



Franklin Electric

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Contact us for your nearest reseller

QUALITY • AVAILABILITY • SERVICE • INNOVATION • COST



Supplied by Franklin Electric

KEEPING ALL YOUR WATER NEEDS FLOWING

AQDB



ADX



4AQD100S



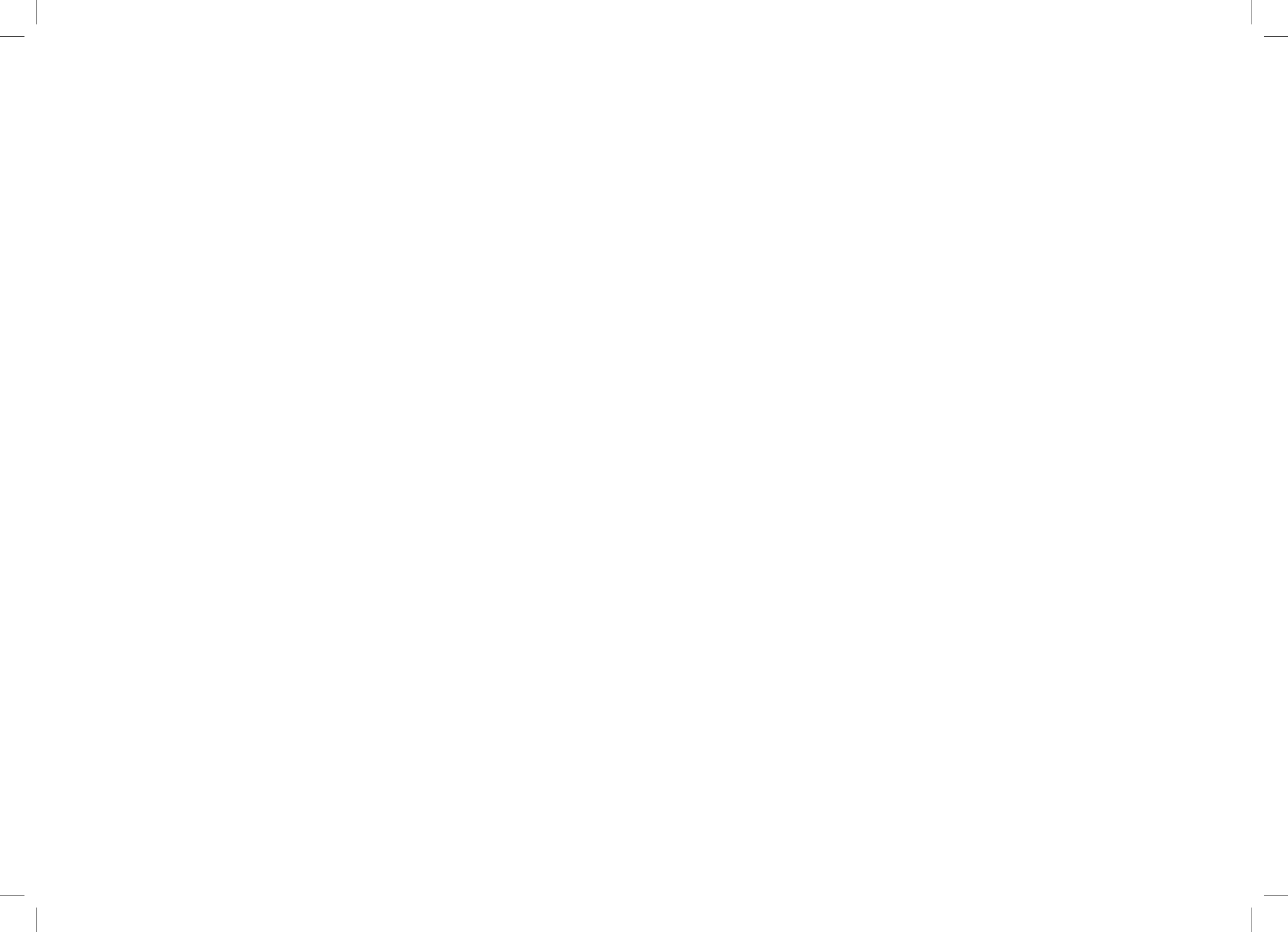
AQD



AQD



QUALITY • AVAILABILITY • SERVICE • INNOVATION • COST



STAINLESS STEEL SUBMERSIBLE PUMPS

Performance Range

- Flow rate up to 45m³/h
- Dynamic head up to 18m

Operating Limits

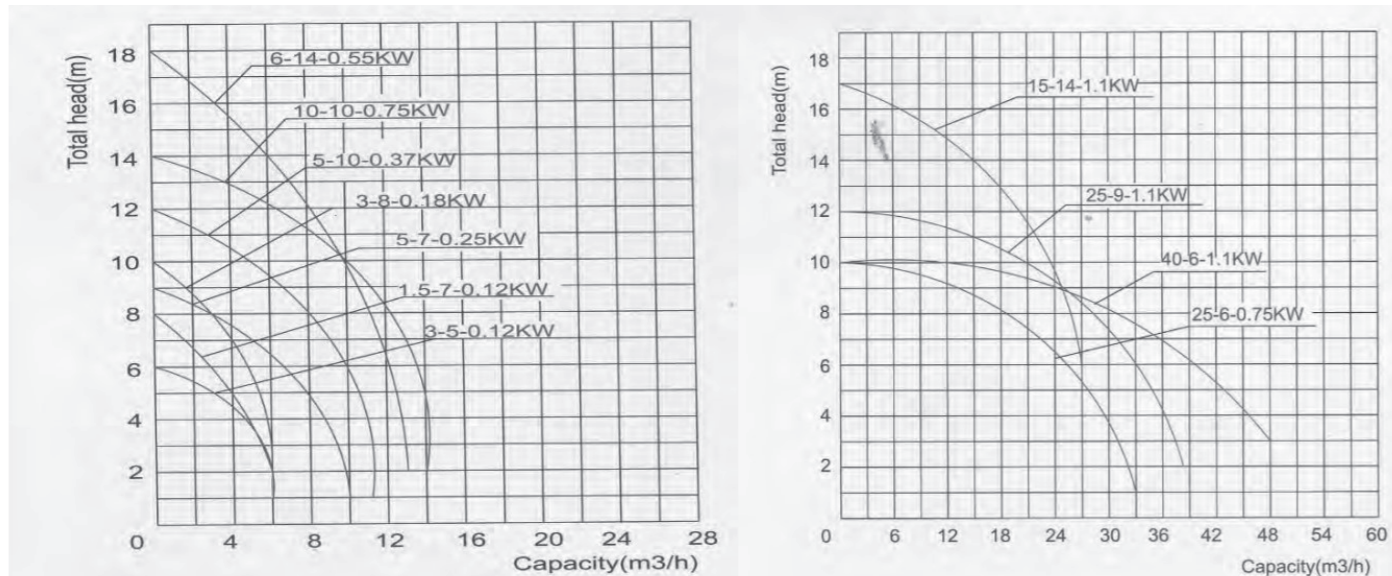
- Maximum operating depth 5m below water level
- Maximum fluid temperature up to 40°C
- Maximum passage for suspended solids diameter 4mm
- pH value in water 4-10.0

Structural Characteristic

- Stainless Steel Pumps Body
- Stainless Steel Mechanical Seal
- With Float Switch or without
- Stainless Steel Motor Shaft
