OVERVIEW

POWERBOOST
Cold Water Booster Sets

POWERBOOST

Introducing the POWERBOOST range of clean water booster sets for the supply of water for domestic, commercial, agricultural, industrial and municipal markets.




The **POWER**BOOST range consists of three unique ranges to cover many applications:

POWERBOOST **SOLO**

The Powerboost is a range of single pump booster sets. Available with fixed or variable speed controllers, self-priming pumps and options that combine single pumps and pressure vessels.

- Designed for domestic and small commercial applications such as guest houses, sports clubs or multiple occupation dwellings
- Providing increased flow at sufficient pressure to supply multiple outlets
- Utilise Pedrollo pumps throughout.
- Smart Flow - Complete programming through smartphone.

POWERBOOST **FLOW**

When regular mains supply is insufficient to supply multiple outlets simultaneously a booster set is required. This range is designed to replicate good mains pressure and supply an abundance of water to suit demand.

- Designed for large domestic and small commercial applications such as guest houses, sports clubs or multiple occupation dwellings
- Providing increased flow at sufficient pressure to supply multiple outlets
- Utilise Pedrollo pumps throughout
- Smart Flow - Complete programming through smartphone.

POWERBOOST **PRO**

Designed for high rise buildings, large commercial and municipal applications

- Industry standard vertical pumps
- Use industrial grade inverters for variable speed control
- Pump or panel mounted control options depending on the system, size and budget
- Utilise DP pumps throughout

Please note that we have a policy of continuous product development and specifications may change from those shown.

DESIGN

- 50 years plus of experience and innovation incorporated into our design
- High level of functionality & remote monitoring capability
- Compact assembly
- Easy to setup & operate
- Ease of access for service
- Low maintenance costs
- High quality European manufactured pumps
- High efficiency pumps
- Generous manifold specifications
- Low friction losses through controllers and manifolds

GENERAL

- Fully assembled and factory tested prior to dispatch
- Instruction manual is provided with each booster set
- Test certificate provided with each booster set
- Energy saving solution
- User Friendly
- CE marked
- WRAS compliant components
- Bespoke Solutions

BESPOKE SOLUTIONS

We understand that not all water boosting requirements will be met by our **POWER**BOOST offering, however we can cater for larger flows, higher pressures, different pump configurations and different materials or components.

We can combine our comprehensive range of pumps, tanks and controls to suit your specific application.

Please contact our sales team for support, see the back cover for contact information.

Range	Sectors	Capacity	Max Pressure	kW
SOLO	Domestic Light Commercial Agricultural	1 x duty pump - up to 7.8 m^3/h	6 bar	≤ 1.1 kW
FLOW	Domestic Light Commercial Agricultural	1 x duty pump - up to 12m^3/h 2 x duty pump - up to 24m^3/h	9.7 bar	≤ 2.2 kW
PRO	Commercial Industrial Municipal	1 x duty pump - up to 75m^3/h 2 x duty pump - up to 150m^3/h	14.5 bar	≤ 11 kW

Each of our booster sets is available with either one or multiple pumps meeting the required duty. A standby pump is usually used where constant supply is essential. These configurations are referred to as follows:

- **Duty Standby (D/S)** - 1 pump supplying the full duty with a backup pump of the same capacity
- **Duty Assist (D/A)** - 2 pumps sharing the duty
- **Duty Assist Standby (D/A/S)** - 2 pumps sharing the duty with a backup pump of the same capacity as the duty pumps

POWERBOOST SOLO

RANGE SPECIFICATION

Features

- On demand operation
- Advanced electronic controllers
- Digitally adjustable cut-in and cut-out pressure
- Low friction losses through pump controllers

Protection

- Dry run protection
- Overload protection
- Feed tank low level alarm

Components

- Integrated Pressure vessel (Presflo Multi)
- Electronic pressure & flow sensors built into controllers

Pumps:	Pedrollo Range
Max head:	7.0 bar
Number of pumps:	1
Capacity:	1 x duty pump - up to 14m^3/h
kW range:	≤ 2.2kW
Power input:	230V/1PH/50Hz 110V/1PH/50Hz
Temperature range: **Liquid -** **Ambient -**	 up to +40°C up to +40°C
Pressure rating:	PN10

CONTROLS

SOLO Fixed Speed - Presflo & Presflo Multi

- Constant working pressure - selectable/adjustable
- Variable speed drive (VSD) per pump
- Advanced power management
- Operation log including; alarms & hours run

When the pressure in the system falls below the cut in set point the system will start one pump at minimum speed and gradually increase its speed to maintain the pre-set system pressure as the flow increases.

SOLO Variable Speed - Constant Pressure - Steadypres

- Constant working pressure - selectable/adjustable
- Variable speed drive (VSD) per pump
- Advanced power management
- Operation log including; alarms & hours run

When the pressure in the system falls below the cut in set point the system will start one pump at minimum speed and gradually increase its speed to maintain the pre-set system pressure as the flow increases.

SOLO Variable Speed - Constant Pressure - MIDA

- Constant working pressure - selectable/adjustable
- Easy and fast commissioning thanks to initial configuration wizard
- High thermal and mechanical performance thanks to
- aluminium case and independent ventilation.
- OLED display
- Easy reading of main parameters and alarms.
- Complete programming through smartphone.

PUMPS

SOLO F - Self Priming

- Suction lift up to 9m
- Flow rate up to 85 l/min (5.1m³/h)
- Max head: 6.0 bar

Applications: irrigation pumps, washing systems, water supply systems, pressure systems

The JCR pumps, known for their self-priming capability, are engineered to effectively move water, even in situations where air may be present. Thanks to their dependable performance and user-friendly design, these pumps come highly recommended for various household tasks. They are particularly well-suited for tasks like distributing water in conjunction with compact or mid-sized pressure systems, as well as for irrigating gardens and allotments, among other applications.

SOLO CR - Centrifugal

- Flow rate up to 85 l/min (5.1m³/h)
- Max head: 6.0 bar

Applications: irrigation pumps, washing systems, water supply systems, pressure systems

ADDITIONAL OPTIONS

Pressure sets with vessels

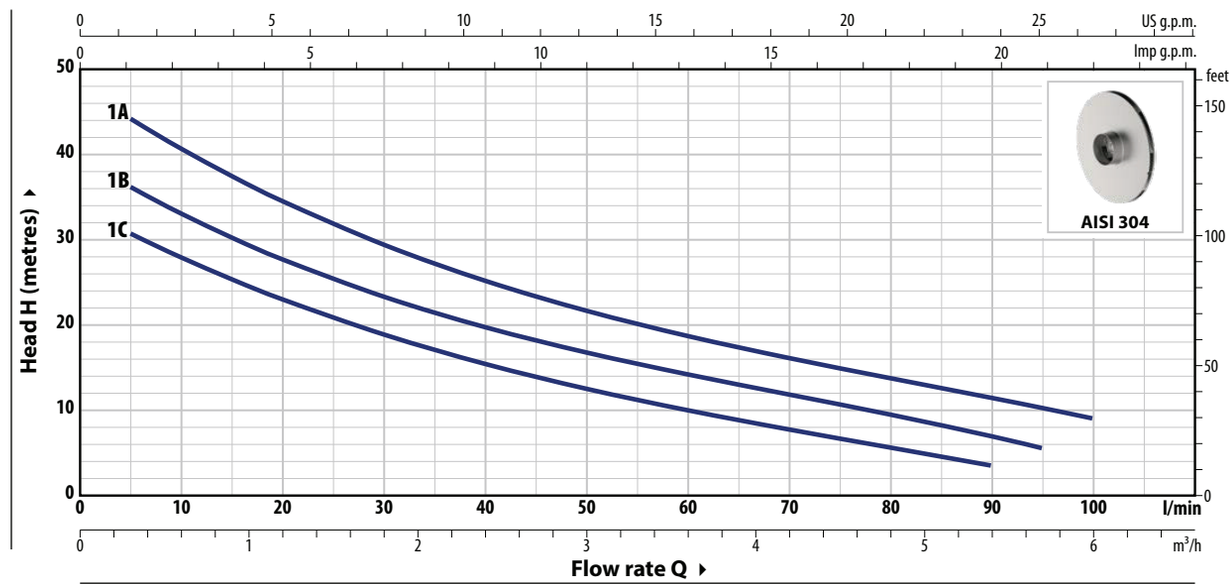
- 20, 60 & 100ltr vessel options
- Pressure switch control
- Self-Priming pump

