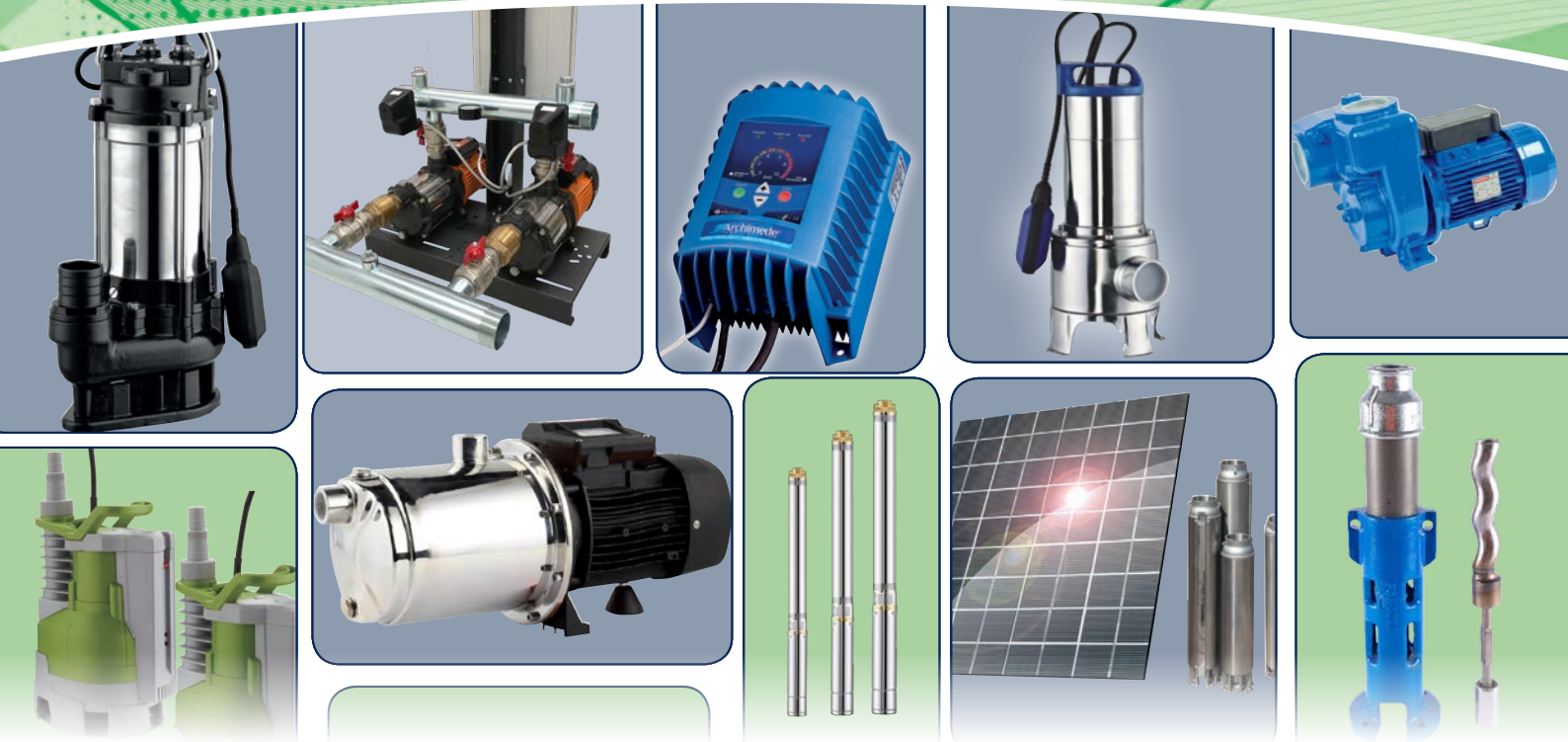




# Pumps



C a t a l o g u e ***Edition Five***

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# About us

At PEEL Pumps we are here to provide you with a good reliable service for all your pumping requirements. With more than 30 years of experience maintaining landfill sites and other major pumping requirements such as pumping stations, clean water applications & wastewater projects, we maintain our electrical engineering experience cannot be beaten.

With more happy customers all around the country and our reliable connections with the major pump supplier in Europe, we are confident in getting your products to you quickly and efficiently.

All products we offer are carefully selected by our engineers and directly imported from the producer, all this in order to offer you the best possible quality price ratio.



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# i-SPRING

**Built-in float switch**  
ideal for tight spaces!



### Motor and features

Electric motor with thermal protection and capacitor.  
Insulation class B  
Electrical cable 10 meters with schuko plug.  
Output: Gas 1½"  
With outlet fitting: G1¼" - G1"  
Protection degree IP68  
Power supply in single-phase 230V-50Hz  
Excellent motor cooling even in partially submerged conditions.

### Applications

Drainage electric pump for clear and dirty water in domestic use.  
Designed to drain small wells. Supplied with outlet fitting and built-in clapet valve.

### Built-in float switch

The height of float switch can be adjusted according to the customers use.

### i-SPRING 130

#### Operating conditions

Lowest pump suction level 5mm  
Max. working temperature 35°C  
Max. submersible depth 7mt  
Max. grain size 5 mm  
Max. pump rate 7800 l/min  
Max. head 6 mt

### i-SPRING XT 230

#### Operating conditions

Lowest pump suction level 45mm  
Max. working temperature 35°C  
Max. submersible depth 7mt  
Max. grain size 35 mm  
Max. pump rate 15500 l/min  
Max. head 8 mt



### i-SPRING 190 INOX

#### Operating conditions

Lowest pump suction level 23 mm  
Max. working temperature 35°C  
Max. submersible depth 7mt  
Max. grain size 5mm  
Max. pump rate 11400/min  
Max. head 8,5 mt

### Motor and features

Electric motor with thermal protection and capacitor.  
Insulation class B  
Electrical cable 10 meters with schuko plug.  
Outlet: Gas G1 ¼"  
With outlet fitting: G1 ¼" - G1"  
Protection degree IP68  
Power supply in single phase 230V-50Hz  
Excellent motor cooling even in partially submerged conditions.

