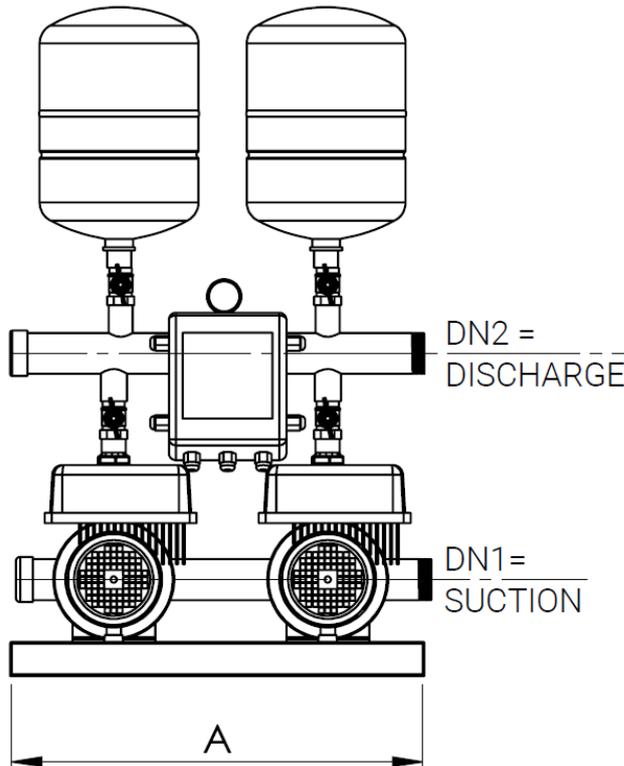
WRAS Approved Pump

AISI 304 Stainless Steel Horizontal Multi-stage Pumps

Twin Pump Models & Dimensions

MODEL	Kw Per Pump	F.L.C. AMPS Per Pump 1 Phase	F.L.C. AMPS Per Pump 3 Phase	Suction DN1	Discharge DN2	A WIDTH mm	B DEPTH mm	C HEIGHT mm
flowboost PRIME 2V.E.K.H.*3005	0.75	2.7	1.6	2" BSP	1½" BSP	600	671	975
flowboost PRIME 2V.E.K.H.*3007	1.1	3.6	2.1	2" BSP	1½" BSP	600	719	975
flowboost PRIME 2V.E.K.H.*3009	1.5	5.1	3.0	2" BSP	1½" BSP	600	767	985
flowboost PRIME 2V.E.K.H.*5004	1.1	3.2	1.9	2" BSP	1½" BSP	600	647	975
flowboost PRIME 2V.E.K.H.*5005	1.1	3.7	2.2	2" BSP	1½" BSP	600	671	975
flowboost PRIME 2V.E.K.H.*5006	1.5	5.0	2.9	2" BSP	1½" BSP	600	719	975
flowboost PRIME 2V.E.K.H.*5007	1.5	5.5	3.2	2" BSP	1½" BSP	600	719	975
flowboost PRIME 2V.E.K.H.*5009	2.2	7.4	4.3	2" BSP	1½" BSP	600	786	985
flowboost PRIME 2V.E.K.H.*9004	1.5	5.5	3.2	2½" BSP	2" BSP	600	697	1005
flowboost PRIME 2V.E.K.H.*9005	2.2	7.1	4.1	2½" BSP	2" BSP	600	746	1005
flowboost PRIME 2V.E.K.H.*9006	2.2	8.2	4.7	2½" BSP	2" BSP	600	776	1005
flowboost PRIME 2V.E.K.H.*9008	3.0	N/A	6.9	2½" BSP	2" BSP	600	871	1015

