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# AIRBREAK VQ CAT 5 BOOSTER SET



# AirBREAK VQ

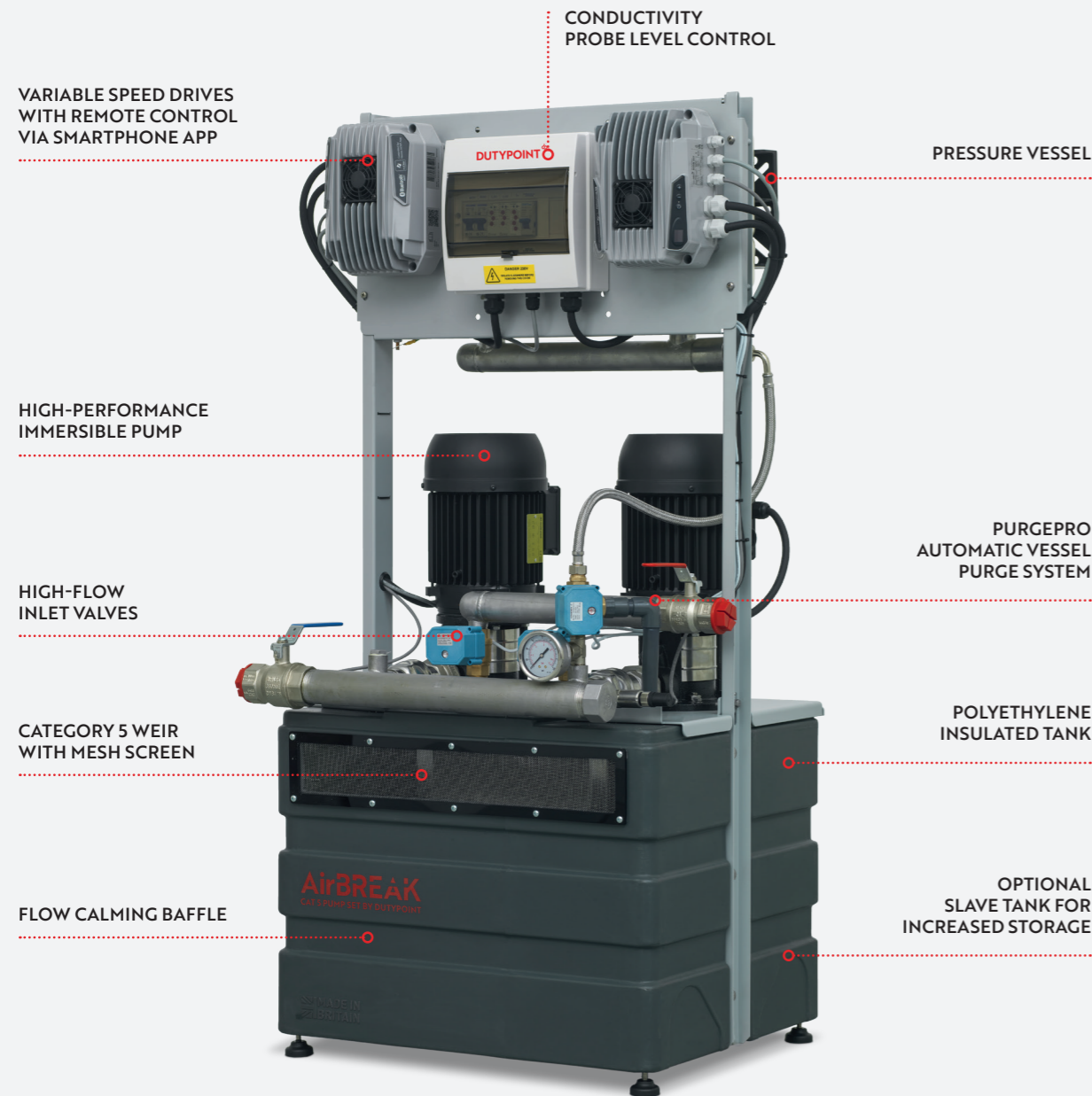
## Variable speed high-performance set.