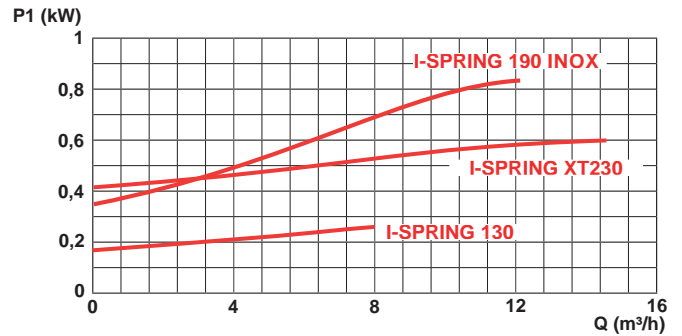
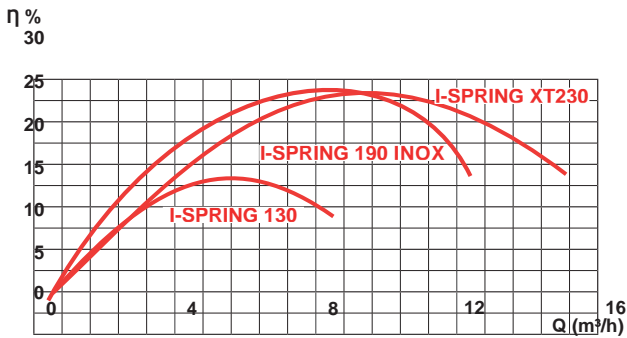
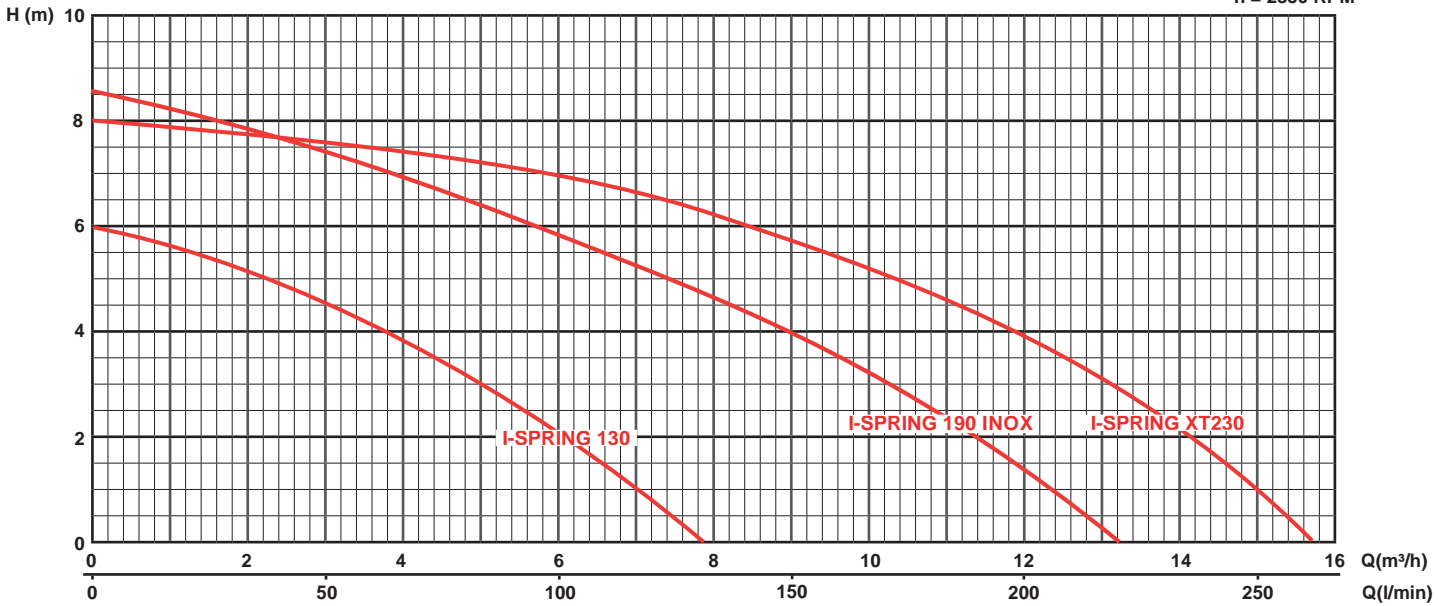
### Applications

Drainage electric pump for clear water in domestic use.  
designed to drain small wells. Supplied without fittings.

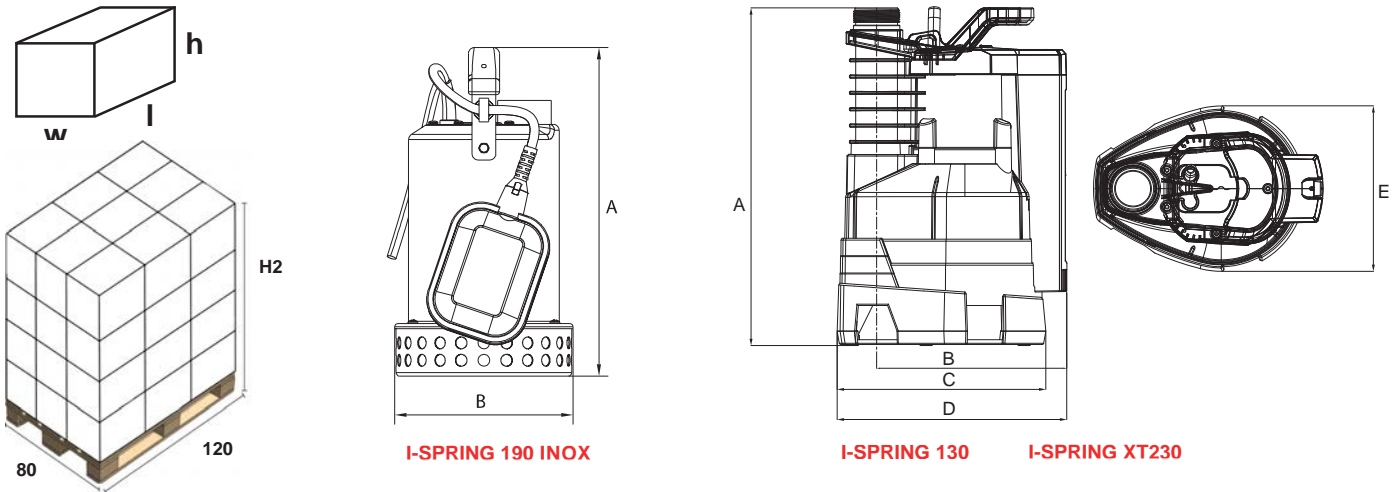
Model	Price	Rated power		I Max. [A]		Q = Capacity						
		Hp	kW P2	Single-phase 230V	Three-phase 400V	l/min	0	50	100	150	200	250
						m³/h	0	3	6	9	12	15
Total head in meters w.c.												
I-SPRING 130	£ 186,12	0,36	0,25	1,16	/	H (m)	6	4,5	2			
I-SPRING XT 230	£ 217,8	1	0,75	2,52	/		8	7,7	7	5,8	3,9	1
I-SPRING 190 INOX	£ 233,64	1	0,75	2,35	/		8,5	7,2	5,3	3	o	

For input power P1 please check the curve on the next page

n = 2850 RPM



PACKING DIMENSIONS



PUMPS'S MODEL	Pumps's Dimensions mm					Packing Dimensions cm			Weight	Quantity per pallet	
	A	B	C	D	E	w	l	h	kg	H2	n°
I-SPRING 130	321	196	215,1	236,7	172,1	18	24	37	4,5	124	60
I-SPRING XT 230	351	196	215,1	236,7	172,1	18	24	37	5,6	124	60
I-SPRING 190 INOX	296	150	150			17	17	32	5,5	111	60

# TANK MATIC



TANK MATIC 1200

### Applications

Multi-impeller 4" submersible pump with integrated electronics for automatic switching on and off. Restart function included. Ideal for use in rain water applications, to pump water from cisterns, ponds, wells or other applications requiring high pressure.