- Impeller: Cast Iron or Nylon with Technopolymer or Stainless Steel, Half Open Type
- With Thermal Overload Protector in Single Phase Motor



PERFORMANCE CURVES



MOVING WATER. MOVING FUEL.
MOVING FORWARD.

KEY FACTORS FOR SUCCESS



OUR MISSION

To be a vital global leader in the manufacturing and distribution of products and systems, focused on the movement and management of water and fuel.

OUR VISION

To be an indispensable partner to our customers.

OUR VALUES

While maintaining a culture of safety and continuous improvement, every Franklin Electric employee is expected to make decisions based on our Key Factors for Success – **Quality, Availability, Service, Innovation, Cost**. Executing on these Key Factors will ensure we offer the best value to our customers.

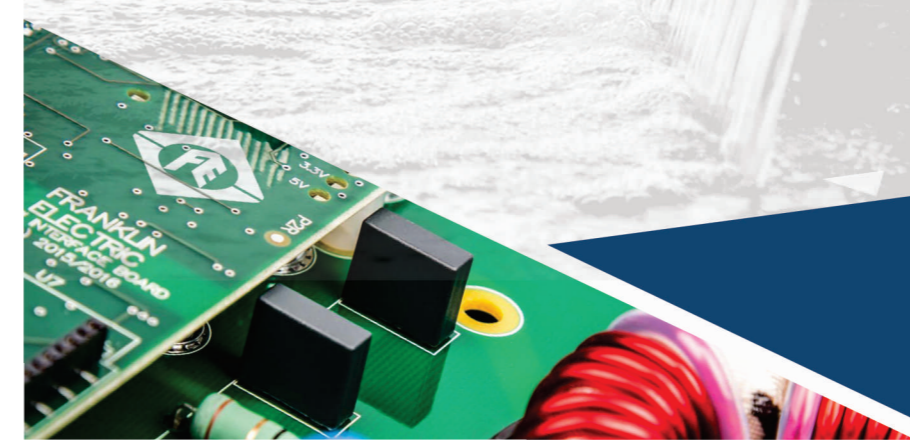
QUALITY: Above all, we are committed to providing high quality products and services to our customers.