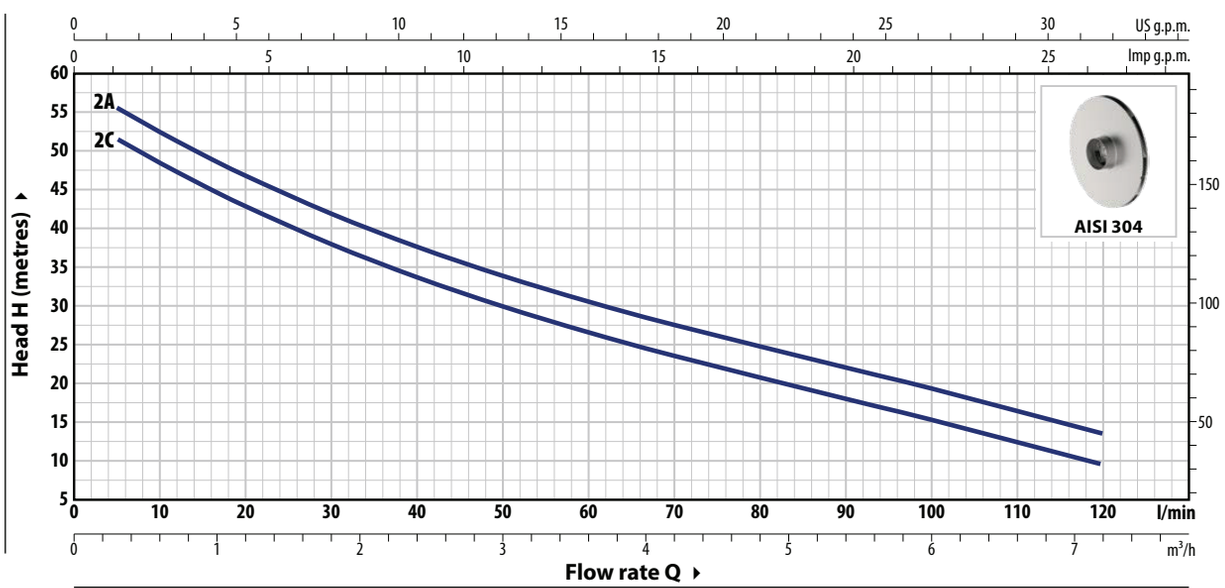
110V Options

- Available on JCR Self-priming pumps

SOLO FUTURE JET Performance

Characteristic Curves & Performance Data



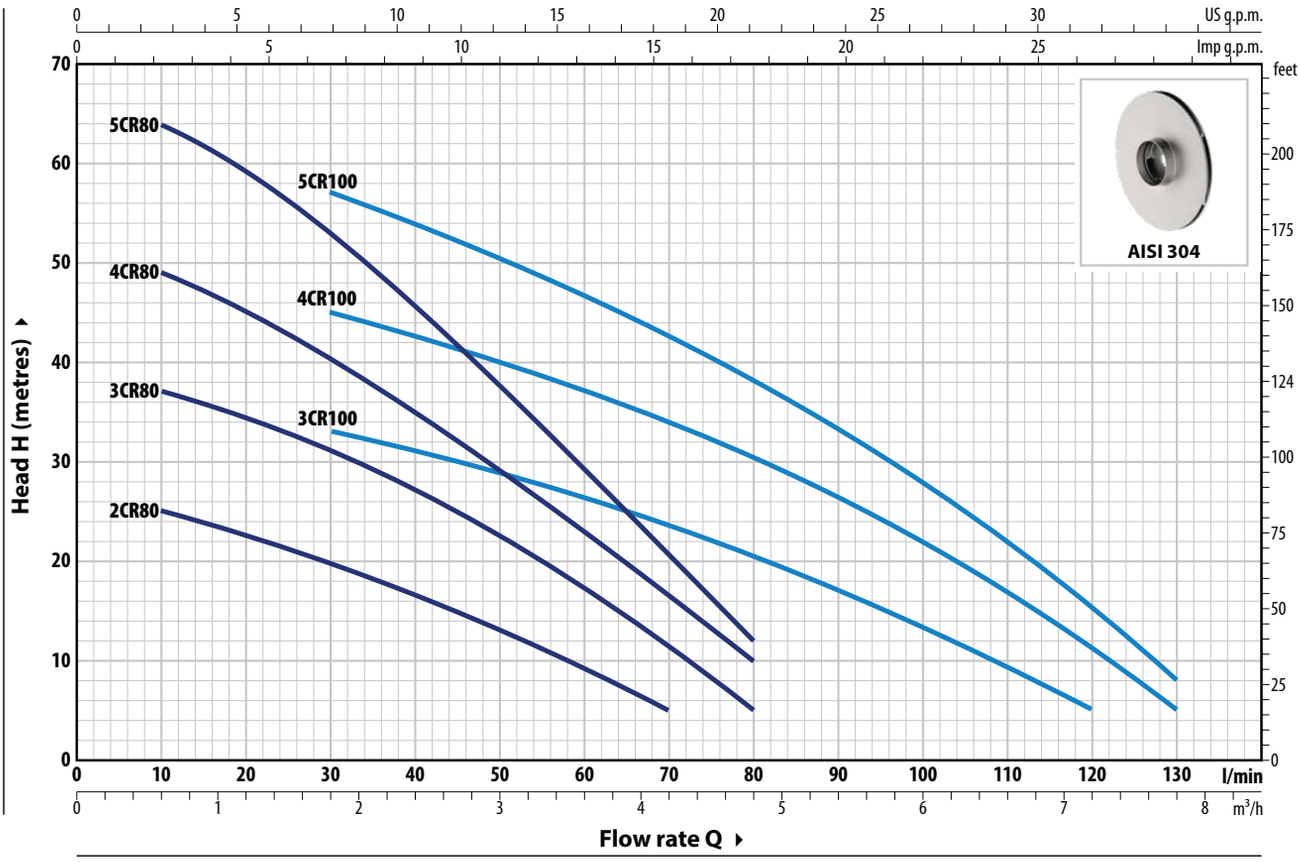


230V/1PH/50Hz Power supply

Code	Controller	Pump	Power (P2)		Q l/min	0	05	10	20	40	60	80	90	95	100	120
			kW	HP												
2601390	Presflo															
2601440	Presflo 110V	1C-ST	0.37	0.50		33.5	30.5	28	23	15.5	10	6.	3.5	-	-	
2601530	Presflo Multi															
2601400	Presflo	1B-ST	0.48	0.65		40	36	33	27.6	19.7	14.2	9.5	7	5.5	-	
2601540	Presflo Multi															
2601410	Presflo															
2601450	Presflo 110V	1A-ST	0.55	0.75	H Meters	48	44	40.6	34.5	25.2	18.7	13.7	11.4	10.2	9	
2601550	Presflo Multi															
2601420	Presflo															
2601460	Presflo 110V	2C-ST	0.75	1		55	52	49	43	34	27	20.5	18.3	17	15.5	10
2601560	Presflo Multi															
2601430	Presflo	2A-ST	0.90	1.25		59	56	53	47	38	32	25	22.3	21	19.5	13.7
2601570	Presflo Multi															

SOLO CR Performance

Characteristic Curves & Performance Data



230V/1PH/50Hz Power supply

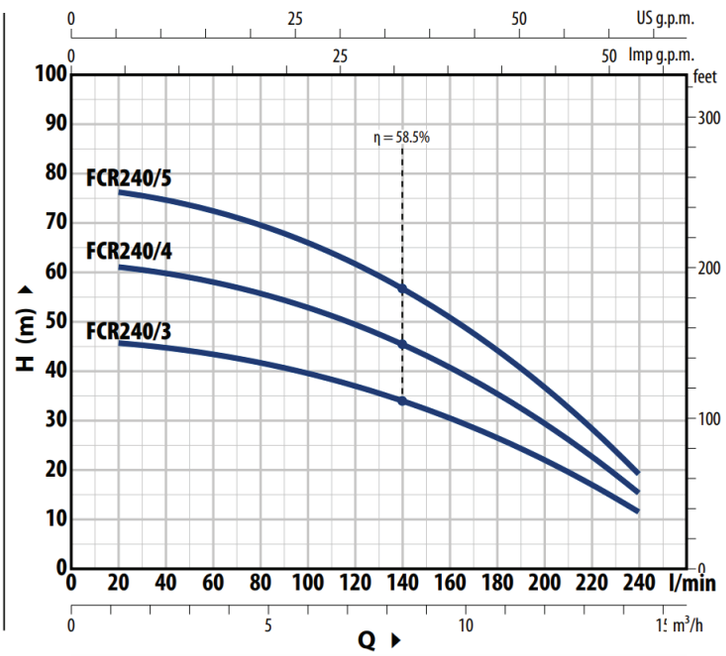
Code	Controller	Pump	Power (P2)		Q l/min	0	5	10	20	30	40	50	60	70	80	90	100	110	120	130
			kW	HP																
2601340 2601470 2601730 2603340	Presflo Presflo Multi Steadypres Mida	3CRm80	0.45	0.60		40	38	37	34.5	31	27	22.5	17	11	5	-	-	-	-	-
2601350 2601480 2601750 2603360	Presflo Presflo Multi Steadypres Mida	4CRm80	0.55	0.75	H Meters	52	50	49	44.5	40	34	28.5	22.5	16	10	-	-	-	-	-
2601360 2601490 2601770 2603380	Presflo Presflo Multi Steadypres Mida	5CRm80	0.75	1		67	66	64	59	53	45.5	37.5	29.5	20.5	12	-	-	-	-	-

400V/3PH/50Hz Power supply

Code	Controller	Pump	Power (P2)		Q l/min	0	5	10	20	30	40	50	60	70	80	90	100	110	120	130
			kW	HP																
2603340	Mida	3CRm80	0.45	0.60		40	38	37	34.5	31	27	22.5	17	11	5	-	-	-	-	-
2601350	Mida	4CRm80	0.55	0.75	H Meters	52	50	49	44.5	40	34	28.5	22.5	16	10	-	-	-	-	-
2601360	Mida	5CRm80	0.75	1		67	66	64	59	53	45.5	37.5	29.5	20.5	12	-	-	-	-	-

SOLO CR Performance

Code	Controller	Pump	Power (P2)		Q l/min	0	5	10	20	30	40	50	60	70	80	90	100	110	120	130
			kW	HP																
2601500	Presflo Multi																			
2601740	Steadypres	3CRm100	0.55	0.75		38	37	36	34.5	33	31	28	26	23	20	17	13.5	10	5	-
2603350	Mida																			
2601370	Presflo																			
2601510	Presflo Multi	4CRm100	0.75	1	H Meters	50	50	49	47	45	42	39.5	37	34	30.5	26.5	22	17	11	5
2601760	Steadypres																			
2603370	Mida																			
2601380	Presflo																			
2601520	Presflo Multi	5CRm100	1.1	1.5		63	62	61.5	59.5	57	53.5	50.5	46.5	42.5	38	33	28	22	15	8
2601780	Steadypres																			
2603390	Mida																			



230V/1PH/50Hz Power supply

Code	Controller	Pump	Power (P2)		Q l/min	0	20	40	60	80	100	120	140	160	180	200	220	240
			kW	HP														
2603400	Mida	FCR 200/4	1.5	2		46.5	46	45	43.5	42	36.5	37	34	30.5	26.6	22	17	11.5
2603410	Mida	FCR 200/5	1.8	2.5	H Meters	62	61	60	58	55.5	53	49.5	45.5	41	35.5	29.5	22.8	11.5
2603420	Mida	FCR 200/6	2.2	3		77	76.5	75	73	69.5	66	62	57	51	44.5	37	28.5	19