### Motor and features

Model with integrated electronics: TANK MATIC -PRO MATIC  
 Power: 1100W cooper wire motor  
 Number of impeller: 4  
 Electric cable 10 mt  
 Flow sensor and dry-running protection integrated  
 Built-in capacitor and integrated non-return valve

Component	Material
Pump body	AISI 304
Pump outlet	AISI 304
Diffuser	Plastic PPO
Impeller	Plastic POO
Motor housing	AISI 201
Motor shaft	AISI 304
Bottom support	Plastic PP+15GF
Inlet grid	AISI 304

### Operating limits

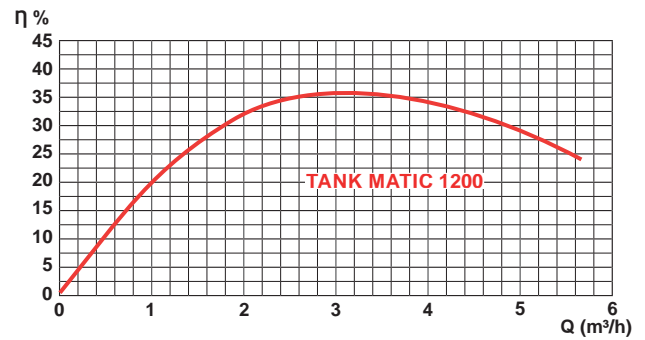
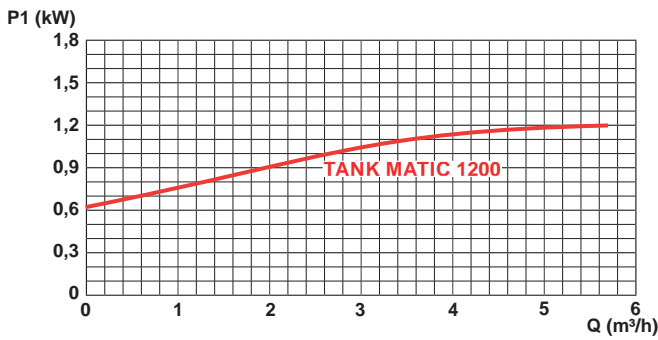
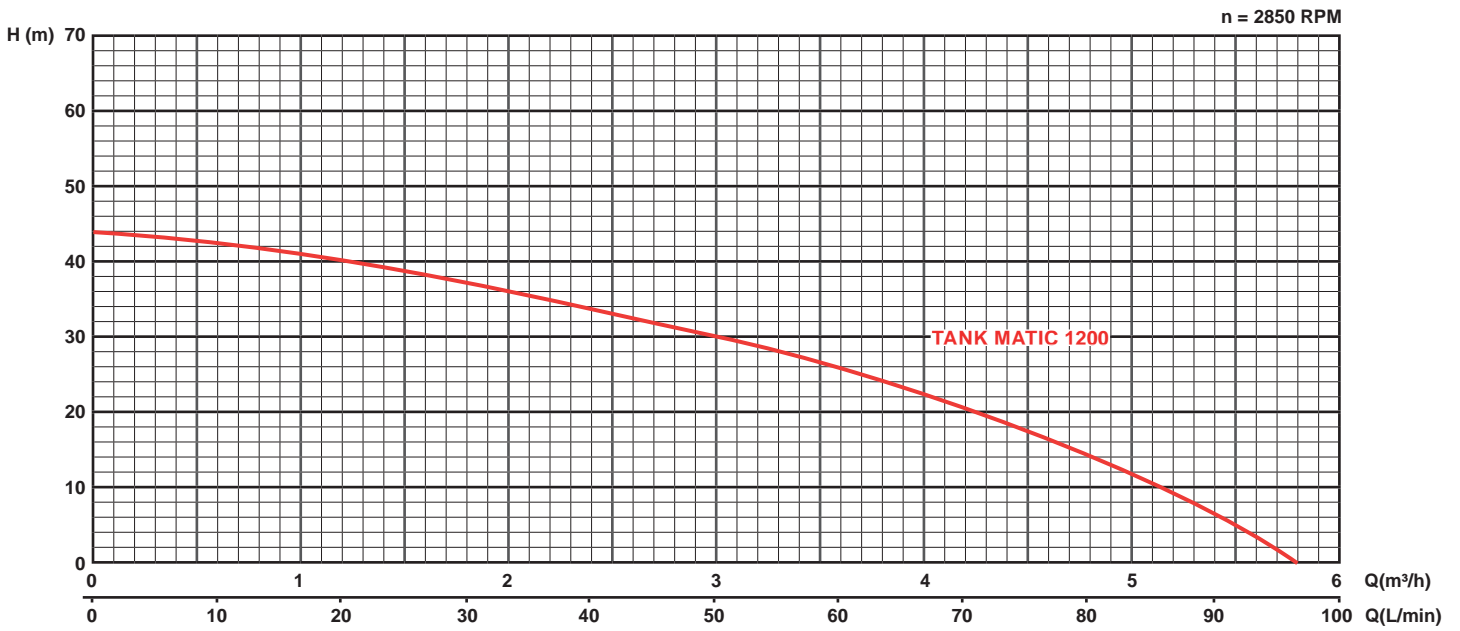
Max. fluid temperature up to +35°C  
 Liquid condition: clear water with solid max of 0,5mm  
 Max. immersion: 7m  
 Outlet size D-PRO MATIC: G1"