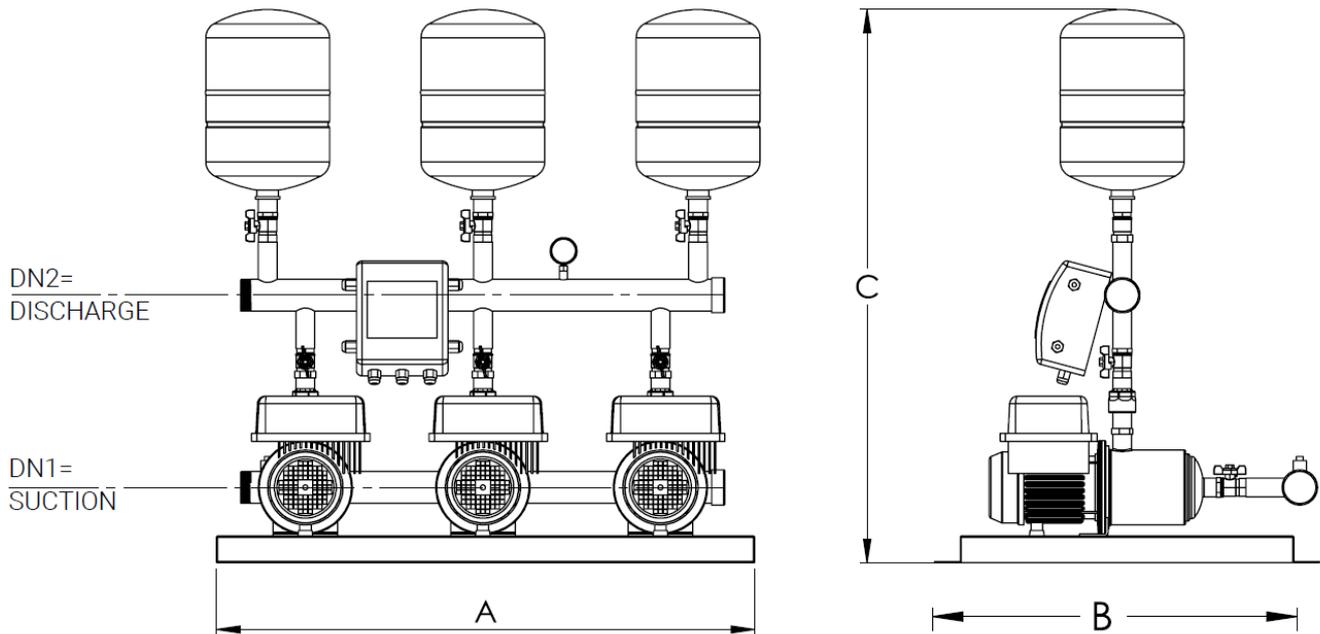
* AV Mounts add 30mm to the height of the booster set



Three Pump Models & Dimensions

MODEL	Kw Per Pump	F.L.C. AMPS Per Pump 1 Phase	F.L.C. AMPS Per Pump 3 Phase	Suction DN1	Discharge DN2	A WIDTH mm	B DEPTH mm	C HEIGHT mm
flowboost PRIME 3V.E.K.H.*3005	0.75	2.7	1.6	2 ½" BSP	2" BSP	900	686	980
flowboost PRIME 3V.E.K.H.*3007	1.1	3.6	2.1	2 ½" BSP	2" BSP	900	734	980
flowboost PRIME 3V.E.K.H.*3009	1.5	5.1	3.0	2 ½" BSP	2" BSP	900	782	990
flowboost PRIME 3V.E.K.H.*5004	1.1	3.2	1.9	2 ½" BSP	2" BSP	900	662	980
flowboost PRIME 3V.E.K.H.*5005	1.1	3.7	2.2	2 ½" BSP	2" BSP	900	686	980
flowboost PRIME 3V.E.K.H.*5006	1.5	5.0	2.9	2 ½" BSP	2" BSP	900	710	980
flowboost PRIME 3V.E.K.H.*5007	1.5	5.5	3.2	2 ½" BSP	2" BSP	900	734	980
flowboost PRIME 3V.E.K.H.*5009	2.2	7.4	4.3	2 ½" BSP	2" BSP	900	801	990
flowboost PRIME 3V.E.K.H.*9004	1.5	5.5	3.2	3" BSP	2 ½" BSP	900	717	1020
flowboost PRIME 3V.E.K.H.*9005	2.2	7.1	4.1	3" BSP	2 ½" BSP	900	766	1020
flowboost PRIME 3V.E.K.H.*9006	2.2	8.2	4.7	3" BSP	2 ½" BSP	900	796	1020
flowboost PRIME 3V.E.K.H.*9008	3.0	N/A	6.9	3" BSP	2 ½" BSP	900	891	1030