AVAILABILITY: We are committed to delivering our products and services when and where our customer needs them.

SERVICE: We are passionate about providing industry-leading technical service, robust training programs, and unwavering support and communication.

INNOVATION: We are driven to evaluate new technologies and develop new products, services, and processes. Our drive to innovate is at the core of what we do.

COST: We consider cost in every decision we make. We strive to control cost for the benefit of all our stakeholders.



...turning cost into value in two simple steps,
manage total cost and care for the
environment and community

COST

Franklin Electric SA (Pty) Ltd consider **COST** in every decision we make. We strive to control cost for the benefit of all our stakeholders and this includes our customers!

It is for this reason that we launched the AquaDUTY range of products, ensuring the best possible cost position for our customers, complimenting our range of high quality water pumping products.

While it is obvious that you are **buying value** when considering a product or product range, it does come at a cost. For this reason Franklin Electric SA (Pty) Ltd is committed to not only offering the AquaDUTY range of products at the best cost, but also making sure that you receive the best value.

DRAINING AWAY YOUR TROUBLES CANNOT BE EASIER...

Drainage pump ideal for pumping clean or
waste water containing impurities.

Applications

Household car washing, garden irrigation, small amount discharging and used in pharmacy and industry fields.

AquaDUTY drainage pumps are suitable for private use in the home environment.