400V/3PH/50Hz Power supply

Code	Controller	Pump	Power (P2)		Q l/min	0	20	40	60	80	100	120	140	160	180	200	220	240
			kW	HP														
2603770	Mida	FCR 200/4	1.5	2		46.5	46	45	43.5	42	36.5	37	34	30.5	26.6	22	17	11.5
2603780	Mida	FCR 200/5	1.8	2.5	H Meters	62	61	60	58	55.5	53	49.5	45.5	41	35.5	29.5	22.8	11.5
2603790	Mida	FCR 200/6	2.2	3		77	76.5	75	73	69.5	66	62	57	51	44.5	37	28.5	19

POWERBOOST FLOW

RANGE SPECIFICATION

Features

- On demand operation
- Auto rotation of duty pump
- Auto changeover on duty pump trip
- Advanced electronic controllers
- BMS I/O connection
- Digitally adjustable cut-in and cut-out pressure
- Working pressure range 0.8 - 9 bar
- Low friction losses through pump controllers
- Anti-vibration mounts for base plate

Protection

- Dry run protection
- Overload protection
- Feed tank low level alarm

Components

- Controller per pump
- Pressure vessel
- Electronic pressure & flow sensors built into controllers
- Baseplate & manifolds in 304 Stainless Steel (SS)
- Connection box c/w alarm output connection - IP55 enclosure
- GSM dial out alarm (Optional)

Pumps:	Pedrollo Range
Max head:	9.7 bar
Number of pumps:	1 - 3
Capacity:	1 x duty pump - up to 12m^3/h 2 x duty pump - up to 24m^3/h
kW range:	≤ 2.2kW
Power input:	230V/1PH/50Hz 400V/3PH/50Hz
Temperature range:	
Liquid -	up to +40°C
Ambient -	up to +40°C
Pressure rating:	PN10

CONTROLS

The **POWER**BOOST FLOW is made up from two or three pumps in parallel, managed by a variable speed controller on each pump to keep the system pressure constant and provide protection against over current and dry running.

When the pressure in the system falls below the cut in set point the system will start one pump at minimum speed and gradually increase its speed to maintain the pre-set system pressure as the flow increases. If one pump is not sufficient to maintain the system pressure at the set point as the flow increases then the control unit will start the second pump and in three pump systems the third pump in turn varying their speed as required to maintain the set pressure whilst minimising energy usage and excessive pressure in the system.

FLOW V

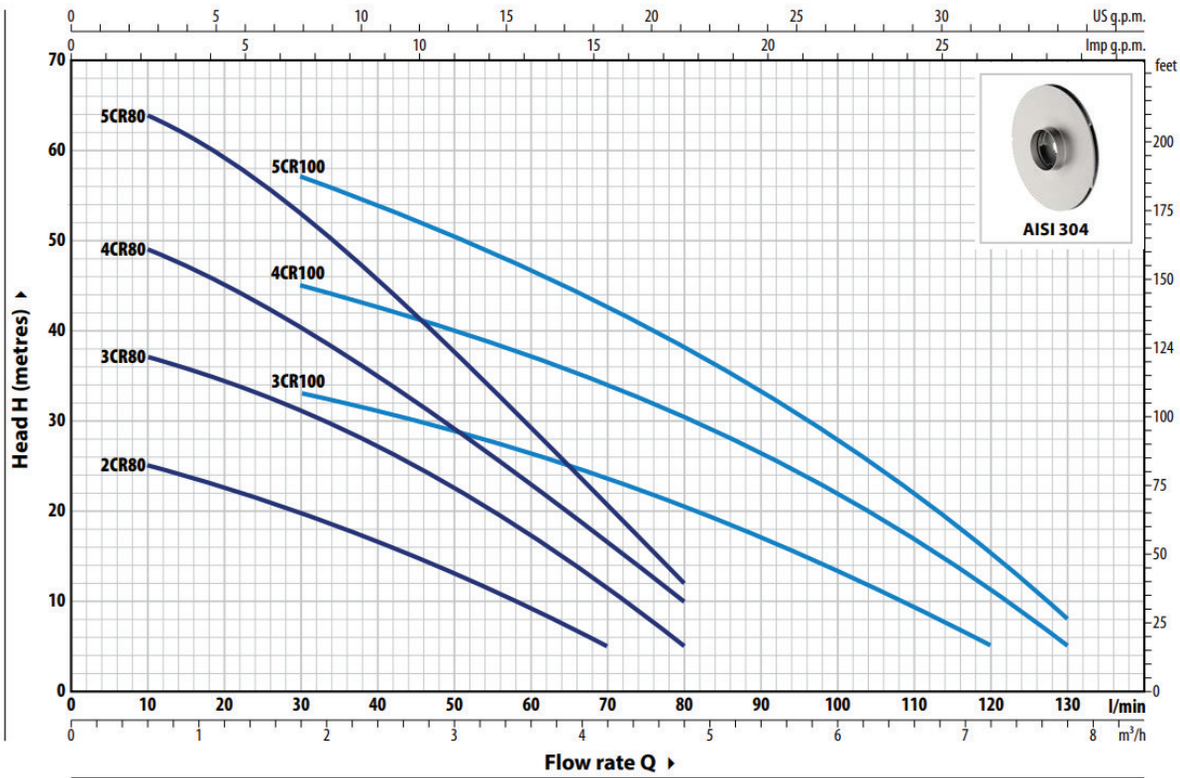
- Constant working pressure - selectable/adjustable
- Variable speed drive (VSD) per pump
- Drives are water cooled
- Advanced power management
- Operation log including; alarms & hours run

SMART FLOW

- Constant working pressure - selectable/adjustable
- Easy and fast commissioning thanks to initial configuration wizard
- High thermal and mechanical performance thanks to aluminium case and independent ventilation.
- OLED display
- Easy reading of main parameters and alarms.
- Complete programming through smartphone.

FLOW - Variable Speed Range

Characteristic Curves & Performance Data



230V/1PH/50HZ POWER SUPPLY

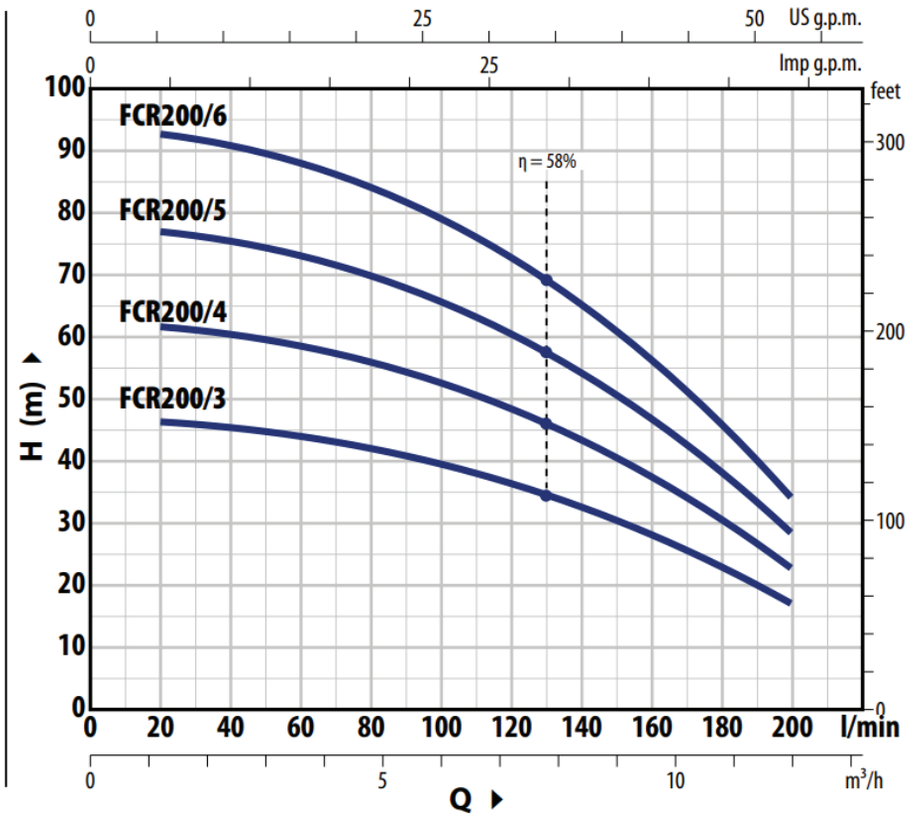
No. Pumps	Stock Code		FLC (A)	Model	Power (P2)				1x	0	05	10	15	20	25	30	40	50	60	70	80	90	100	110	120	130
	FLOW V	SMART FLOW			(Per Pump)		Q l/min		2x	0	10	20	30	40	50	60	80	100	120	140	160	180	200	220	240	260
					kW	HP	Pump		3x	0	15	30	45	60	75	90	120	150	180	210	240	270	300	330	360	390
2 PUMP	2601790	2603430	6.8	4CR80	0.55	0.75	H Meters			52	50	49	47	44.5	42	40	34	28.5	22.5	16	10	-	-	-	-	-
3 PUMP	2601930	2603570	10.2																							
2 PUMP	2601800	2603440	8.6	5CR80	0.75	1				67	66	64	62	59	56	53	45.5	37.5	29.5	20.5	12	-	-	-	-	-
3 PUMP	2601940	2603580	12.9																							
2 PUMP	2601810	2603450	9	4CR100	0.75	1				50	50	49	48	47	46	45	42	39.5	37	34	30.5	26.5	22	17	11	5
3 PUMP	2601950	2603590	13.5																							
2 PUMP	2601820	2603460	8.4	5CR100	1.1	1.5				63	62	61.5	60.5	59.5	58	57	53.5	50.5	46.5	42.5	38	33	28	22	15	8
3 PUMP	2601960	2603600	12.6																							