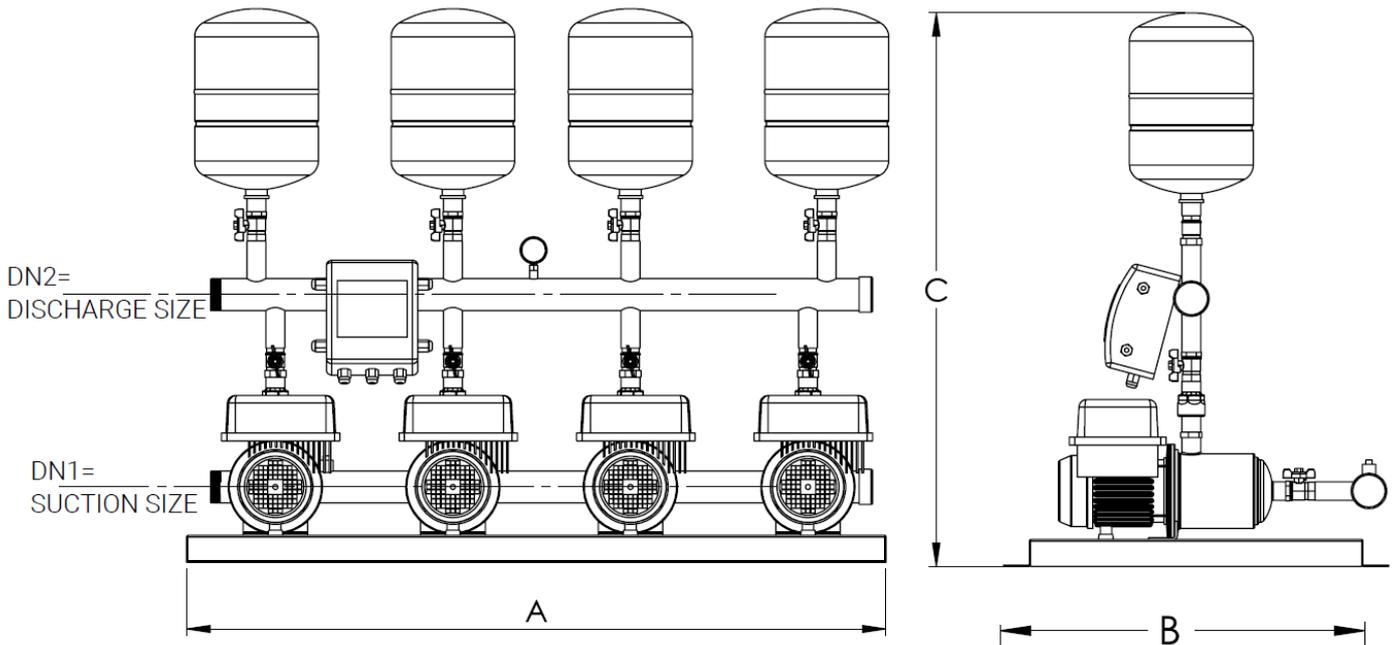
* AV Mounts add 30mm to the height of the booster set