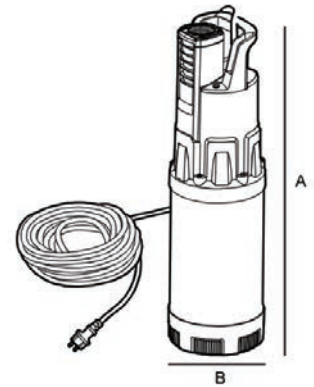
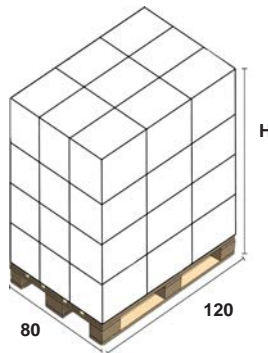
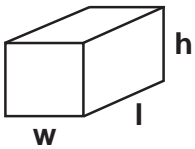
TANK MATIC1200

Model	Price	Rated power		I Max. [ A ]		Q = Capacity						
		Hp	kW P2	Single-phase 230V	Three-phase 400V	m³/h	0	1	2	3	4	5
						l/min	0	16,7	33,4	50,1	66,8	83,5
						Total head in meters w.c.						
TANK MATIC 1200	£ 535,71	1,1	0,8	4,5	/	H (m)	44	39	35	30	20	10

For input power P1 please check the curve on the next page



PACKING DIMENSIONS



PUMPS'S MODEL	PUMPS'S DIMENSIONS mm		PACKING DIMENSIONS cm			WEIGHT kg	Quantity per pallet	
	A	B	w	l	h		H	n°
TANK MATIC 1200	590	198	260	210	600	12,4	105,4	30

# ARK MATIC



### Applications

For water supply from wells or reservoirs.  
For domestic use, for civil use and industrial applications.  
For garden use and irrigation  
Available with 5 and 7 impellers

### Motor and features

Equipped with built in electronic system to turn on and turn off the pump automatically.  
Integrated with water flow sensor  
With electronic control board  
No flow protection  
Automatic reset  
Non return valve built-in in the outlet  
Floating impellers  
Double mechanical seal in oil bath  
Electric cable 10 mt and rope 20 mt

### Operating limits

Max. fluid temperature up to +40°C  
Max. sand content: 0.15%  
Max. immersion: 10m  
Min. well diameter: 4"

### Recommendations

Install the pump at least of 20 cm from the bottom of the well in order to avoid the suction of sand or mud

Component	Material
Pump external casing	AISI 304
Pump outlet	Plastic PPO
Pump inlet	Plastic PPO
Diffuser	Plastic PC
Diffuser cover	Plastic PC
Impeller	Plastic POM
Motor housing	AISI 201
Bearings seats	ZL102
Mechanical seal	Ceramics/Graphite
Motor shaft	AISI 304
Cylinder cap	Plastic PPO
Bottom support	Plastic PVC
Inlet grid	AISI 304
Bearings	NSK



### Warnings

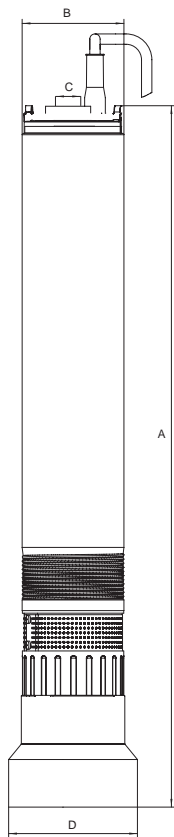
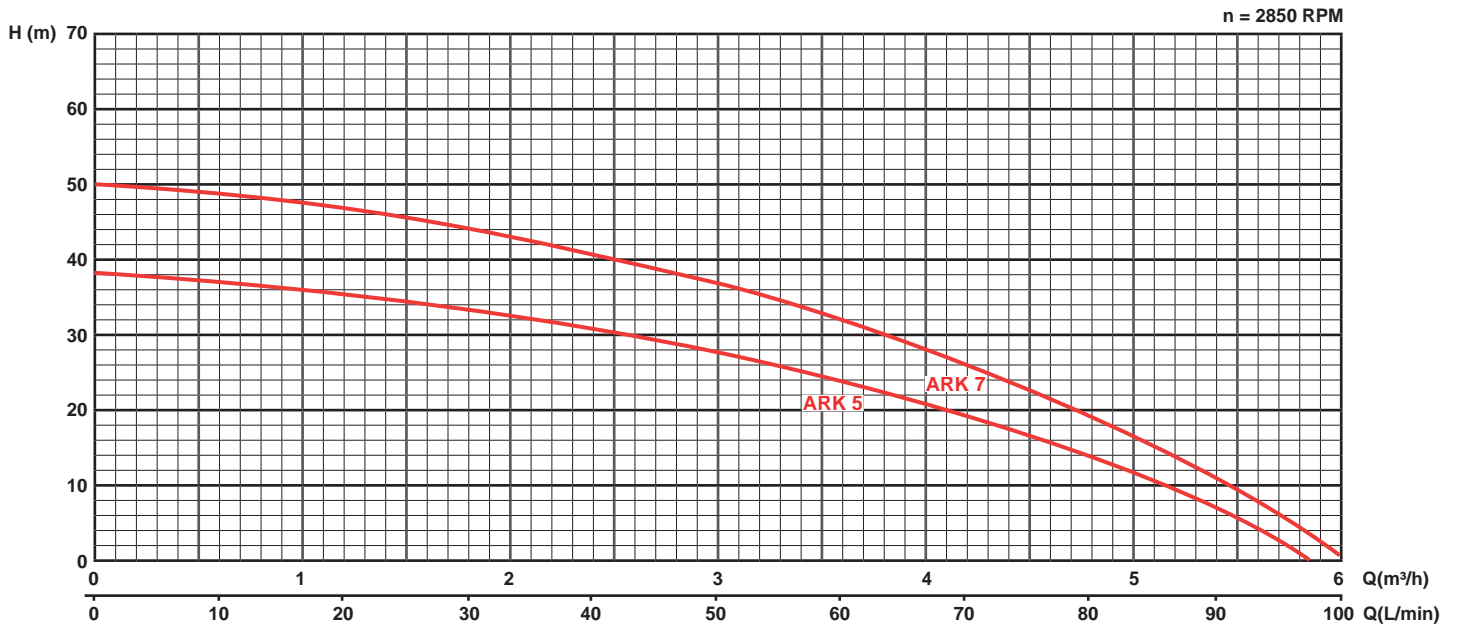
Install the pressure tank without check valves