No. Pumps	Stock Code		FLC (A)	Model	Power (P2)				1x	0	20	40	60	80	100	120	140	160	180	200
	FLOW V	SMART FLOW			(Per Pump)		Q l/ min		2x	0	40	80	120	160	200	240	280	320	360	400
					kW	HP	Pump		3x	0	60	120	180	240	300	360	420	480	540	600
2 PUMP	2601830	2603470	14.6	FCR 200/4	1.5	2	H Meters			62.5	60	60.5	58.5	56	53	48.5	43.5	37.5	31	23
3 PUMP	2601970	2603610	21.9																	
2 PUMP	2601840	2603480	18.8	FCR 200/5	1.8	2.5				78	77.5	76	73	70	66	61	54.5	47	38.5	28.5
3 PUMP	2601980	2603620	28.2																	
2 PUMP	2601850	2603490	20.4	FCR 200/6	2.2	3				94	93	91	88	84	79	73	65.5	56.5	46	34.5
3 PUMP	2601990	2603630	30.6																	

** Curves show individual pump performance. See tables for 2 & 3 pump performance details*
**FLC - Full Load Current*

FLOW - Variable Speed Range

Characteristic Curves & Performance Data



400V/3PH/50HZ POWER SUPPLY

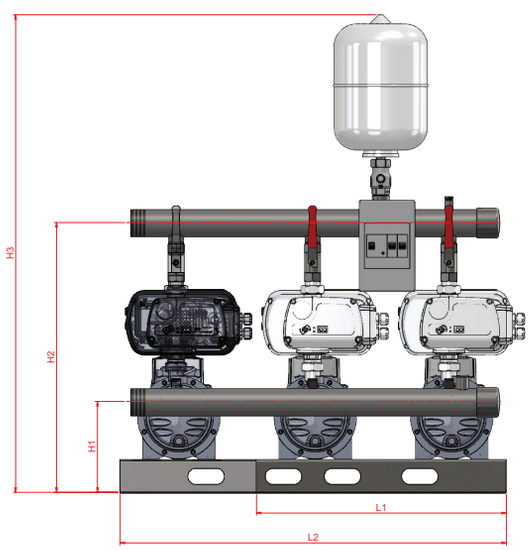
No. Pumps	Stock Code		FLC (A)	Model	Power (P2)			1x	0	05	10	15	20	25	30	40	50	60	70	80	90	100	110	120	130
	FLOW V	SMART FLOW			(Per Pump)		Q l/min	2x	0	10	20	30	40	50	60	80	100	120	140	160	180	200	220	240	260
					kW	HP	Pump	3x	0	15	30	45	60	75	90	120	150	180	210	240	270	300	330	360	390
2 PUMP	2601860	2603500	4	4CR80	0.55	0.75	H Meters		52	50	49	47	44.5	42	40	34	28.5	22.5	16	10	-	-	-	-	-
3 PUMP	2602000	2603640	6																						
2 PUMP	2601870	2603510	5	5CR80	0.75	1			67	66	64	62	59	56	53	45.5	37.5	29.5	20.5	12	-	-	-	-	-
3 PUMP	2602010	2603650	7.5																						
2 PUMP	2601880	2603520	5.2	4CR100	0.75	1			50	50	49	48	47	46	45	42	39.5	37	34	30.5	26.5	22	17	11	5
3 PUMP	2602020	2603660	7.8																						
2 PUMP	2601890	2603530	4.8	5CR100	1.1	1.5			63	62	61.5	60.5	59.5	58	57	53.5	50.5	46.5	42.5	38	33	28	22	15	8
3 PUMP	2602030	2603670	7.2																						

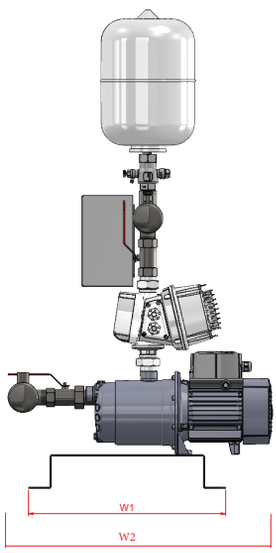
No. Pumps	Stock Code		FLC (A)	Model	Power (P2)			1x	0	20	40	60	80	100	120	140	160	180	200
	FLOW V	SMART FLOW			(Per Pump)		Q l/min	2x	0	40	80	120	160	200	240	280	320	360	400
					kW	HP	Pump	3x	0	60	120	180	240	300	360	420	480	540	600
2 PUMP	2601900	2603540	8.4	FCR 200/4	1.5	2	H Meters		62.5	60	60.5	58.5	56	53	48.5	43.5	37.5	31	23
3 PUMP	2602040	2603680	12.6																
2 PUMP	2601910	2603550	10.8	FCR 200/5	1.8	2.5			78	77.5	76	73	70	66	61	54.5	47	38.5	28.5
3 PUMP	2602050	2603690	16.2																
2 PUMP	2601920	2603560	11.8	FCR 200/6	2.2	3			94	93	91	88	84	79	73	65.5	56.5	46	34.5
3 PUMP	2602060	2603700	17.7																

** Curves show individual pump performance. See tables for 2 & 3 pump performance details*
**FLC - Full Load Current*

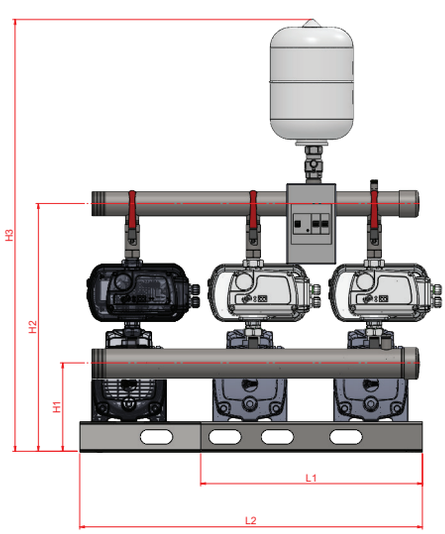
FLOW V Range

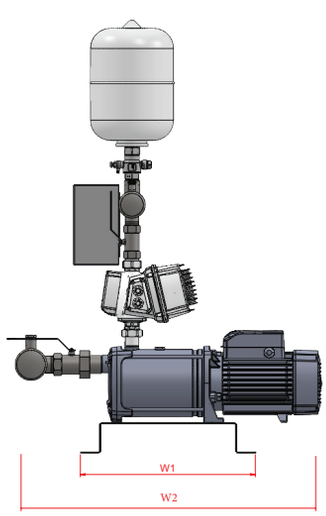
FLOW - CR Range





Model	No. Of Pumps	H1(mm)	H2(mm)	H3(mm)	L1(mm)	L2(mm)	W1(mm)	W2(mm)	PIPE CONNECTIONS	
									Inlet	Outlet
4CR80	2	200	600	950	550		440	590	2"BSPP	
	3	200	600	950		850	440	590	2"BSPP	
5CR80	2	200	600	950	550		440	590	2"BSPP	
	3	200	600	950		850	440	590	2"BSPP	
4CR100	2	200	600	950	550		440	590	2"BSPP	
	3	200	600	950		850	440	590	2"BSPP	
5CR100	2	200	600	950	550		440	590	2"BSPP	
	3	200	600	950		850	440	590	2"BSPP	

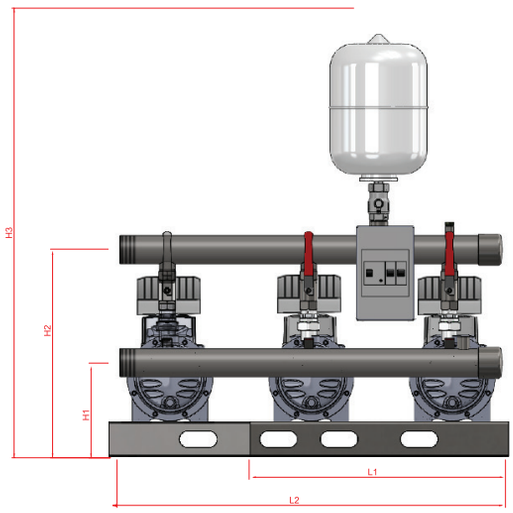


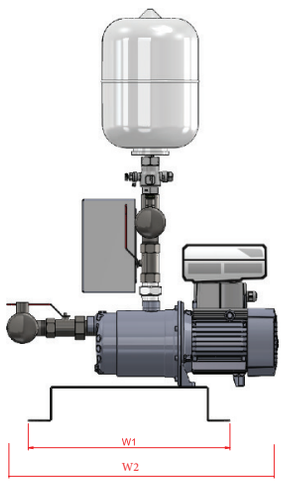


Model	No. Of Pumps	H1(mm)	H2(mm)	H3(mm)	L1(mm)	L2(mm)	W1(mm)	W2(mm)	PIPE CONNECTIONS	
									Inlet	Outlet
FCR 200/4	2	220	620	970	550		440	790	2 1/2" BSPP	2"BSPP
	3	220	620	970		850	440	790	2 1/2" BSPP	2"BSPP
FCR 200/5	2	220	620	970	550		440	790	2 1/2" BSPP	2"BSPP
	3	220	620	970		850	440	790	2 1/2" BSPP	2"BSPP
FCR 200/6	2	220	620	970	550		440	790	2 1/2" BSPP	2"BSPP
	3	220	620	970		850	440	790	2 1/2" BSPP	2"BSPP

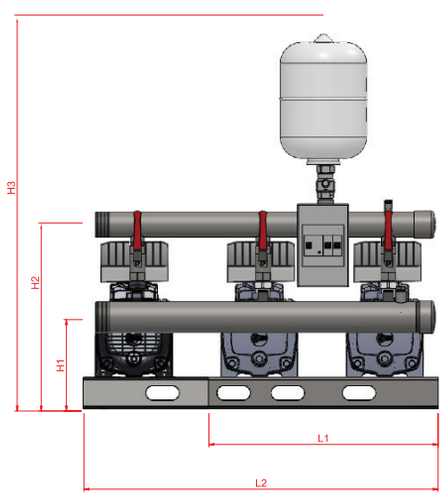
SMART FLOW Range

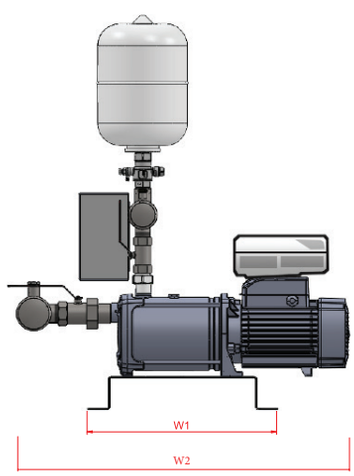
FLOW – CR Range





Model	No. Of Pumps	H1(mm)	H2(mm)	H3(mm)	L1(mm)	L2(mm)	W1(mm)	W2(mm)	PIPE CONNECTIONS	
									Inlet	Outlet
4CR80	2	200	400	750	550		440	590	2"BSPP	
	3	200	400	750		850	440	590	2"BSPP	
5CR80	2	200	400	750	550		440	590	2"BSPP	
	3	200	400	750		850	440	590	2"BSPP	
4CR100	2	200	400	750	550		440	590	2"BSPP	
	3	200	400	750		850	440	590	2"BSPP	
5CR100	2	200	400	750	550		440	590	2"BSPP	
	3	200	400	750		850	440	590	2"BSPP	