QUALITY • AVAILABILITY • SERVICE • INNOVATION • COST

AQD10H + AQD01

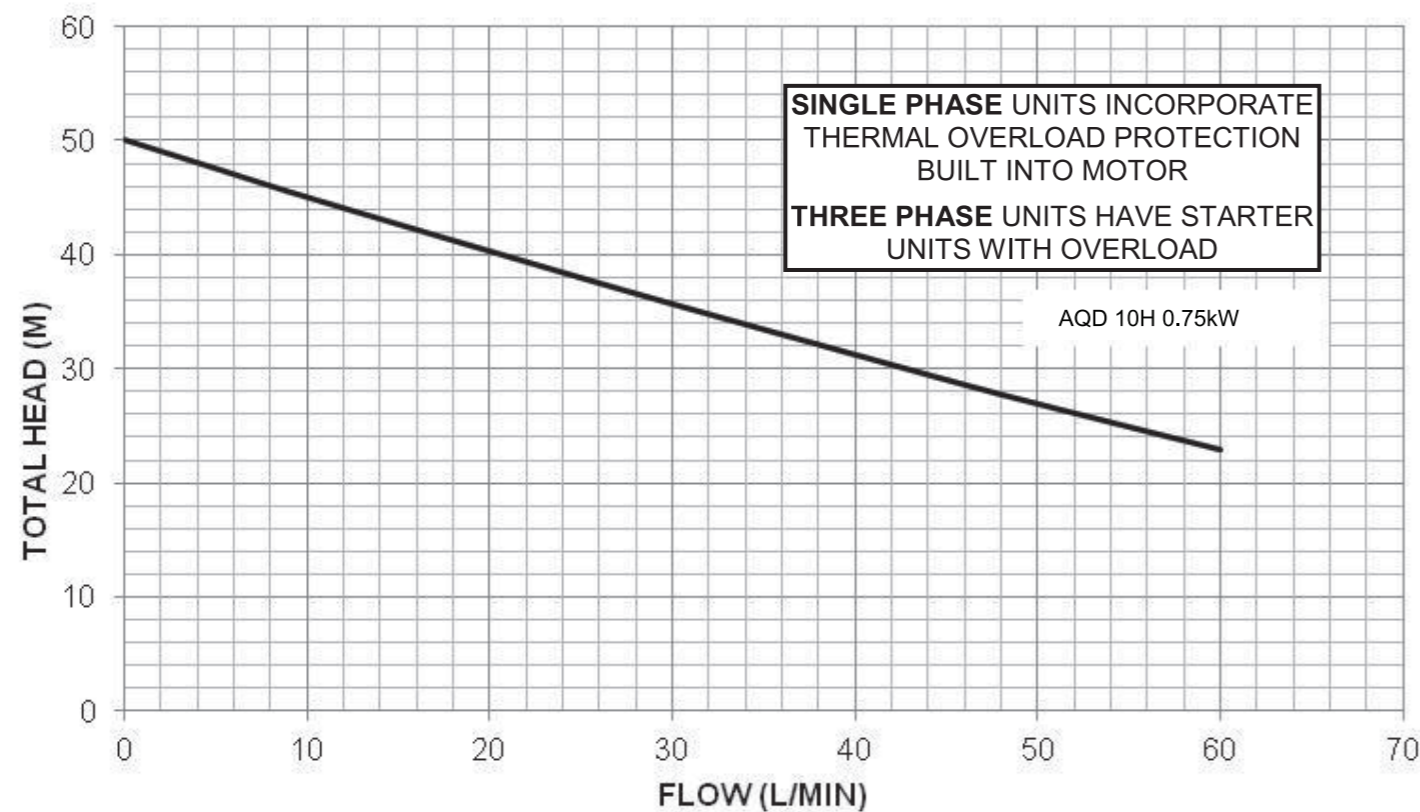
PRESSURE BOOSTER SYSTEMS



Supplied by  Franklin Electric

KEEPING ALL YOUR WATER NEEDS FLOWING

AQD PERFORMANCE CURVES



MODEL	KW	SUCTION/ DISCHARGE	TANK SIZE	CAPACITY (L/MIN)	PRESSURE ON/OFF (KPA)	1/220V	3/380V
AQD10H + AQD01	0.75	25/25	PS01	58	250/450	1/220V	-

~ DIMENSIONS	A	B	H	D	H1	H2	KG
AQD10H + AQD01	41	27	34	13	15	34	16

Please note: sizes and measurements are approximate and pictured fittings may vary

	STOCK CODE	MODEL	RATING
ADX	830008926	AD1/13 0.37kW	0.37kW 230V
	830008927	AD2/07 0.37kW	0.37kW 230V
	830008928	AD2/10 0.55kW	0.55kW 230V
	830008929	AD2/14 0.75kW	0.75kW 230V
	830008930	AD3/15 1.1kW	1.1kW 230V
AQD	830015298	AQD 60M	0.37kW 230V
	830015299	AQD 70M	0.55kW 230V
	830015720	AQD 80M	0.75kW 230V
	830015721	AQD 70T	0.55kW 400V
	830015722	AQD 80T	0.75kW 400V
	830015455	AQD 60M + AQD01 Controller	0.37kW 230V
	830015292	AQD 158M	0.75kW 230V
	830015293	AQD 170M	1.1kW 230V
	830015294	AQD 190M	1.5kW 230V
	830015297	AQD 158T	0.75kW 400V
	830015296	AQD 170T	1.1kW 400V
	830015295	AQD 190T	1.5kW 400V
	830015453	AQD 158M + AQD01 Controller	0.75kW 230V
	830015454	AQD 170M + AQD01 Controller	1.1kW 230V
AQD01	830015305	AQD01 Pressure Controller	16 Amp 230V
	830015303	AQD 10H + AQD01 Controller	0.75kW 230V
	830015723	4AQD 100S + AQD01 Controller	1.1kW 230V
AQDB	830015724	AQDB 5-10	0.37kW 230V
	830015725	AQDB 6-14	0.55kW 230V
	830015456	AQDB 10-10	0.75kW 230V
	830015457	AQDB 15-14	1.1kW 230V

DO IT

YOURSELF

SUBMERSIBLE BOREHOLE PUMPS

Applications

AquaDUTY borehole pump sets are designed for your garden irrigation requirements, operation of an irrigation system or the need for domestic water supply from a borehole.



**Heads up to 100m, flows up to 4.2m³/hr
Applications: Domestic**

Features:

Rated Voltage:	220V - 240V 110V - 115V
Max. Current:	30(16)A
Frequency:	50-60Hz
Max. Power:	100-120V: 2Hp; 220V-240V: 3Hp
Joint Screw:	1" or 1 1/4" male
Protection Grate:	IP65
Starting pressure to choose:	1.2 bar or 1.5 bar or 2.2 bar

Coverage

As a complete new device, it can guarantee the optimum control of electric pumps in a plumbing system. Being an intelligent mix of hydraulic and electronic engineering, the control maintains both pressure and flow and controls the operation of the pump automatically. It needs no pressure tank as in the traditional systems. There are no plenum chambers to recharge and no irritating variation in pressure and in flow at the point of use. No adjustment or maintenance is required. It is absolutely dependable, durable and simple to install.