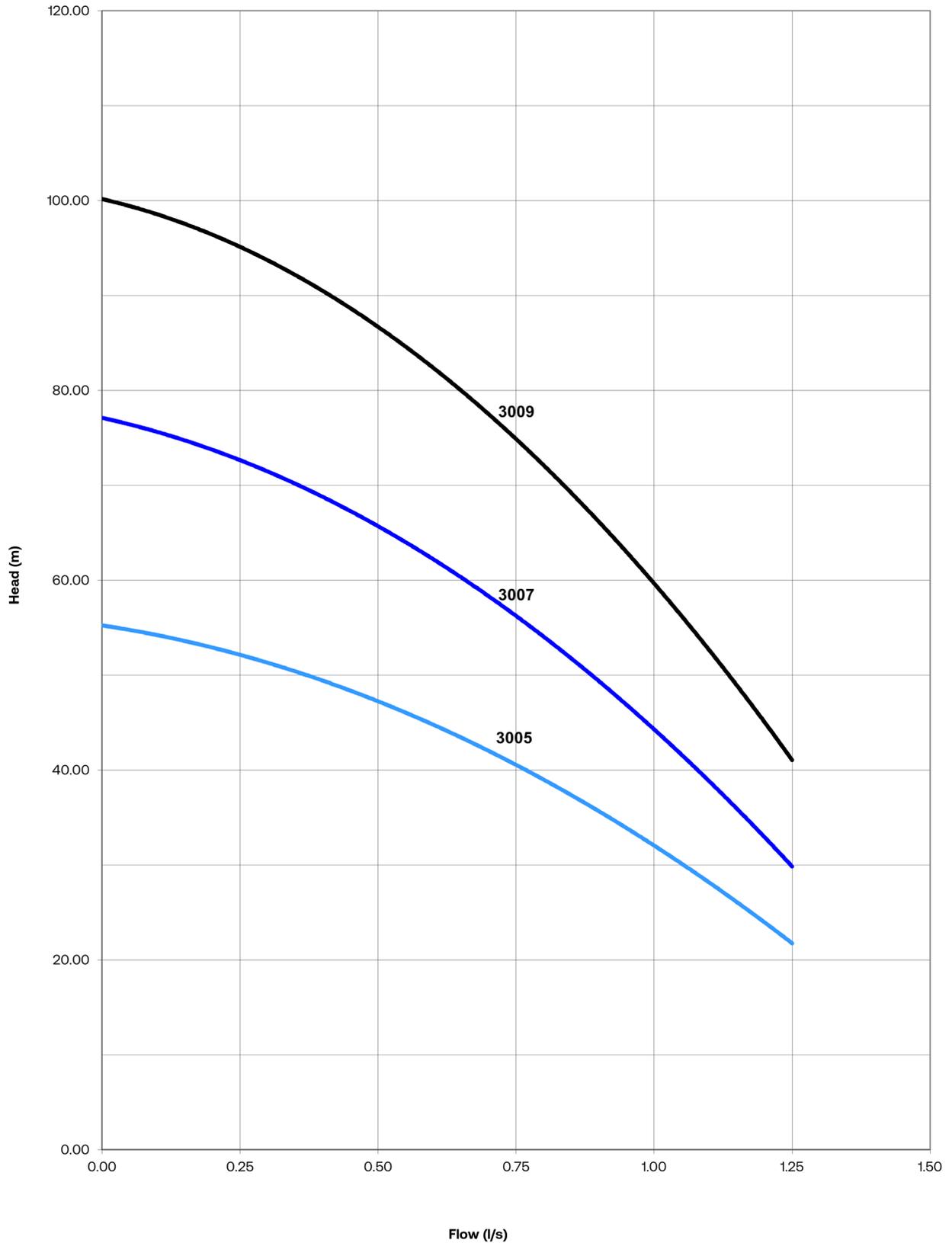
Four Pump Models & Dimensions

MODEL	Kw Per Pump	F.L.C. AMPS Per Pump 1 Phase	F.L.C. AMPS Per Pump 3 Phase	Suction DN1	Discharge DN2	A WIDTH mm	B DEPTH mm	C HEIGHT mm
flowboost PRIME 4V.E.K.H.*3005	0.75	2.7	1.6	3" BSP	2 ½" BSP	1420	771	1065
flowboost PRIME 4V.E.K.H.*3007	1.1	3.6	2.1	3" BSP	2 ½" BSP	1420	819	1065
flowboost PRIME 4V.E.K.H.*3009	1.5	5.1	3.0	3" BSP	2 ½" BSP	1420	867	1075
flowboost PRIME 4V.E.K.H.*5004	1.1	3.2	1.9	3" BSP	2 ½" BSP	1420	747	1065
flowboost PRIME 4V.E.K.H.*5005	1.1	3.7	2.2	3" BSP	2 ½" BSP	1420	771	1065
flowboost PRIME 4V.E.K.H.*5006	1.5	5.0	2.9	3" BSP	2 ½" BSP	1420	795	1065
flowboost PRIME 4V.E.K.H.*5007	1.5	5.5	3.2	3" BSP	2 ½" BSP	1420	819	1065
flowboost PRIME 4V.E.K.H.*5009	2.2	7.4	4.3	3" BSP	2 ½" BSP	1420	886	1075
flowboost PRIME 4V.E.K.H.*9004	1.5	5.5	3.2	3" BSP	3" BSP	1420	792	1115
flowboost PRIME 4V.E.K.H.*9005	2.2	7.1	4.1	3" BSP	3" BSP	1420	841	1115
flowboost PRIME 4V.E.K.H.*9006	2.2	8.2	4.7	3" BSP	3" BSP	1420	871	1115
flowboost PRIME 4V.E.K.H.*9008	3.0	N/A	6.9	3" BSP	3" BSP	1420	966	1125