Model	No. Of Pumps	H1(mm)	H2(mm)	H3(mm)	L1(mm)	L2(mm)	W1(mm)	W2(mm)	PIPE CONNECTIONS	
									Inlet	Outlet
FCR 200/4	2	220	420	770	550		440	790	2 1/2" BSPP	2"BSPP
	3	220	420	770		850	440	790	2 1/2" BSPP	2"BSPP
FCR 200/5	2	220	420	770	550		440	790	2 1/2" BSPP	2"BSPP
	3	220	420	770		850	440	790	2 1/2" BSPP	2"BSPP
FCR 200/6	2	220	420	770	550		440	790	2 1/2" BSPP	2"BSPP
	3	220	420	770		850	440	790	2 1/2" BSPP	2"BSPP

POWERBOOST PRO

Range Specification

Features

- Constant working pressure
- Sleep mode when no water demand
- Auto rotation of duty pump
- Auto changeover on duty pump trip
- Integrated soft start / stop
- BMS I/O connection
- Suction and discharge velocities <2.2 m/sec

Protection

- Individual pump protection
- Dry run protection
- Overload protection
- Thermal overload protection
- High pressure cut out
- Feed tank low level alarm

Components

- Variable speed drive (VSD) per pump
- Pressure vessel
- Danfoss pressure transducers
- Baseplate, manifolds, valves, fittings & panel stand in 304SS
- Panel c/w MCB's, mains Isolator and alarm output connection IP55 enclosure
- GSM dial out alarm (Optional)
- Anti-vibration mounts for base plate (Optional)

Pumps	DP Vertical Range
Max head:	14.5 bar
Number of pumps:	2 - 3
Capacity:	1 x duty pump - up to 75m^3/h 2 x duty pump - up to 150m^3/h
kW range:	≤ 11 kW
Power input:	230V/1PH/50Hz 400V/3PH/50Hz
Temperature range: **Liquid -** **Ambient -**	 +4°C to 40°C 0°C to 30°C
Pressure rating:	PN16

Control Options

PRO E

This is the most economic version offering fully featured variable speed drive (VSD) controllers mounted on each pump.

- Full featured system in the most economic format
- Motor mounted VSD
- Auto transfer of master in the event of drive fault/trip

PRO S

This is the highest specification of control panel and features a Human-Machine Interface (HMI) colour touch-screen interface which displays comprehensive graphical data.

- VSD's fitted in control panel
- Human-Machine Interface (HMI) touch screen showing; system value, pump status, operating hours and comprehensive alarm log
- Remote access capability
- Control panel can be wall mounted
- Secure Digital (SD) card for data logging (Optional)
- Flow meter for instantaneous and totalised flow logging (Optional)

PRO Range Controls

PRO Control Philosophy

The **POWER**BOOST PRO range is made up from two or three pumps in parallel, managed by a variable speed controller for each pump, functioning to keep the system pressure constant and provide protection against over current and dry running.

When the pressure in the system falls below the cut-in set point, the system will start one pump at minimum speed, and gradually increase its speed to maintain the pre-set system pressure as the flow increases. If one pump is not sufficient to maintain this, then the control unit will start the second pump, and then the third following three pump systems. Their speed is varied as required, to maintain the set pressure whilst minimising energy usage and excessive pressure in the system.

As the flow decreases the system will slow down each pump in turn, to maintain the pre-set pressure. As each pump reaches minimum speed it will switch off, until only one pump is running. This final pump will run on for ten seconds to pressurise the vessel and ensure that the pump set does not cycle excessively.

The control unit alternates the order in which pumps start to balance the hours run on each pump.

There are terminals in the control panel for a float switch input. The float switch is fitted in the feed tank and protects the pumps from running on low level. This option is not available in single phase PRO E sets. Volt free status signals for the booster sets are available for BMS connection.

Remote Monitoring

There are a number of options available to add connectivity to the system.

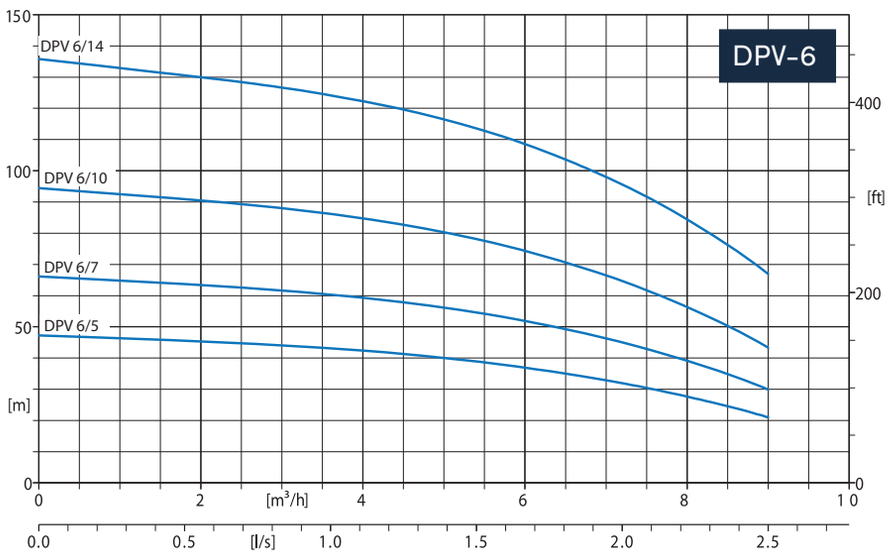
These include:

- A GSM dial out unit for alarm notification which is available throughout the **POWER**BOOST offering.
- A GPRS modem for remote access and SCADA capability. With this option it is possible to monitor the booster system performance and alarms. For system operators and service personnel this is a very efficient and useful capability. This option is only available with our PRO S offering.

PRO Variable Speed Range

Characteristic Curves & Performance Data

50Hz **n=2900 rpm** HS=0 m



230V/1PH/50Hz Power supply

Code			FLC (A)	Model	Power (P2) (Per Pump)		Q m³h Pump										
	PRO E	PRO S			kW	HP		1x	0	1	2	3	4	5	6	7	8	9
								2x	0	2	4	6	8	10	12	14	16	18
								3x	0	4	6	9	12	15	18	21	24	27
2 Pump	1021268	1029286	12.5	DPV6/5	1.1	1.5	H Meters		48	47	46	44	42	40	38	33	28	21
3 Pump	1029268	1029292	18.8															
2 Pump	1029263	1029287	12.3	DPV6/7	1.5	2			68	67	63	62	60	57	52	47	40	30
3 Pump	1029269	1029293	25.9															
2 Pump	1029264	1029288	25.1	DPV6/10	2.2	3			95	92	90	88	84	80	75	66	56	44
3 Pump	1029270	1029294	37.7															
2 Pump	-	1030938	32	DPV6/14	3	4			136	133	130	127	122	117	108	98	84	67
3 Pump	-	1030944	48															

400V/3PH/50Hz Power supply

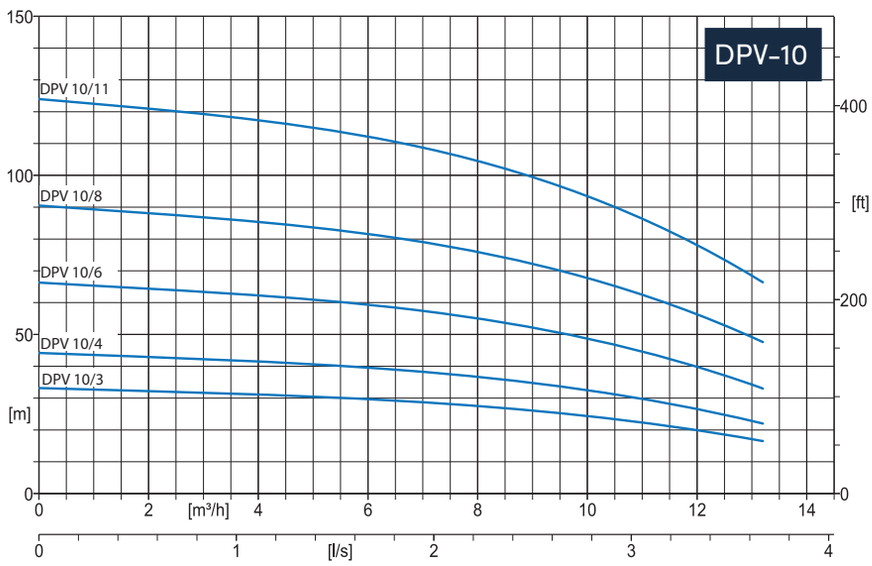
Code			FLC (A)	Model	Power (P2) (Per Pump)		Q m³h Pump										
	PRO E	PRO S			kW	HP		1x	0	1	2	3	4	5	6	7	8	9
								2x	0	2	4	6	8	10	12	14	16	18
								3x	0	4	6	9	12	15	18	21	24	27
2 Pump	1029298	1029358	4.6	DPV6/5	1.1	1.5	H Meters		48	47	46	44	42	40	38	33	28	21
3 Pump	1029315	1029375	6.9															
2 Pump	1029299	1029359	6.4	DPV6/7	1.5	2			68	67	63	62	60	57	52	47	40	30
3 Pump	1029316	1029376	9.6															
2 Pump	1029300	1029360	9.2	DPV6/10	2.2	3			95	92	90	88	84	80	75	66	56	44
3 Pump	1029317	1021563	13.8															
2 Pump	1029301	1029361	11.6	DPV6/14	3	4			136	133	130	127	122	117	108	98	84	67
3 Pump	1029318	1029378	17.4															