Functioning

The starting operation archived, the unit is programmed to perform all the pump control operations automatically. When particular operational breakdowns occur, such as water failure, obstruction of the suction pipe etc, the unit recognizes the breakdown and red LED failure lights up, at the same time a stop signal is sent to the pump to prevent damages caused by its working in the absence of water. Rectification of the failures that have caused the blockage, allows the system to be restarted by pressing the Reset button.

FLOW CONTROL

THAT RUNS LIKE A DREAM...

Applications

Automatic pressure control systems now available - high reliability and functional safety, included from the AquaDUTY flow control system. Easy and quick to install. AquaDUTY allows the automation of any kind of pressure pump capable of generating a minimum of 1,5 bar. The cut-in pressure is adjustable. Additionally, dry run protection is integrated.



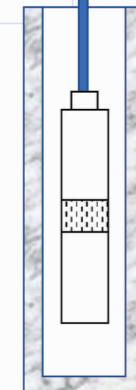
Features

Pump and motor preassembled
 Submersible cable: 50/70m
 Safety rope: 50/70m
 Plug and Play
 All in one box – just add water...

Application Detail

The AquaDUTY borehole systems contains all you need - just add your borehole and drop pipe.

AD1/13 Head (m)	AD2/07 Head (m)	AD2/10 Head (m)	AD2/14 Head (m)	AD3/15 Head (m)	Flow (m ³ /h)
80m	49m	65m	90m	100m	0.0m ³ /h
62m	47m	63m	88m	97m	0.6m ³ /h
40m	42m	58m	80m	92m	1.2m ³ /h
0m	35m	49m	69m	85m	1.8m ³ /h
	25m	38m	55m	75m	2.4m ³ /h
	17m	25m	38m	64m	3.0m ³ /h
	6m	10m	20m	50m	3.6m ³ /h
	0m	0m	0m	40m	3.9m ³ /h



Technical data

Model	Power kW	Motor amps (A)	Inlet/Outlet (mm)	Max. flow (m ³ /h)	Max. head (m)
AD3/13	0.37	4.0	32	1.8	80
AD2/07	0.37	4.0	32	3.9	48
AD2/10	0.55	6.0	32	3.9	64
AD2/14	0.75	7.3	32	3.9	90
AD3/15	1.1	8.9	32	5.7	100

Dimensions

Model	Diameter mm		230 Volts					
			Length mm			Mass kg		
	=C	=MAX	B	E	L	Motor	Pump	Total
AD 1/13	93	95	420	242	662	8.6	4.5	13.1
AD 2/07	93	95	314	242	556	8.6	2.4	12.0
AD 2/10	93	95	367	270	637	9.5	4.0	13.5
AD 2/14	93	95	438	298	734	10.9	4.6	15.5
AD 3/15	93	95	518	449	967	17.3	5.0	22.3

QUALITY • AVAILABILITY • SERVICE • INNOVATION • COST

A LITTLE GOES A LONG WAY

PERIPHERAL PUMPS

Applications

Recommended for pumping chemically non-aggressive clean water containing no abrasive particles.

Suitable for reliable, simple and economical domestic use.