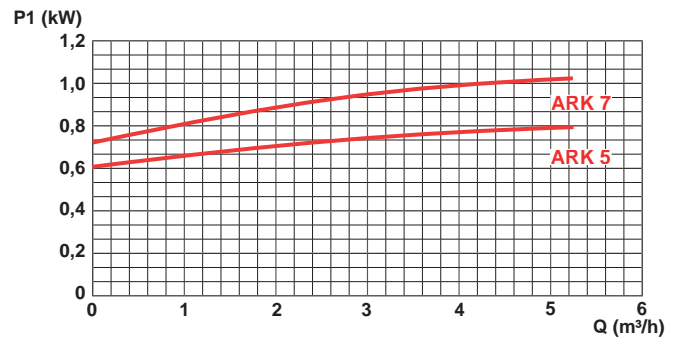
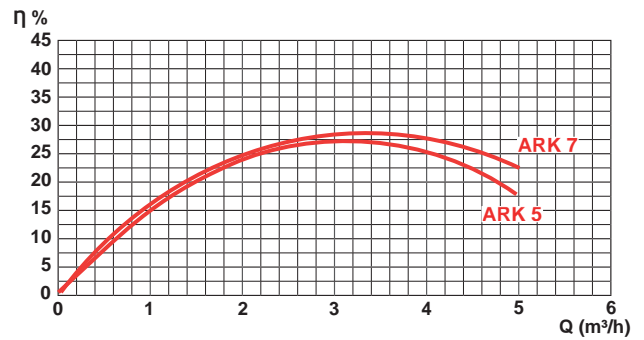
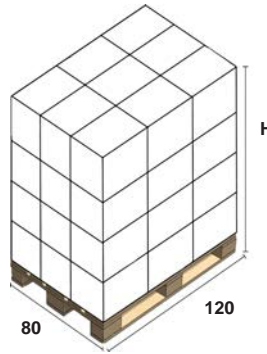
Model	Price	Rated power		I Max. [ A ]		Q = Capacity						
						m³/h	0	1	2	3	4	5
		Hp	kW P2	Single-phase 230V	Three-phase 400V	l/min	0	16,7	33,4	50,1	66,8	83,5
Total head in meters w.c.												
ARK 5	£ 511,59	0,75	0,55	4,0	/	H (m)	37	35	32	26	20	13
ARK 7	£ 544,81	1,1	0,8	5,5	/		50	47	42	34	25	15

For input power P1 please check the curve on the next page





PACKING DIMENSIONS



PUMPS'S MODEL	PUMPS'S DIMENSIONS mm				PACKING DIMENSIONS cm			WEIGHT	Quantity per pallet	
	A	B	C	D	w	l	h	kg	H	n°
ARK 5	805	98,4	1"	124,5	15	94	20	11,0	109	35
ARK 7	819	98,4	1"	124,5	15	102	17	12,0	109	35

# SC5 CENTRIFUGAL ELECTRIC WELL PUMPS, 5"

Multistage submersible centrifugal electric pumps, 5", in AISI 304.



## Applications

- Handling clear water from wells, cisterns and first collection tanks
- Pressurising domestic systems
- Small irrigation systems
- Washing vehicles
- Increasing pressure in general

## Technical features

- Fitted with double mechanical seals with interposing oil chamber
- Supplied with 10 m power cord, type H07RN-F
- Single phase version with float available on request (version "A")
- Available in the three phase 230V  $\pm 10\%$  50Hz version
- Installation: horizontal or vertical

## Pump technical data

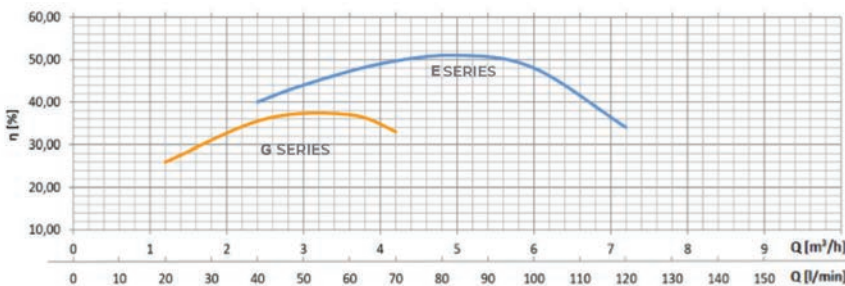
- Maximum operating pressure: 10 bar
- Maximum fluid temperature: 40°C
- Maximum solid dimensions: 2.5 mm
- Delivery connection G 1" 1/4

## Motor technical data

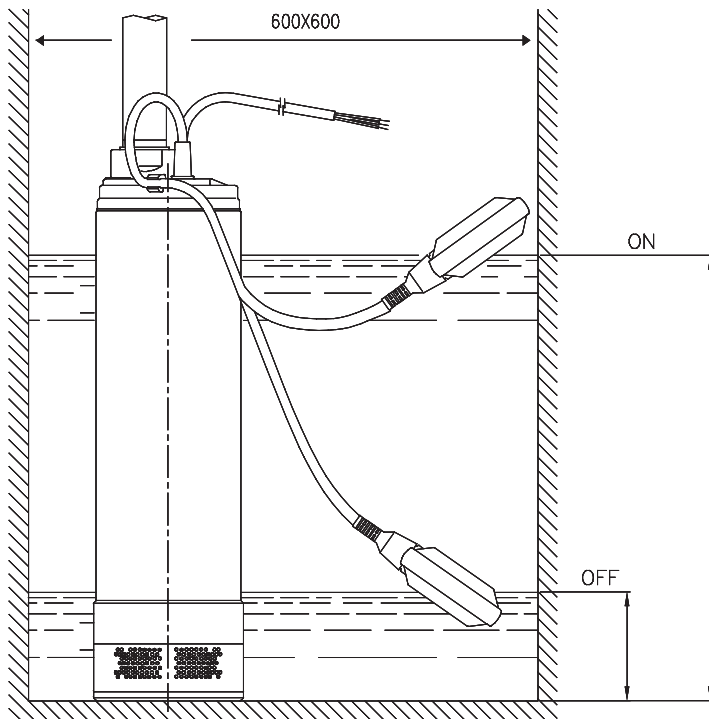
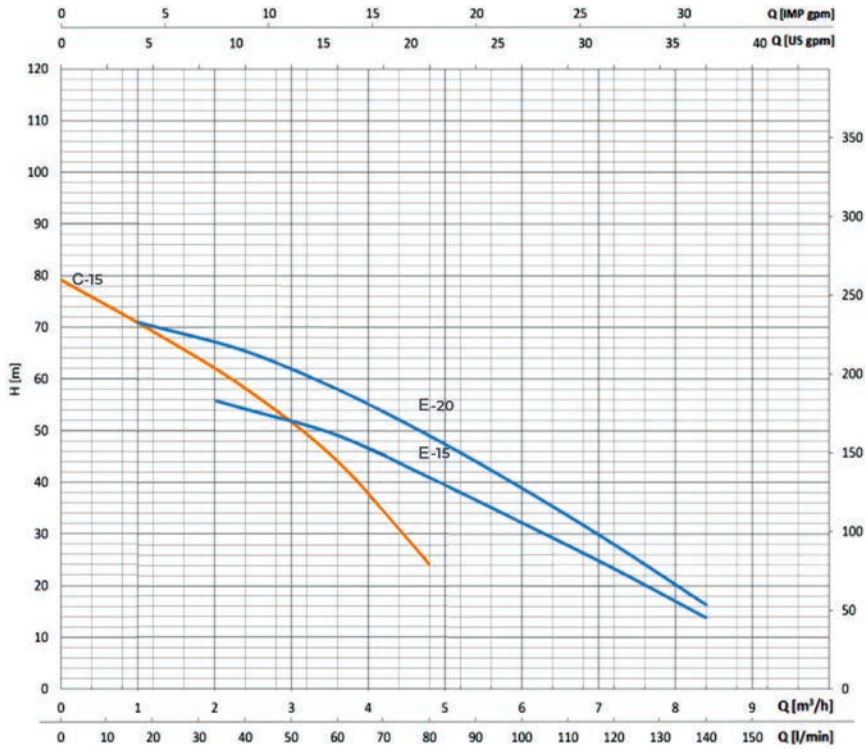
- 2 pole asynchronous self-ventilating motor cooled by the internal passing fluid
- Insulation class F
- Protection degree IP68
- Single phase voltage 230V  $\pm 10\%$  50Hz, three phase voltage 400V  $\pm 10\%$ , 50Hz
- Protection must be supplied by the user for the three phase version