** Curves show individual pump performance. See tables for 2 & 3 pump performance details*
** FLC - Full Load Current*

PRO Variable Speed Range

Characteristic Curves & Performance Data

50Hz **n=2900 rpm** HS=0 m



230V/1PH/50Hz Power supply

Code			FLC	Model	Power (P2)		Q m³h	1x	0	1	2	3	4	5	6	7	8	9	10	11	12	13
					(Per Pump)			2x	0	2	4	6	8	10	12	14	16	18	20	22	24	26
	PRO E	PRO S	(A)		kW	HP	Pump	3x	0	3	6	9	12	15	18	21	24	27	30	33	36	39
2 Pump	1029265	1029289	12.5	DPV10/3	1.1	1.5			33	32.5	32	31.5	31	30	29	28	27	26	24	23	20	17
3 Pump	1029271	1029295	18.8																			
2 Pump	1029266	1029290	12.3	DPV10/4	1.5	2			44	43.5	43	42	41	40.5	40	38	36	35	32	30	27	23
3 Pump	1029272	1029296	25.9																			
2 Pump	1029267	1029291	25.1	DPV10/6	2.2	3	H Meters		67	66	64	62	61	60.5	59	57	54	52	49	44	40	34
3 Pump	1029273	1029297	37.7																			
2 Pump	1030945	1030946	32	DPV10/8	3	4			90	89	88	86	85	83.5	82	78	75	73	68	63	56	49.5
3 Pump	1030950	1030951	48																			
2 Pump	-	1080530	40.2	DPV10/11	4	5.5			124	123	121	119	117	115	113	108	104	100	93	86	78	69
3 Pump	-	1080534	60.3																			

400V/3PH/50Hz Power supply

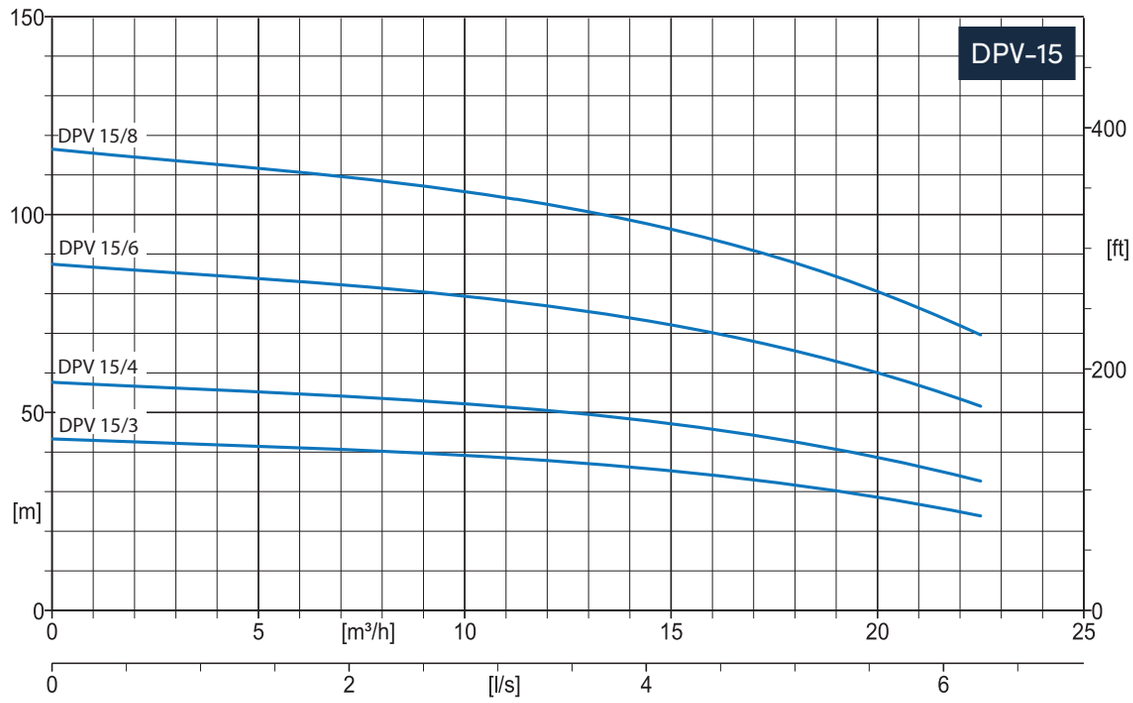
Code			FLC	Model	Power (P2)		Q m³h	1x	0	1	2	3	4	5	6	7	8	9	10	11	12	13
					(Per Pump)			2x	0	2	4	6	8	10	12	14	16	18	20	22	24	26
	PRO E	PRO S	(A)		kW	HP	Pump	3x	0	3	6	9	12	15	18	21	24	27	30	33	36	39
2 Pump	1029302	1029362	4.6	DPV10/3	1.1	1.5			33	32.5	32	31.5	31	30	29	28	27	26	24	23	20	17
3 Pump	1029319	1029379	6.9																			
2 Pump	1029303	1029363	6.4	DPV10/4	1.5	2			44	43.5	43	42	41	40.5	40	38	36	35	32	30	27	23
3 Pump	1029320	1029380	9.6																			
2 Pump	1029304	1029364	9.2	DPV10/6	2.2	3	H Meters		67	66	64	62	61	60.5	59	57	54	52	49	44	40	34
3 Pump	1029321	1029381	13.8																			
2 Pump	1029305	1029365	11.6	DPV10/8	3	4			90	89	88	86	85	83.5	82	78	75	73	68	63	56	49.5
3 Pump	1029322	1029382	17.4																			
2 Pump	1029306	1029366	14.8	DPV10/11	4	5.5			124	123	121	119	117	115	113	108	104	100	93	86	78	69
3 Pump	1029323	1029383	22.2																			

** Curves show individual pump performance. See tables for 2 & 3 pump performance details*
** FLC - Full Load Current*

PRO Variable Speed Range

Characteristic Curves & Performance Data

50Hz **n=2900 rpm** HS=0 m



230V/1PH/50Hz Power supply

Code		FLC (A)	Model	Power (P2) (Per Pump)		Q m³h	1x	0	2.5	5	7.5	10	12.5	15	17.5	20	22.5
							2x	0	5	10	15	20	25	30	35	40	25
	PRO S			kW	HP	Pump	3x	0	7.5	15	22.5	30	37.5	45	52.5	60	67.5
2 Pump	1080531	32	DPV15/3	3	4	H Meters		44	42	41	40	39	38	35	33	28	24
3 Pump	1080535	48															
2 Pump	1080532	40.2	DPV15/4	4	5.5			57	56	55	54	52	50	47	44	39	33
3 Pump	1080536	60.3															

400V/3PH/50Hz Power supply

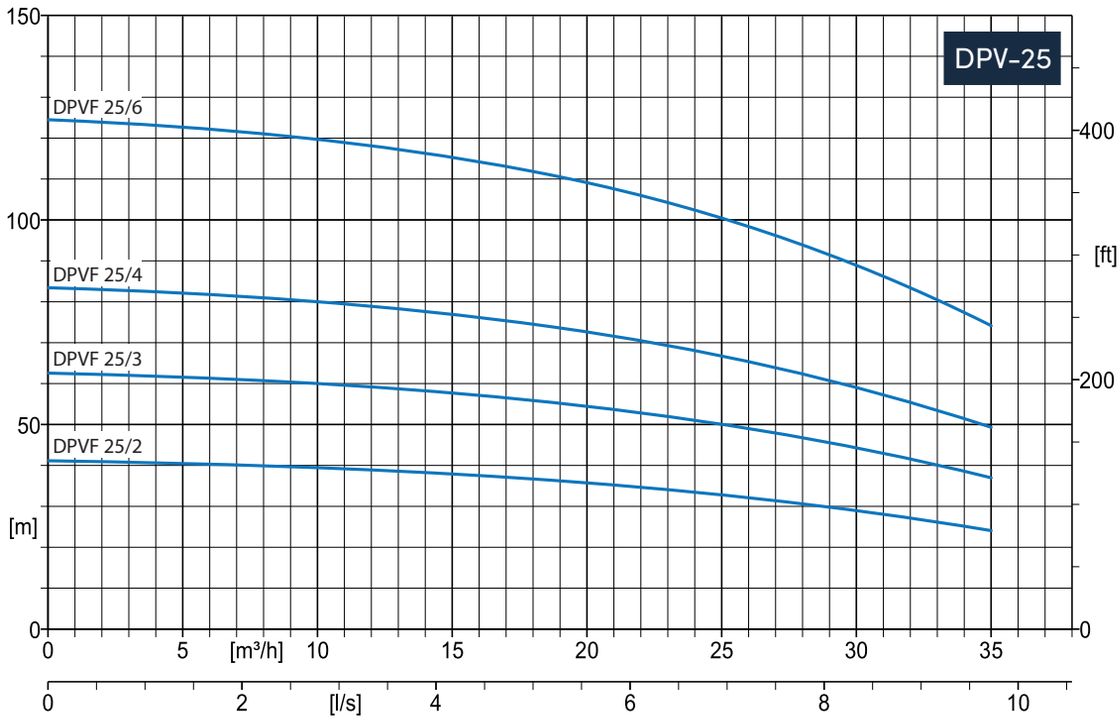
Code			FLC (A)	Model	Power (P2) (Per Pump)		Q m³h	1x	0	2.5	5	7.5	10	12.5	15	17.5	20	22.5
								2x	0	5	10	15	20	25	30	35	40	25
	PRO E	PRO S			kW	HP	Pump	3x	0	7.5	15	22.5	30	37.5	45	52.5	60	67.5
2 Pump	1029307	1029367	11.6	DPV15/3	3	4	H Meters		44	42	41	40	39	38	35	33	28	24
3 Pump	1029324	1029384	17.4															
2 Pump	1029308	1029368	14.8	DPV15/4	4	5.5			57	56	55	54	52	50	47	44	39	33
3 Pump	1029325	1029385	22.2															
2 Pump	1029309	1029369	20	DPV15/6	5.5	7.5			88	85	84	85	79.5	76	72	66	60	52
3 Pump	1029326	1029386	30															
2 Pump	1029310	1029370	26.6	DPV15/8	7.5	10			117	114	112	109	106	102	96	89	80	69.5
3 Pump	1029327	1029387	39.9															