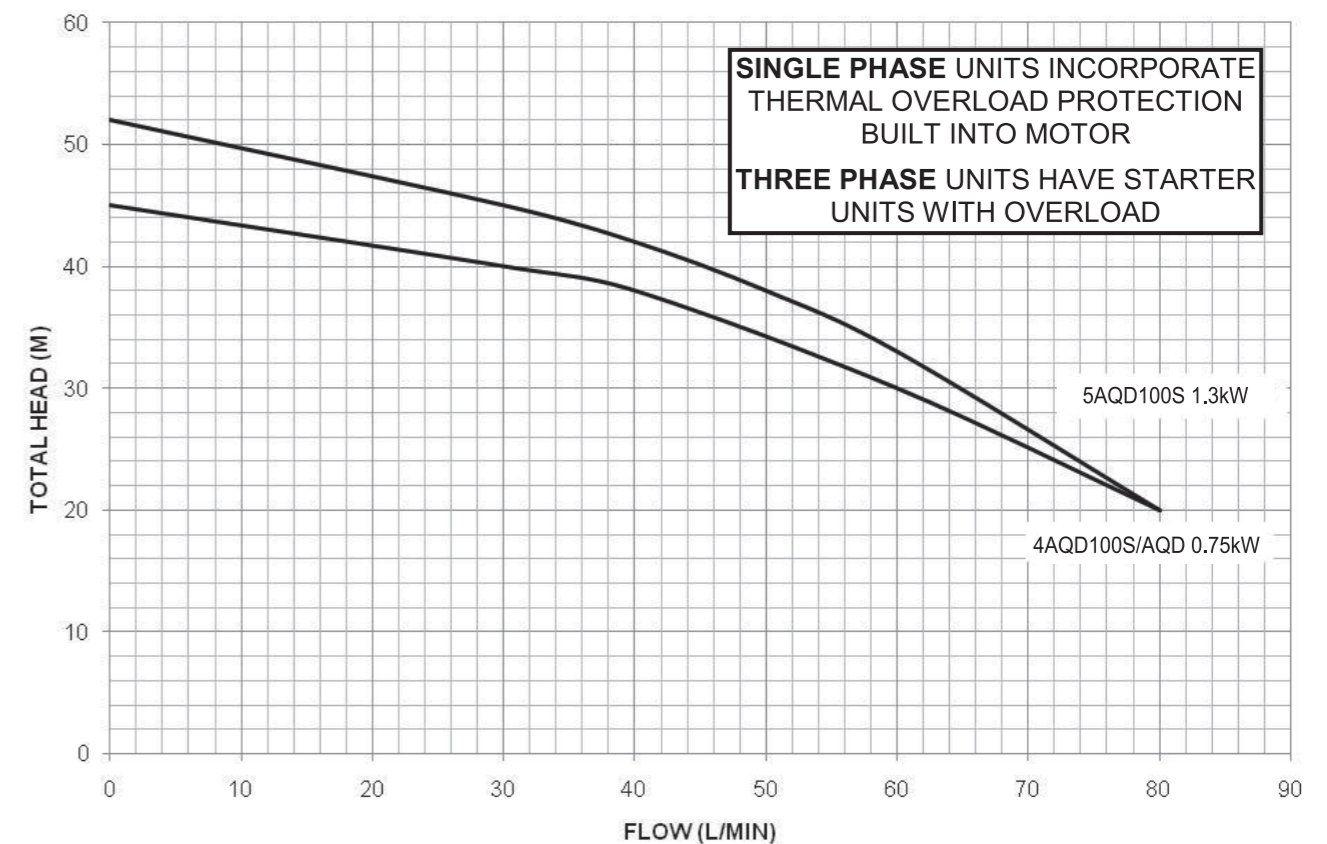
Particularly suitable in combination with pressure or flow control for garden irrigation.



Features

- Pump and motor housing: High grade Stainless Steel
- Elec. pump control: Protections against dry run
- Installation: Ease of installation – no settings
- Self priming height: 9m at sea level
- Pressure port: 1" male
- Suction port: 1" female
- Fluid temp: Max: 35 °C
- Power cord: 1,5 m H07RN-F

4/5AQD100S PERFORMANCE CURVES



MODEL	KW	SUCTION/DISCHARGE	TANK SIZE	CAPACITY (L/MIN)	PRESSURE ON/OFF (KPA)	1/220V	3/380V
4AQD100S/AQD01	0.75	25/25	PS01	75	220/420	1/220V	-
5AQD100S/AQD01	1.3	25/25	PS01	75	320/520	1/220V	-
~ DIMENSIONS							
	A	B	H	D	H1	H2	KG
4AQD100S/AQD01	42	25	34	20	16	33	14
5AQD100S/AQD01	43	25	34	20	16	33	14

Please note: sizes and measurements are approximate and pictured fittings may vary

QUALITY • AVAILABILITY • SERVICE • INNOVATION • COST

CONSTANT PRESSURE

WHEN YOU NEED IT

AT THE RIGHT PRICE

Pressure sets that think for you,
ideal for pressure applications,
whether for your garden or home.

Applications

AquaDUTY pressure sets are ideal for your garden irrigation requirements, operation of an irrigation system or the need for domestic water supply with rainwater harvest systems.

Pump control includes, flow control and dry run protection.