## Materials

- External casing, motor cover, seal disk, filter and closing ring in AISI 304
- Impeller, diffuser and spacer in PPE + PS reinforced with fibreglass
- Shaft made of AISI 431 steel
- Upper mechanical seal (motor side) in Carbon/Ceramic/ NBR and lower seal (pump side) in SiC/Carbon/NBR



Model	Price 230V	Price 400V	Rated power		I Max.		Q = Capacity						
			Hp	kW P2	Single-phase 230V	Three-phase 400V	m³/h 1,2	1,8	2,4	3,6	4,8	6	7,2
							l/min 20	30	40	60	80	100	120
							Total head in meters w.c.						
C- 15	£ 730	£ 685	1,5	1,1	7,3	3	75,7	70,3	63,6	45,7	23,5		
E - 15	£ 695	£ 656	1,5	1,1	7,5	3,1		57	55	48,5	40	28	19
E - 20	£ 839	£ 787	2	1,5		3,5		68,4	66	58,2	48	34,8	22,8



Pumps's Model	Pumps's Dimensions Mm				Packing Dimensions Cm			Weight kg	Quantity per pallet	
	H		G	ø	w	l	h		H	n°
C-15	61,6		11/4"	13,8	14	14	65	18,3	100	54
E-15	56,4		11/4"	13,8	14	14	65	17,4	100	54
E-20	59		11/4"	13,8	14	14	65	18	100	54

# DK INOX



### Applications

Drainage for waste water.  
Suitable for dirty water with solid particles of max. diameter of 35 mm.

### Motor and features

Protection degree IP68  
Power supply in single-phase 230V-50Hz  
Electrical cable 10 mt  
Insulation class B  
Impeller: INOX-VORTEX

Component	Material
Motor	Brass
Pump body	AISI 304
Motor shaft	AISI 304
Bottom support	AISI 304
Mechanical seal	Graphite & Cermic
Seal lubricant oil	Oil for food machinery and pharmaceutic use
VORTEX back impeller	AISI 304

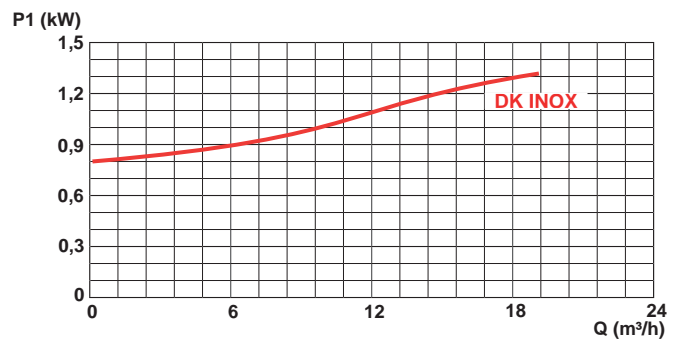
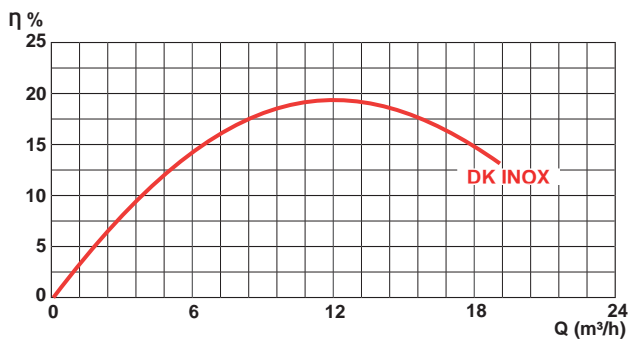
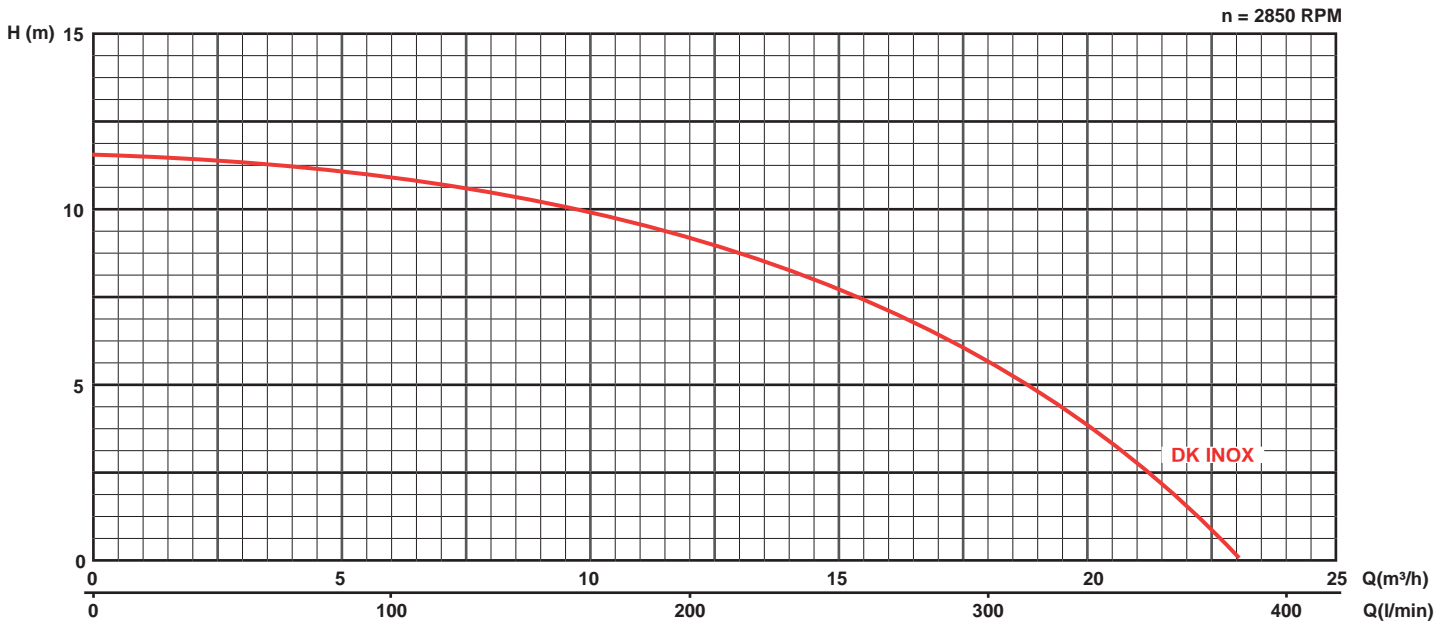
### Application limits