### PRODUCT OVERVIEW

- Dual full-bore motorised inlet valves for reliable ultra-high top-up flow rate
- PurgePRO automatic pressure vessel purge function
- High-efficiency variable speed control



# Key Features



# Specification

The WRAS-approved AirBREAK VQ is a space-saving, high-performance variable speed single pump combined break tank and booster pump designed for Category 5 backflow protection applications, available as single or twin pump configurations. With its unique immersible type pump design, the VQ delivers unrivalled performance for its footprint.

The premium variable speed control system incorporates intelligent pump control to maximise efficiency across a wide range of duty requirements.

PurgePRO automatic pressure vessel purge function and anti-seize are included as standard.

## PRODUCT OVERVIEW

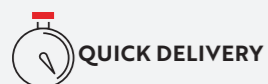
- Industry-leading performance for its footprint
- Single or twin pump options
- Dual full-bore motorised inlet valves for reliable ultra-high top-up flow rate
- Integrated flow calming system to reduce turbulence
- 90-litre (single pump) or 120-litre (twin pump) nominal tank capacity
- 1no or 2no 8-litre pressure vessels
- Common fault volt-free contact
- PurgePRO automatic pressure vessel purge function
- Anti-seize technology
- Advanced EMC compatibility and power factor correction (PFC)
- Smartphone app control
- Insulated tank

## RANGE PERFORMANCE

Flow range	0 - 4 l/s
Pressure range	1 - 16 bar
Pressure control type	Variable speed
Maximum system pressure	10 bar/16 bar
Tank capacity (nominal)	90 - 120 litres
Power supply	230 V 1ph 50 Hz or 400 V 3ph 50 Hz
IP rating	IP44
Inlet connection	1 1/2" BSP
Outlet connection	1 1/2" BSP
Air gap category	Category 5 (AB)
Overflow connection	40 mm
Tank construction	Polyethylene

## OPTIONS

- High-level alarm VFC
- High-temperature alarm VFC
- High-temperature alarm with an automatic purge
- Weir overflow catch tray with a piped outlet to waste
- Tank drain valve
- Slave tank to double capacity
- Weatherproof kiosk with frost stat, heater and consumer in
- Drip tray c/w level sensor linked to inlet cut-off

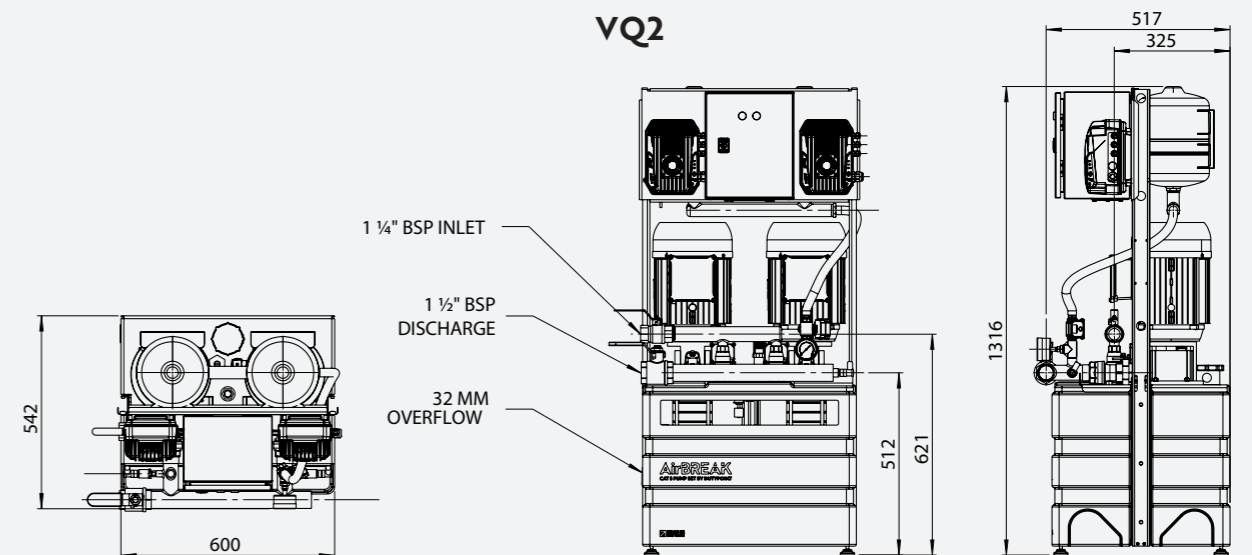
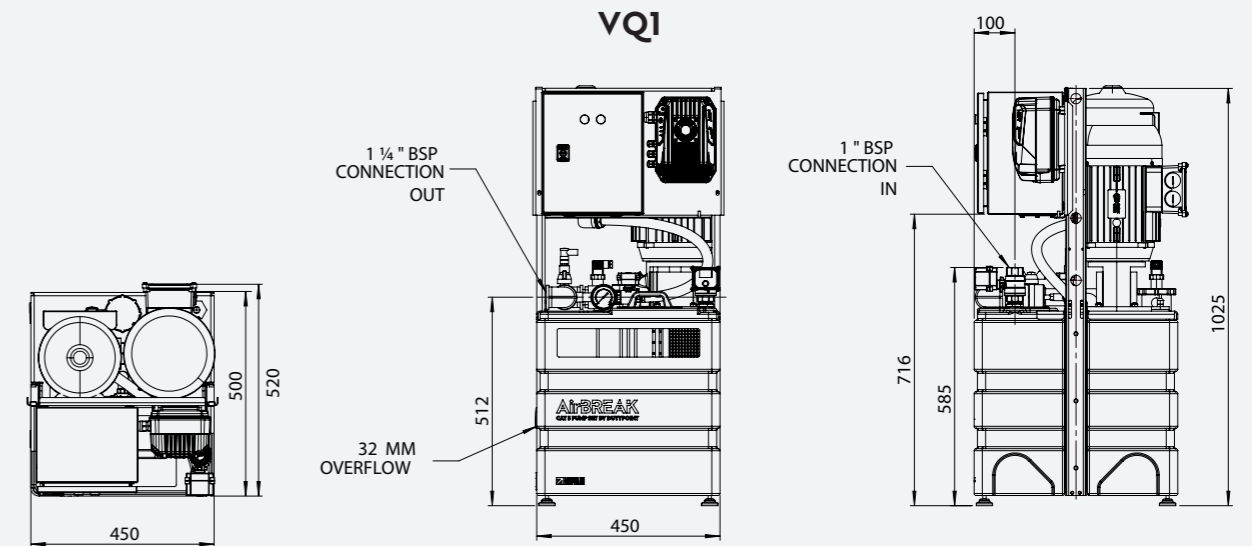