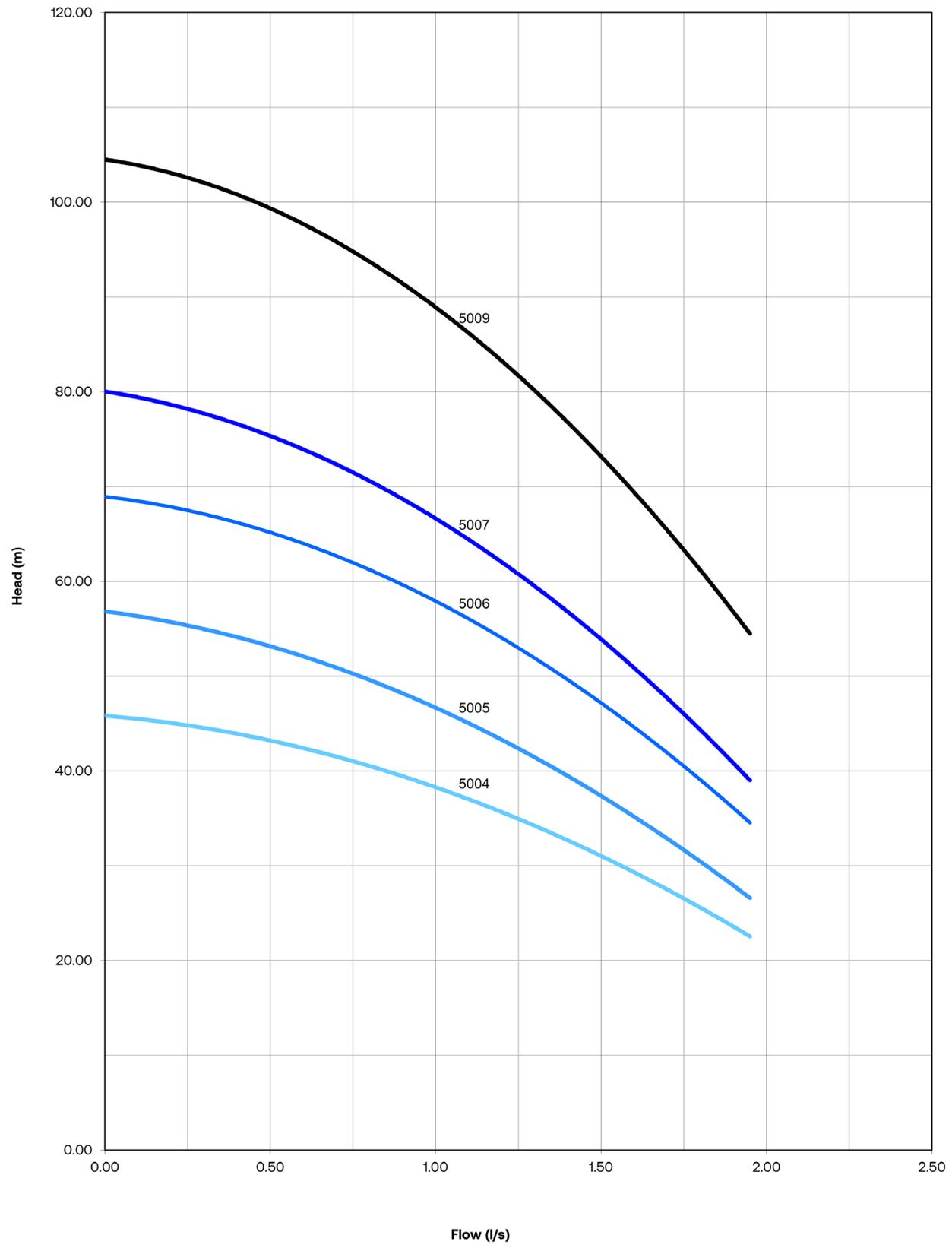
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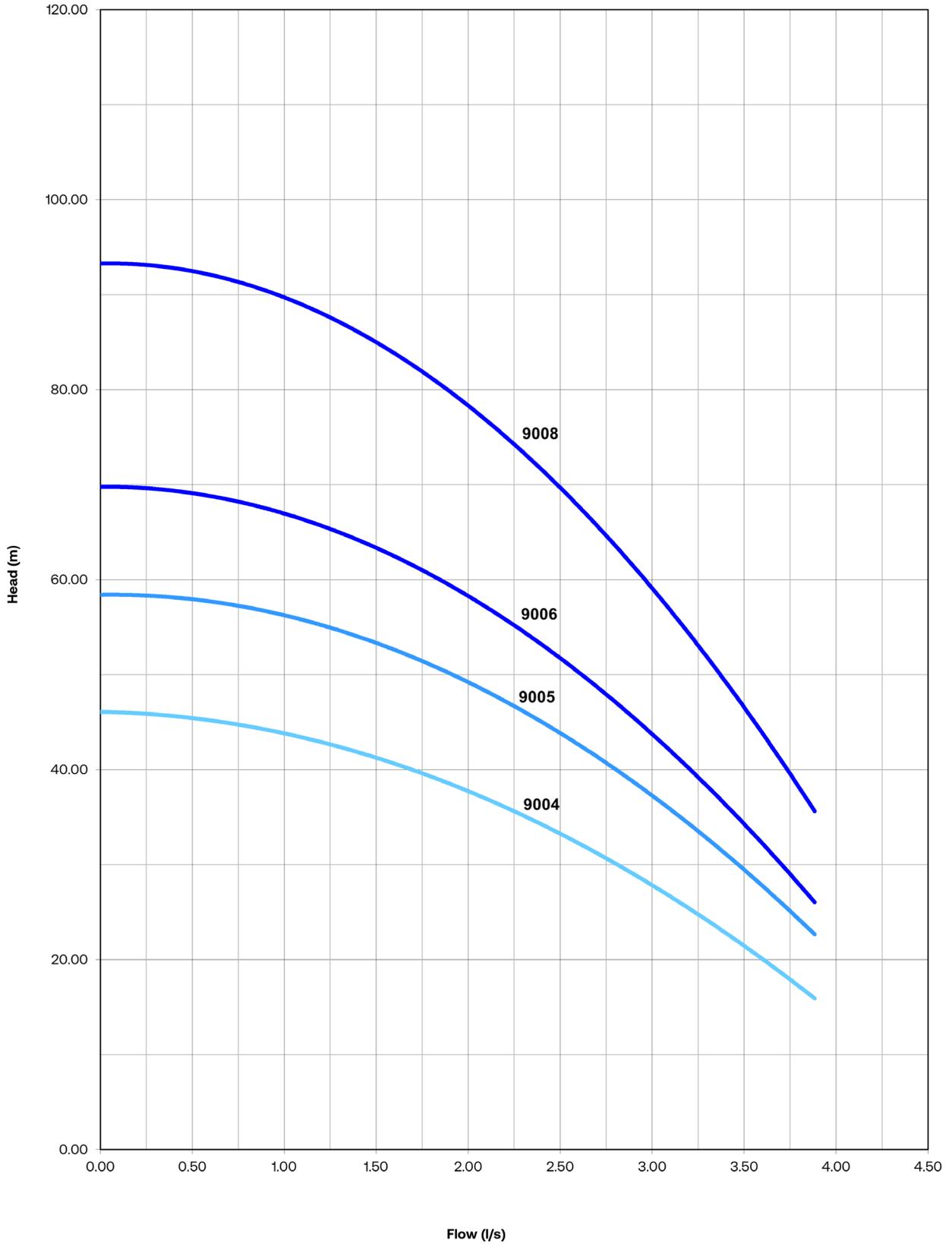
Performance Curve - 3 Range