Max. water temperature 40°C  
Liquid condition: dirty water with maximum solid of 35mm.  
pH level from 4-10  
Max. flowrate: 22800 l/h  
Max. head: 11,7 mt

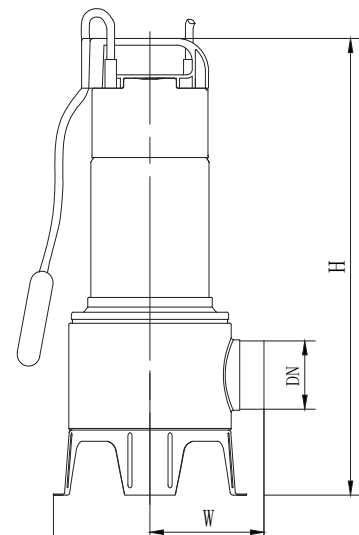
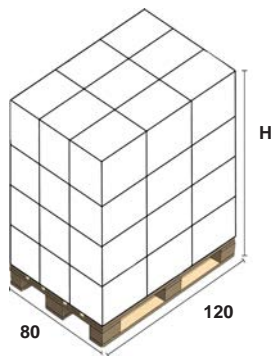
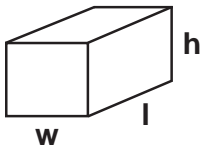
Model	Price	Rated power		I Max. [ A ]		Q = Capacity								
		Hp	kW P2	Single-phase 230V	Three-phase 400V	l/min	0	50	100	150	200	250	300	350
						m³/h	0	3	6	9	12	15	18	21
Total head in meters w.c.														
DK INOX	£ 522,72	1	0,75	4,7	/	H (m)	11,7	11,4	10,8	10	9	7,6	5,8	3,7

For input power P1 please check the curve on the next page





PACKING DIMENSIONS



PUMPS'S MODEL	PUMPS'S DIMENSIONS mm			PACKING DIMENSIONS cm			WEIGHT	Quantity per pallet	
	A	B	DN	w	l	h	kg	H	n°
DK INOX	220	415	2"	27,5	46,3	23,5	10,9	110	24

# DK BLACK



### Applications

Drainage for waste water.  
Suitable for dirty water with solid particles of max. diameter of 35 mm. (Three-phase version 25 mm)

### Motor and features

Insulation class B  
Protection degree IP68  
Power supply in single-phase 230V-50Hz or three-phase 230/400V-50Hz  
Electrical cable 10 mt

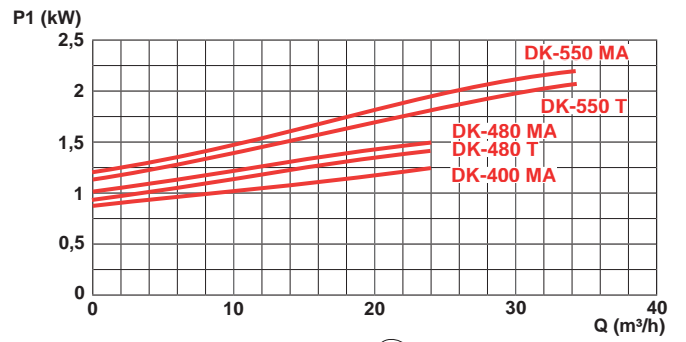
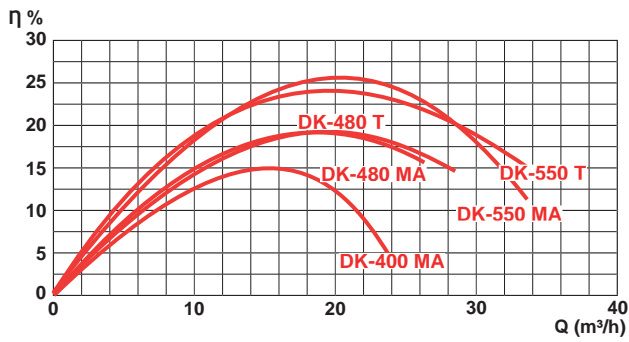
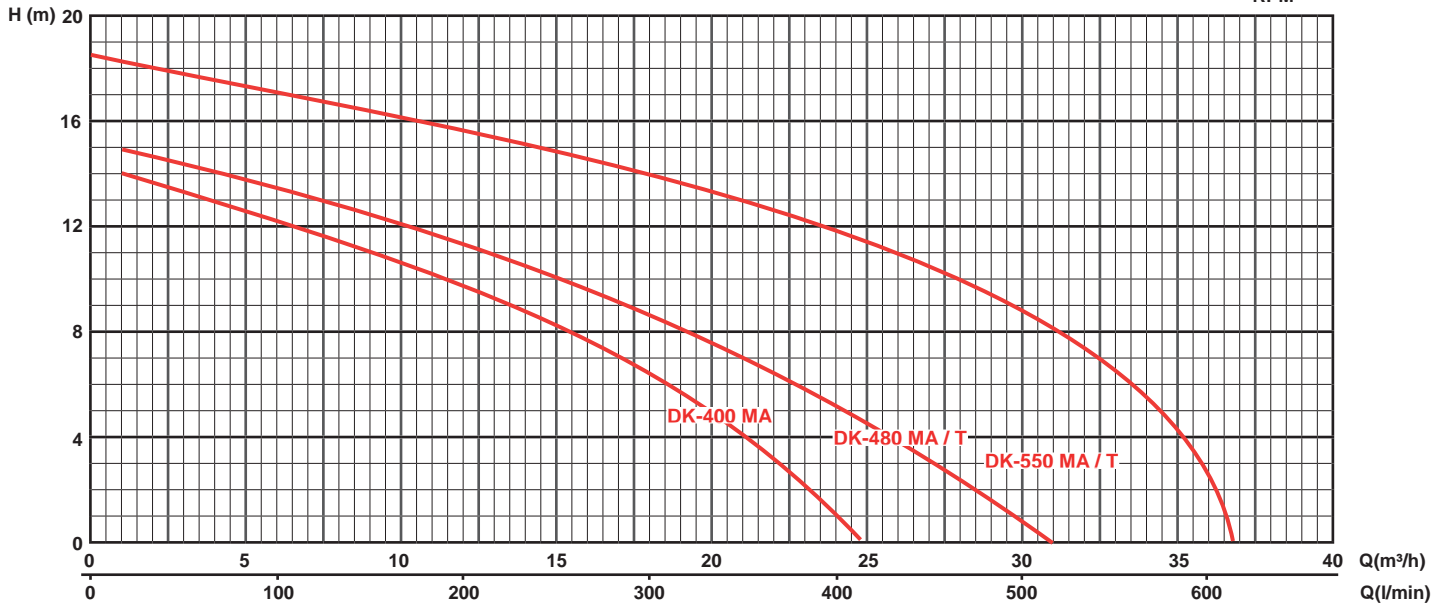
Component	Material
Motor	Brass
Pump body	Cast Iron
Motor shaft	AISI 316
Bottom support	Cast Iron
Mechanical seal	Graphite & Cermic
Seal lubricant oil	Oil for food machinery and pharmaceutic use
Impeller	Cast Iron