** Curves show individual pump performance. See tables for 2 & 3 pump performance details*
** FLC - Full Load Current*

PRO Variable Speed Range

Characteristic Curves & Performance Data

50Hz **n=2900 rpm** HS=0 m



230V/1PH/50Hz Power supply

Code		FLC (A)	Model	Power (P2) (Per Pump)		Q m³h	1x	0	2.5	5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35
	PRO S			kW	HP		2x	0	5	10	15	20	25	30	35	40	25	50	55	60	65	70
						Pump	3x	0	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5	90	97.5	105
2 Pump	1080533	40.2	DPVF25/2	4	5.5	H Meters	41	40.5	40	40	39	38	37	36	35.5	34	33	31	29	26	24	
3 Pump	1080537	60.3																				

400V/3PH/50Hz Power supply

Code			FLC (A)	Model	Power (P2) (Per Pump)		Q m³h	1x	0	2.5	5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35
	PRO E	PRO S			kW	HP		2x	0	5	10	15	20	25	30	35	40	25	50	55	60	65	70
							Pump	3x	0	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5	90	97.5	105
2 Pump	1029311	1029371	14.8	DPVF25/2	4	5.5	H Meters	41	40.5	40	40	39	38	37	36	35.5	34	33	31	29	26	24	
3 Pump	1029328	1029388	22.2																				
2 Pump	1029312	1029372	20	DPVF25/3	5.5	7.5		63	62	61	60.5	60	59	57	56	54	52	50	47	44	42	38	
3 Pump	1029329	1029389	30																				
2 Pump	1029313	1029373	26.6	DPVF25/4	7.5	10		84	83	82	81	80	78	76	75	73	70	67	64	59	54	50	
3 Pump	1029330	1029390	39.9																				
2 Pump	1029314	1029374	38.6	DPVF25/6	11	15		124	123	122	121	120	117	115	113	109	104	100	95	89	83	74	
3 Pump	1029331	1029391	57.9																				

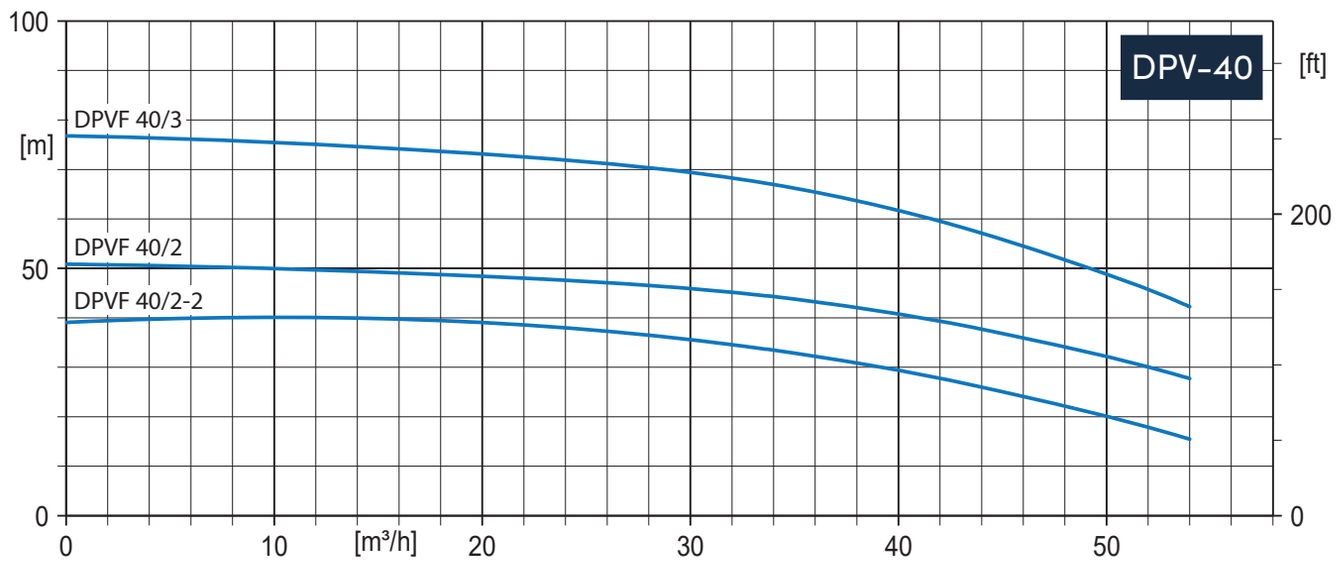
** FLC - Full Load Current*

** Curves show individual pump performance. See tables for 2 & 3 pump performance details*

PRO Variable Speed Range

Characteristic Curves & Performance Data

50Hz **n=2900 rpm** HS=0 m



400V/3PH/50Hz Power supply

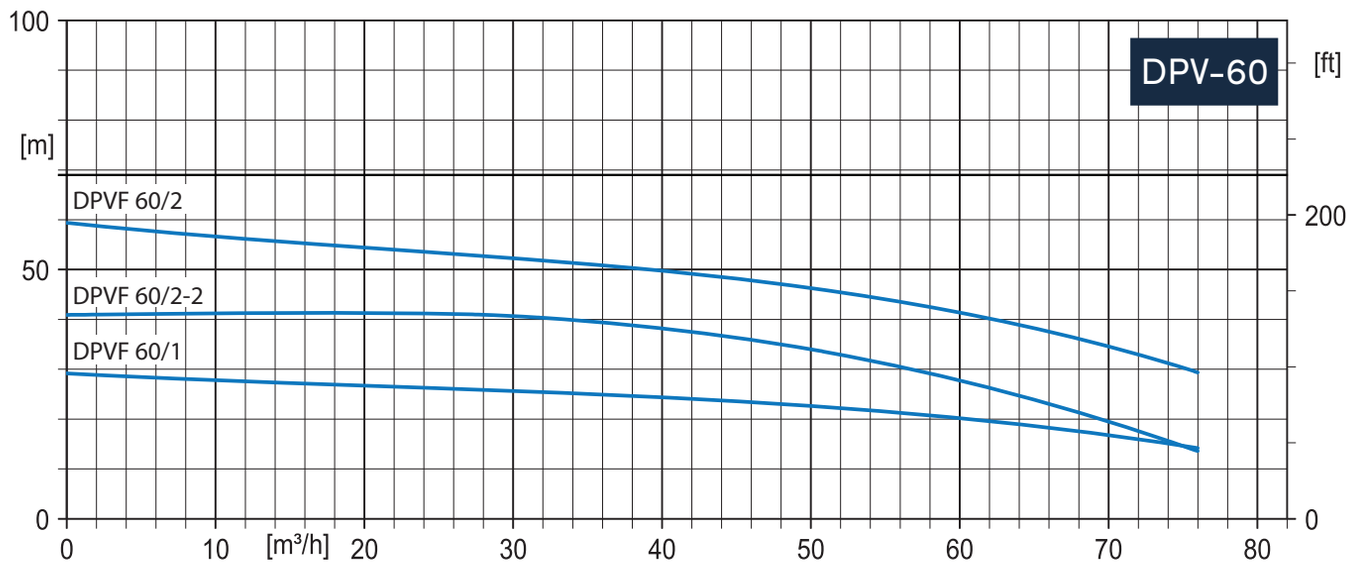
Code		FLC	Model	Power (P2)		Q m³h												
				(Per Pump)			1x	0	5	10	15	20	25	30	35	40	45	50	55
		(A)					2x	0	10	20	30	45	50	60	70	80	90	100	110
	PRO S			kW	HP	Pump	3x	0	15	30	45	60	75	90	105	120	135	150	165
2 Pump	1080153	20	DPVF40/2-2	5.5	7.5			40	39	39	39	38	37	36	34	30	24	20	16
3 Pump	1080167	30																	
2 Pump	1080154	26.6	DPVF40/2	7.5	10	H Meters		50	50	50	49	48	47	46	44	41	36	32	28
3 Pump	1080170	39.9																	
2 Pump	1080155	38.6	DPVF40/3	11	15			77	77	76	74	73	72	69	67	62	56	49	43
3 Pump	1080173	57.9																	