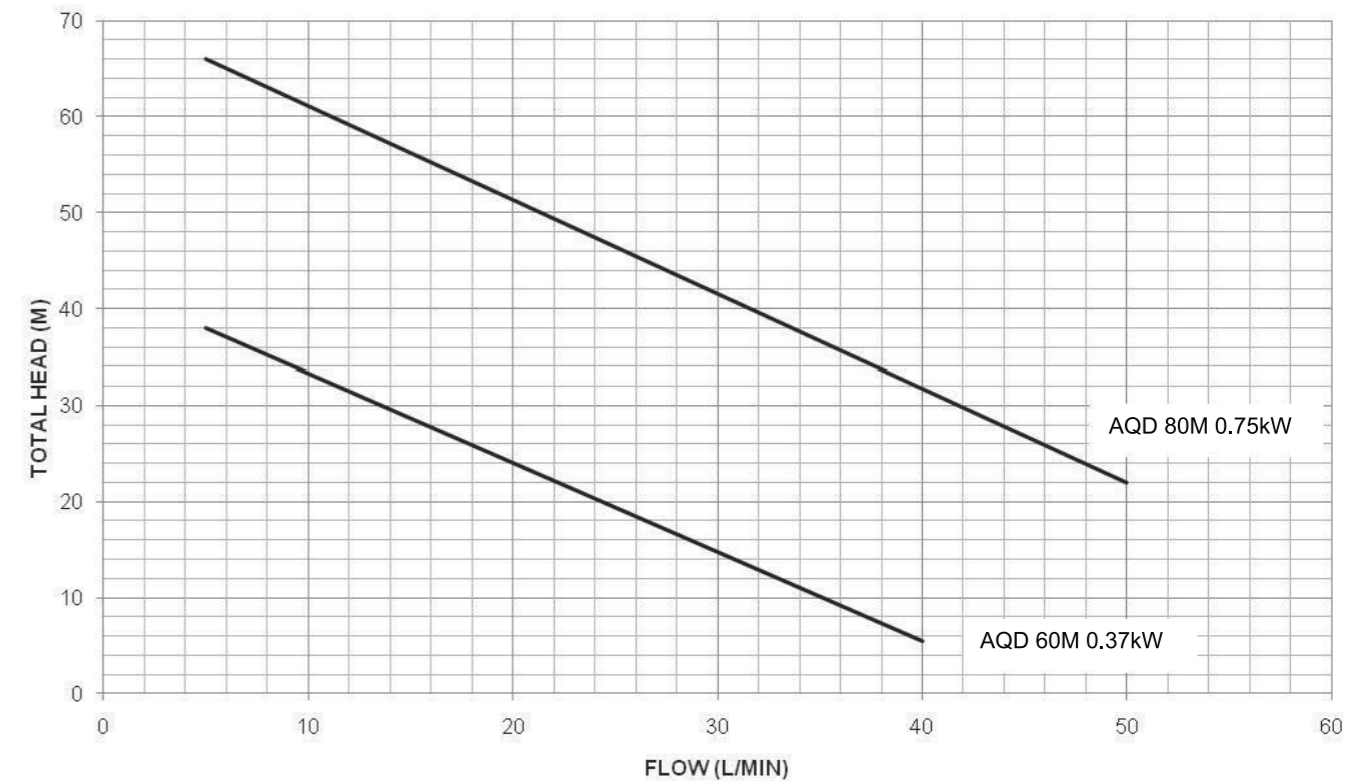
The best news is that the AquaDUTY pressure system is compact and hassle free – no awkward pressure tank to deal with.



Features

- Induction Motor: 230V
- Insulation: Class B
- Protection: IPX 4
- Pump Body: Cast iron
- Motor Bracket: Cast iron with inserts
- Impeller: Brass
- Motor Shaft: Steel
- Mechanical Seal: Ceramic/Graphite
- Max. Suction: 8m at sea level
- Max. Liquid Temp: 60°C
- Max. Amb. Temp: 40°C
- Duty: Continuous

AQD PERFORMANCE CURVES



MODEL	kW	SUCTION/DISCHARGE	1/220V	3/380V
AQD 60M	0.37	25/25	1/220V	-
AQD 80M	0.75	25/25	1/220V	-

QUALITY • AVAILABILITY • SERVICE • INNOVATION • COST

PUMP UP THE PRESSURE

CENTRIFUGAL PUMPS

Applications

Recommended for pumping chemically non-aggressive clean water containing no abrasive particles.

Suitable for reliable, maintenance free and economical domestic use.

Particularly suitable in combination with pressure or flow control for water transfer and garden irrigation.