# VQ03/05

# VQ1/VQ2

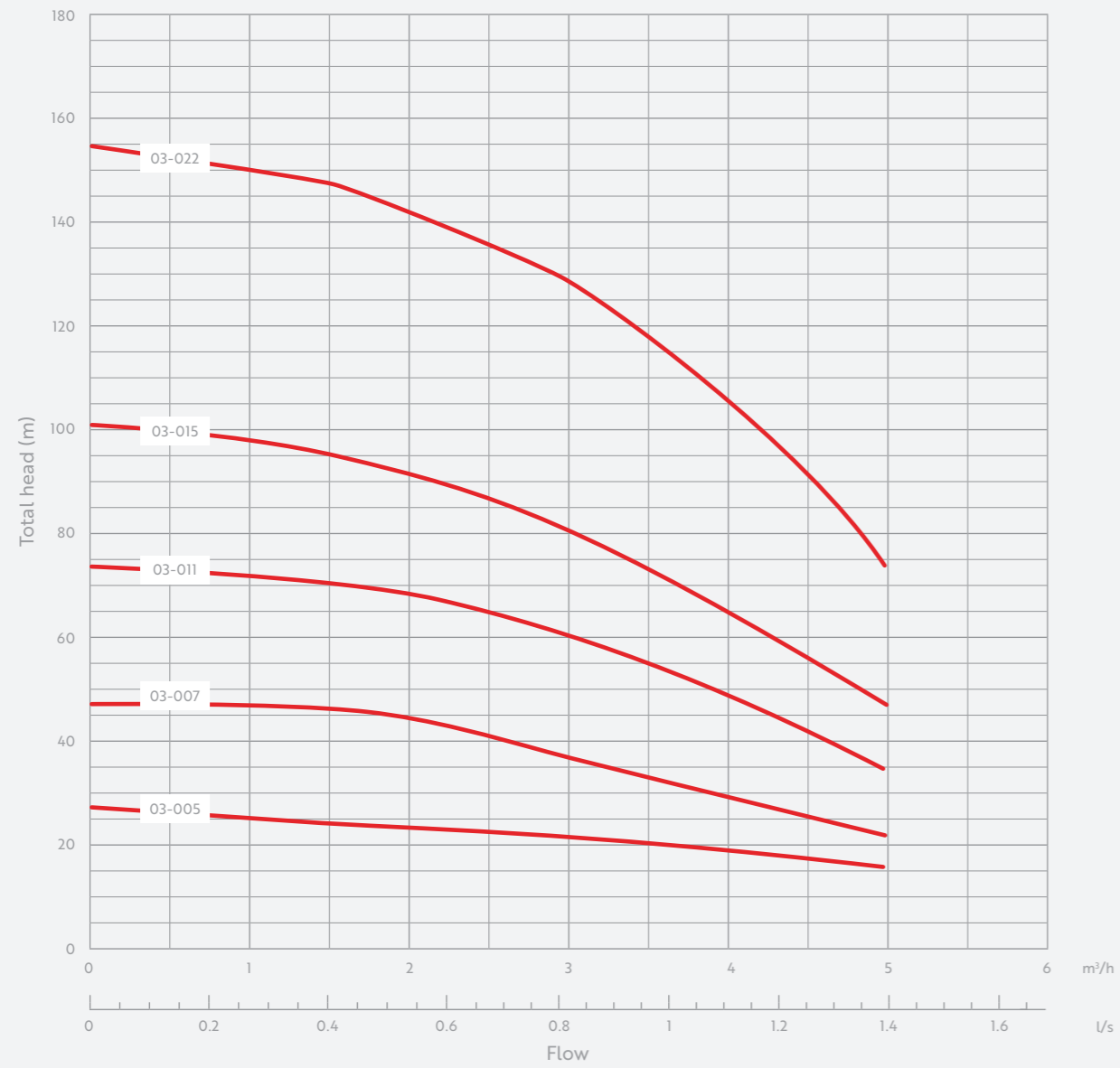
## DRAWINGS AND DIMENSIONS

Model no.	No. of pumps	Motor power p2 (kW)	Supply voltage	FLC (A, per pump)	Tank nominal capacity (L)	Total weight (kg)
VQ1-03-005M	1	0.55	230/1/50	2.3	90	57
VQ1-03-005T	1	0.55	400/3/50	1.4	90	57
VQ1-03-007M	1	0.75	230/1/50	2.9	90	62
VQ1-03-007T	1	0.75	400/3/50	1.7	90	62
VQ1-03-011M	1	1.1	230/1/50	4.1	90	65
VQ1-03-011T	1	1.1	400/3/50	2.4	90	65
VQ1-03-015M	1	1.5	230/1/50	5.4	90	70
VQ1-03-015T	1	1.5	400/3/50	3.1	90	70
VQ1-03-022T	1	2.2	400/3/50	4.4	90	72
VQ1-05-011M	1	1.1	230/1/50	4.1	90	60
VQ1-05-011T	1	1.1	400/3/50	2.4	90	60
VQ1-05-015M	1	1.5	230/1/50	5.4	90	65
VQ1-05-015T	1	1.5	400/3/50	3.1	90	65
VQ1-05-022T	1	2.2	400/3/50	4.4	90	70
VQ1-05-030T	1	3	400/3/50	5.6	90	74
VQ1-05-040T	1	4	400/3/50	7.4	90	78
VQ2-03-005M	2	0.55	230/1/50	2.3	120	89
VQ2-03-005T	2	0.55	400/3/50	1.4	120	89
VQ2-03-007M	2	0.75	230/1/50	2.9	120	99
VQ2-03-007T	2	0.75	400/3/50	1.7	120	99
VQ2-03-011M	2	1.1	230/1/50	4.1	120	105
VQ2-03-011T	2	1.1	400/3/50	2.4	120	105
VQ2-03-015M	2	1.5	230/1/50	5.4	120	115
VQ2-03-015T	2	1.5	400/3/50	3.1	120	115
VQ2-03-022T	2	2.2	400/3/50	4.4	120	119
VQ2-05-011M	2	1.1	230/1/50	4.1	120	95
VQ2-05-011T	2	1.1	400/3/50	2.4	120	95
VQ2-05-015M	2	1.5	230/1/50	5.4	120	105
VQ2-05-015T	2	1.5	400/3/50	3.1	120	105
VQ2-05-022T	2	2.2	400/3/50	4.4	120	115
VQ2-05-030T	2	3	400/3/50	5.6	120	123
VQ2-05-040T	2	4	400/3/50	7.4	120	131