** Curves show individual pump performance. See tables for 2 & 3 pump performance details*
** FLC – Full Load Current*

PRO Variable Speed Range

Characteristic Curves & Performance Data

50Hz **n=2900 rpm** HS=0 m



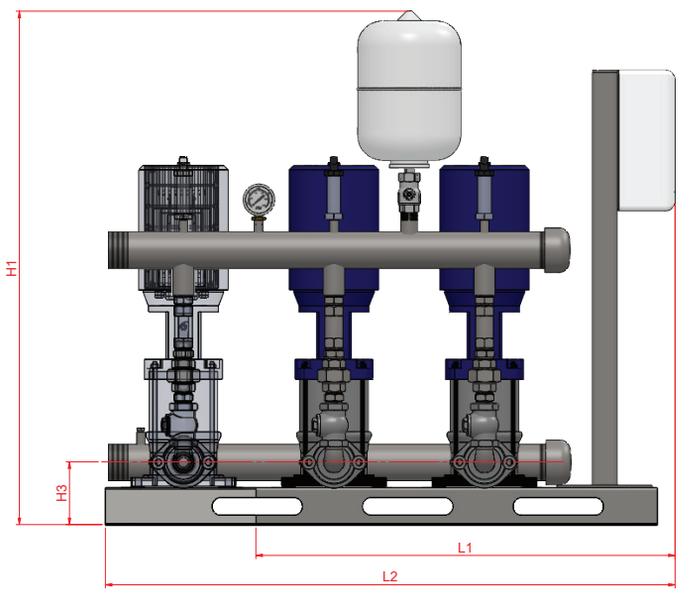
400V/3PH/50Hz Power supply

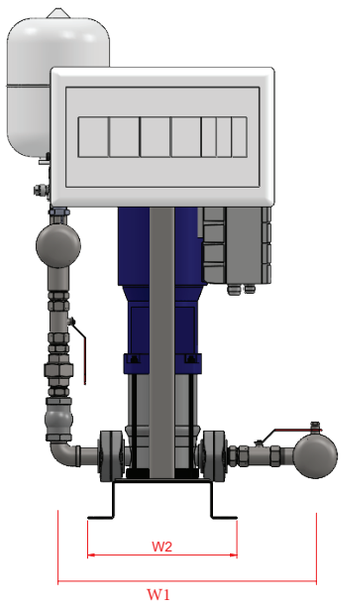
Code		FLC	Model	Power (P2)		Q m³h															
		(A)		(Per Pump)			1x	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
							2x	0	10	20	30	45	50	60	70	80	90	100	110	120	130	140	150
	PRO S			kW	HP	Pump	3x	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225
2 Pump	1080189	20	DPVF60/1	5.5	7.5			29	28.5	28	27	26.5	26	25	24.5	24	23	22	21	20	18	16	14
3 Pump	1080190	30																					
2 Pump	1080163	26.6	DPVF60/2-2	7.5	10	H Meters		41	41	41	41	41	41	40.5	40	38	36	34	32	28	24	20	14
3 Pump	1080174	39.9																					
2 Pump	1079116	38.6	DPVF60/2	11	15			59	58	57	56	54	53	52	51	50	48	47	44	41	38	64	29
3 Pump	1080175	57.9																					

** Curves show individual pump performance. See tables for 2 & 3 pump performance details*
** FLC - Full Load Current*

PRO Variable Speed Range

PRO E Range



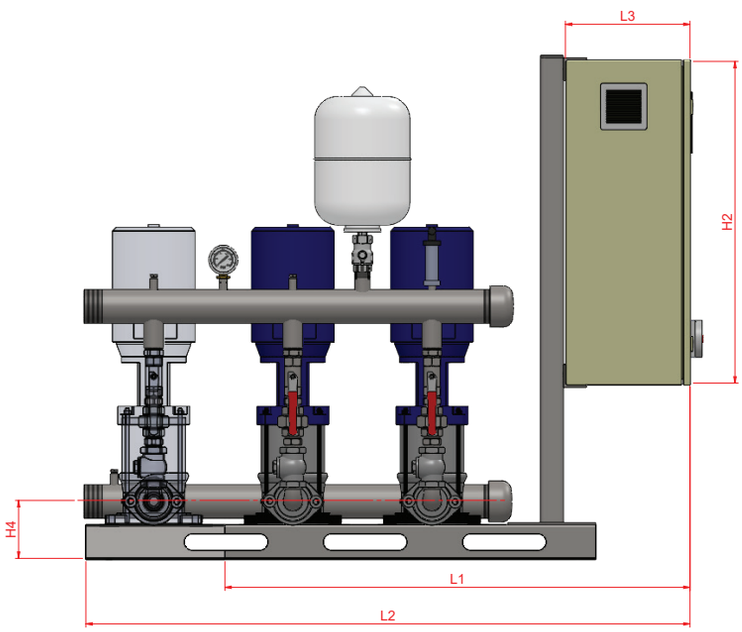


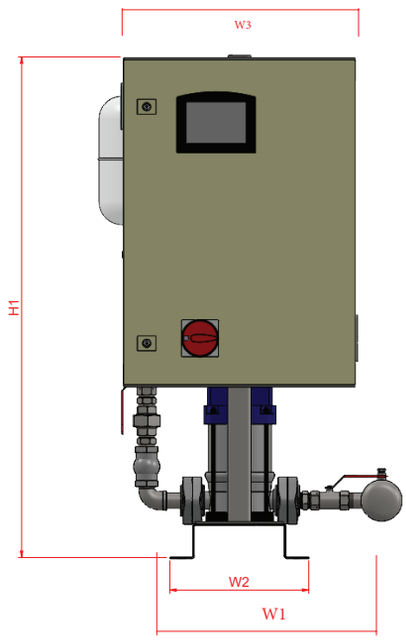
Model	No. Of Pumps	H1(mm)	H3(mm)	L1(mm)	L2(mm)	W1(mm)	W2(mm)	PIPE CONNECTIONS	
								Inlet	Outlet
DPV6	2	1216	125	923		*700	300	2"BSPP	
	3	1216	125		1135	*700	300	2 1/2"BSPP	
DPV10	2	1264	155	923		*700	300	2 1/2"BSPP	
	3	1264	155		1135	*700	300	2 1/2"BSPP	
DPV15	2	1291	155	923		*700	350	3"BSPP	
	3	1291	155		1285	*700	350	3"BSPP	
DPV25	2	1647	215	923		*700	350	DN100 PN16 Flanged	
	3	1647	215		1285	*700	350	DN100 PN16 Flanged	

* *Approximate measurements only*

PRO Variable Speed Range

PRO S Range



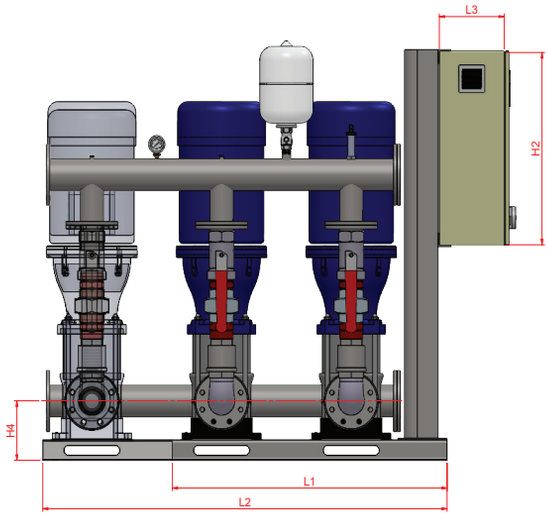


Model	No. Of Pumps	H1(mm)	H2(mm)	H4(mm)	L1(mm)	L2(mm)	L3(mm)	W1(mm)	W2(mm)	W3(mm)	PIPE CONNECTIONS	
											Inlet	Outlet
DPV6	2	1458	600	125	955		210	*440	300	600	2"BSPP	
	3	1485	700	125		1285	210	*440	300	500	2 1/2"BSPP	
DPV10	2	1485	600	155	955		210	*550	300	600	2 1/2"BSPP	
	3	1485	700	155		1285	210	*550	300	500	2 1/2"BSPP	
DPV15 ≤ 5.5KW	2	1485	600	180	1095		210	*700	350	600	3"BSPP	
	3	1485	700	180		1445	210	*700	350	500	3"BSPP	
DPV15 ≥ 7.5KW	2	1458	600	180	1095		300	*700	350	600	3"BSPP	
	3	1485	800	180		1445	300	*700	350	600	3"BSPP	
DPV25 ≤ 5.5KW	2	1485	600	215	1095		210	*700	350	600	DN100 PN16 FLANGED	
	3	1485	700	215		1485	210	*700	350	500	DN100 PN16 FLANGED	
DPV25 ≥ 7.5KW	2	1485	600	215	1095		300	*700	350	600	DN100 PN16 FLANGED	
	3	1485	800	215		1485	300	*700	350	600	DN100 PN16 FLANGED	

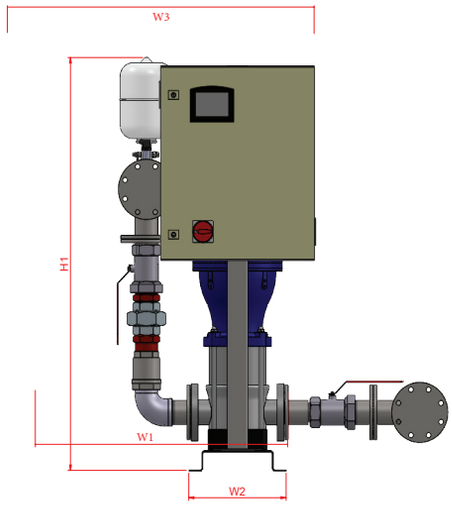
** Approximate measurements only*

PRO Variable Speed Range

PRO S Range



ELEVATION



END VIEW

Model	No. Of Pumps	H1(mm)	H2(mm)	H4(mm)	L1(mm)	L2(mm)	L3(mm)	W1(mm)	W2(mm)	W3(mm)	PIPE CONNECTIONS (FLANGED)	
											Suction	Discharge
DPVF40 ≤ 5.5KW	2	1500	600	240	1210		210	*1000	380	600	DN100 PN16	DN80 PN16
	3	1500	700	240		1710	210	*1000	380	500	DN150 PN16	DN100 PN16
DPVF40 ≥ 7.5KW	2	1500	600	240	1300		300	*1000	380	600	DN100 PN16	DN80 PN16
	3	1485	800	240		1800	300	*1000	380	600	DN150 PN16	DN100 PN16
DPV60 ≤ 5.5KW	2	1500	600	240	1210		210	*1200	380	600	DN150 PN16	DN100 PN16
	3	1500	700	240		1710	210	*1200	380	500	DN150 PN16	DN150 PN16
DPV60 ≥ 7.5KW	2	1500	600	240	1300		300	*1200	380	600	DN150 PN16	DN100 PN16
	3	1500	800	240		1800	300	*1200	380	600	DN150 PN16	DN150 PN16

** Approximate measurements only*

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John O'Brien	*087 9060418*
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Adrian Bucke	*086 1364711*

Water Treatment:
Timmy Taylor *086 8323034*

Deliveries:
Ed Walsh *086 2045253*

Ballyhaunis

Reception: *094 9633500*

Pump Sales:

Aidan Fleming	*087 9238121*
Pat Brennan	*087 1954829*
Stephen Coyne	*085 8719774*

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5
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30
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