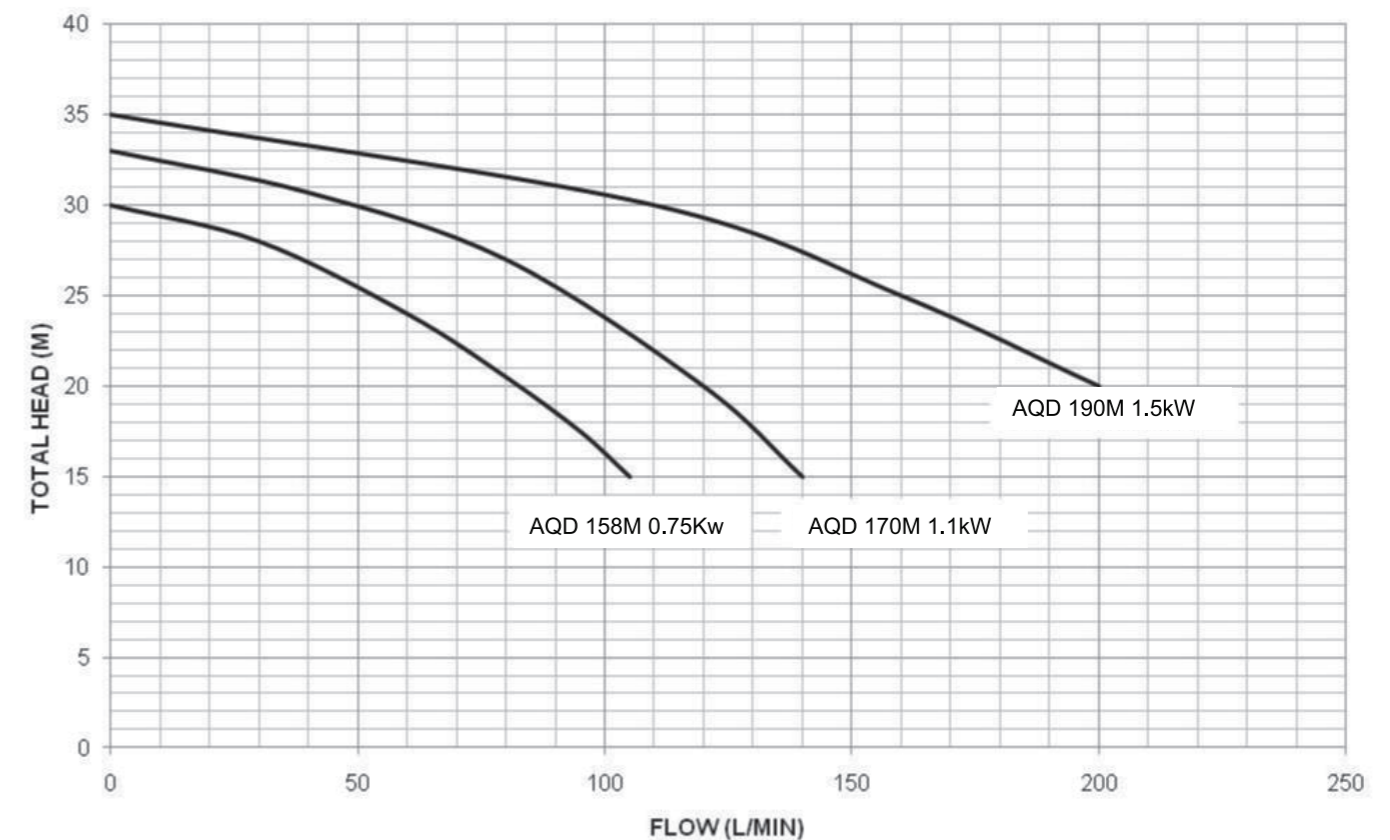
Features

- Induction Motor: 230V
- Insulation: Class B
- Protection: IPX 4
- Pump Body: Cast iron
- Motor Bracket: Cast iron with inserts
- Impeller: Brass
- Motor Shaft: Steel
- Mechanical Seal: Ceramic/Graphite
- Max. Suction: 8m at sea level
- Max. Liquid Temp: 60°C
- Max. Amb. Temp: 40°C
- Duty: Continuous

Application detail

Highly recommended for pumping clean, non-aggressive water. The pump range is reliable, maintenance free and widely used in the domestic and civil sectors for water distribution in combination with small pressure and flow controlled applications, used in general and for garden irrigation. Pump must be installed in closed, protected environment, avoiding direct rain or water spray.

AQD PERFORMANCE CURVES



MODEL	kW	SUCTION/DISCHARGE	1/220V	3/380V
AQD 158M	0.75	25/25	1/220V	3/380v
AQD 170M	1.1	25/25	1/220V	3/380V
AQD 190M	1.5	25/25	1/220V	-