Performance Curve - 5 Range



Performance Curve - 9 Range



OPTIONAL EXTRAS



Suction and Discharge Valve Kits

Suction and discharge isolating valve kits to aid in servicing and commissioning



Stainless Steel Flexible Connectors

Designed for installation on vibrating equipment to reduce the transmission of noise and vibration. WRAS Approved.



Anti Vibration Mounts

Flowmount anti vibration mounts for the base to reduce vibrations



Flowsafe Float Switch

5 or 10m float switch to provide low water protection and protect pumps from dry running in the event of mains water interruption

flowzone[®]

MEMBERS AREA

This section of the **flowtech**[®] website holds information exclusively for members. Members will need to log in to gain access to these pages.

Our member's will be granted exclusive access to our technical resource library. Within this resource is a wide range of product information including data sheets, technical drawings, O&M Manuals and training videos



flowcare[®]

AFTER SALES SERVICE

At **flowtech**[®] we operate a network of Service Engineers located throughout the UK who are supported by our offices located in Greater Manchester. The distribution of engineers means that in the majority of cases we are less than 4 hours away from attending a customer call out.

We place great emphasis on providing technical back up to support our Service Engineers in resolving some difficult operational and technical issues. We pride ourselves on completing a project on time, within budget and never leaving a problem unresolved, or a customer waiting. This quality of service has made us the first choice for our customers.

FOR FURTHER INFORMATION OR ASSISTANCE

contact us

Flowtech Water Solutions are experts in water services and water booster sets. We have continuously supplied a wide range of standard and custom products since being founded in 1996.

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