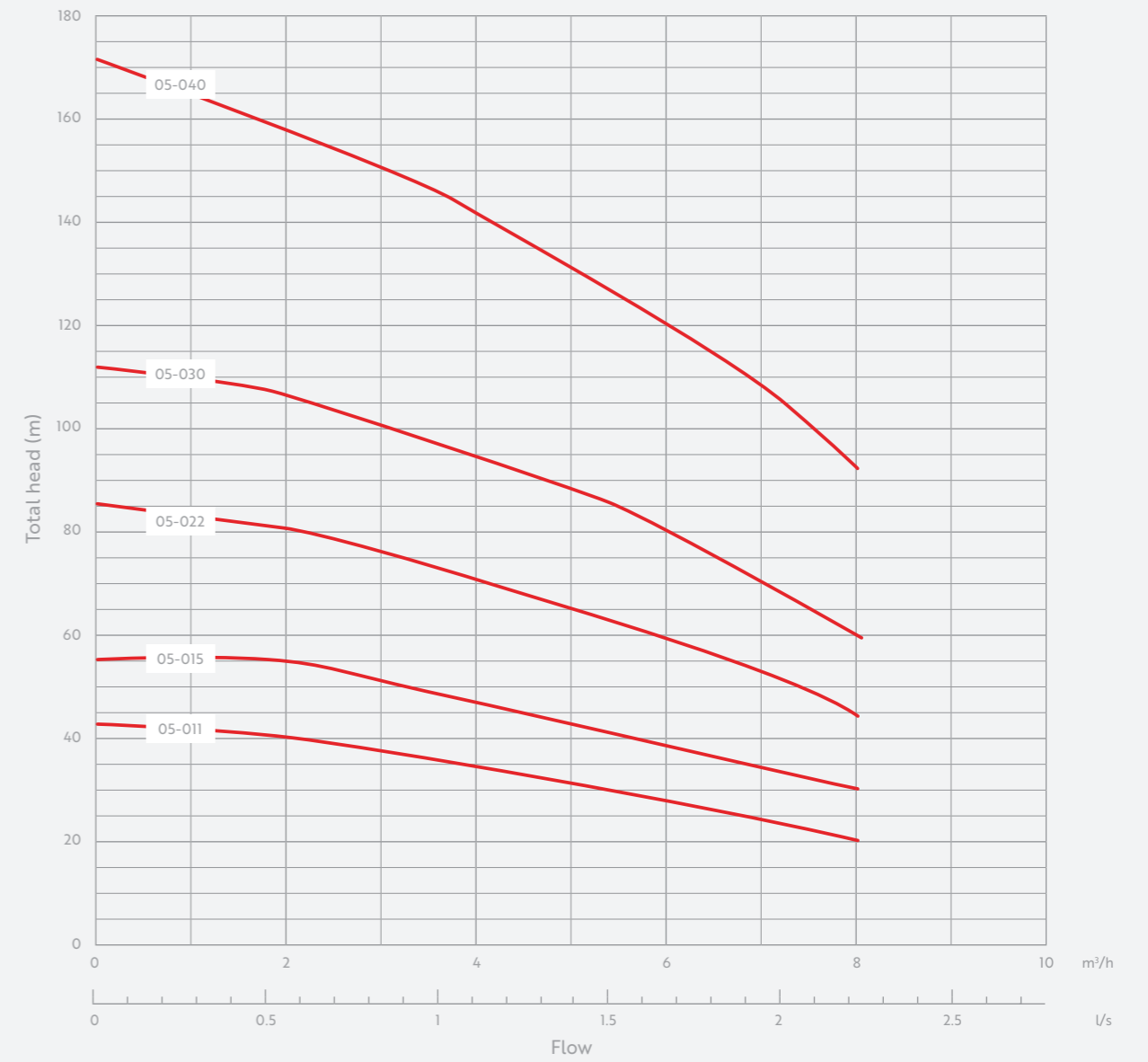
# VQ03 Series

## SINGLE PUMP CURVES



# VQ05 Series

## SINGLE PUMP CURVES





**Let's talk about the  
AirBREAK VQ cat 5 booster set**

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