### Application limits

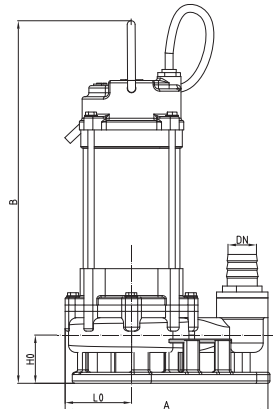
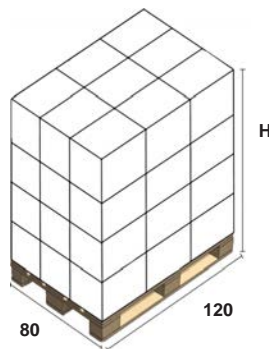
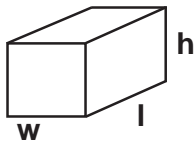
Max. water temperature 40°C  
Immersion depth from 0,5m-5m  
Liquid condition: dirty water with maximum solid of 35 mm.  
pH level from 4-10  
Max. head: 14 mt

Model	Price	Rated power		I Max. [ A ]		Q = Capacity										
		Hp	kW P2	Single-phase 230V	Three-phase 400V	l/min	0	50	100	150	250	350	450	550		
						m³/h	0	3	6	9	15	21	27	33		
												Total head in meters w.c.				
DK BLACK-400 MA	£ 451,44	1	0,75	5,2	/	H (m)	14	13	12	10,5	7,5	3				
DK BLACK-480 MA	£ 542,52	1,5	1,1	7,3	/		15	14,5	13	12	9,5	6,5	2,5			
DK BLACK-550 MA	£ 772,2	2	1,5	10,1	/		18,5	17,8	17	16	14,3	13	11	8		
DK BLACK-550 T	£ 772,2	2	1,5	/	3,6		18,5	17,8	17	16	14,3	13	11	8		

n = 2850  
RPM



DIMENSIONI IMBALLO  
PACKING DIMENSIONS



PUMPS'S MODEL	PUMPS'S DIMENSIONS mm					PACKING DIMENSIONS cm			WEIGHT kg	Quantity per pallet	
	A	L0	B	H0	DN	H	I	w		H	n°
DK BLACK-400 MA	244	84	450,5	74,5	2"	28	20,3	48,7	23	127	24
DK BLACK-480 MA	246	86	533	83	2"	29	22,8	56	25	127	24
DK BLACK-550 MA	250	90	537,5	84,5	2"	29	22,8	56	27	127	24
DK BLACK-550 T	250	90	537,5	84,5	2"	29	22,8	56	27,5	127	24

# Dratex

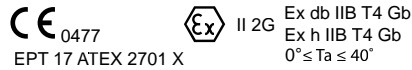
Submersible electropumps with Vortex impeller  
ATEX approved



### Application

The Alpha V PRO Series is ideal to pump residential sewage thanks to its small size and mechanical characteristics.

The pumps with can be used in potentially explosive environments,



### Characteristic

The main components are fabricated in cast iron GG20 In the standard configuration a lip seal is fitted to the motor side, and a mechanical seal to the impeller side.

### Motor range

- Squirrel cage motor in 2 poles version
- Thermal protection T1-T2 embedded in the winding, to be wired to the control panel
- Insulation class F 155°C
- Motor protection IP 68

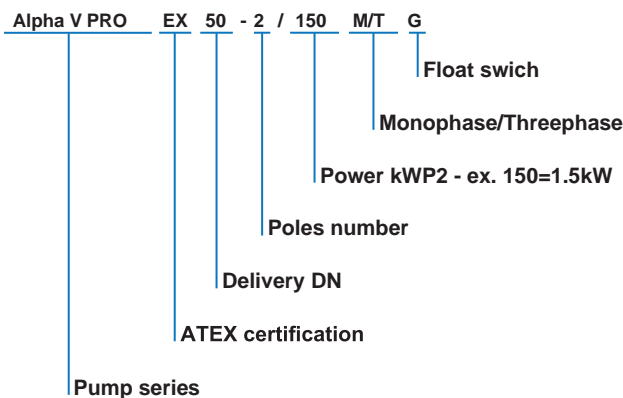
### Motor cooling

The cooling of the motor is ensured by the liquid where the pump is submerged

### Limits of use

- Max. permissible liquid temperature: 40°C with pump fully submerged
- On request, special version (excluded ATEX) to withstand liquid temperature up to 60°C with pump fully submerged, no S1 service
- Maximum depth of immersion: 20 mt
- Permissible pH value: 6-10
- Hydraulic features suitable for liquids with density <1,1 kg/dm<sup>3</sup>
- Allowed voltage: 230V/400V ±5%
- Allowed frequency: 50Hz ±2%

### Designation



### Technology and Features



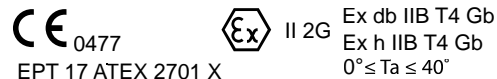
### Solids Handling

Full free passage of solids.



### Explosion proof pumps

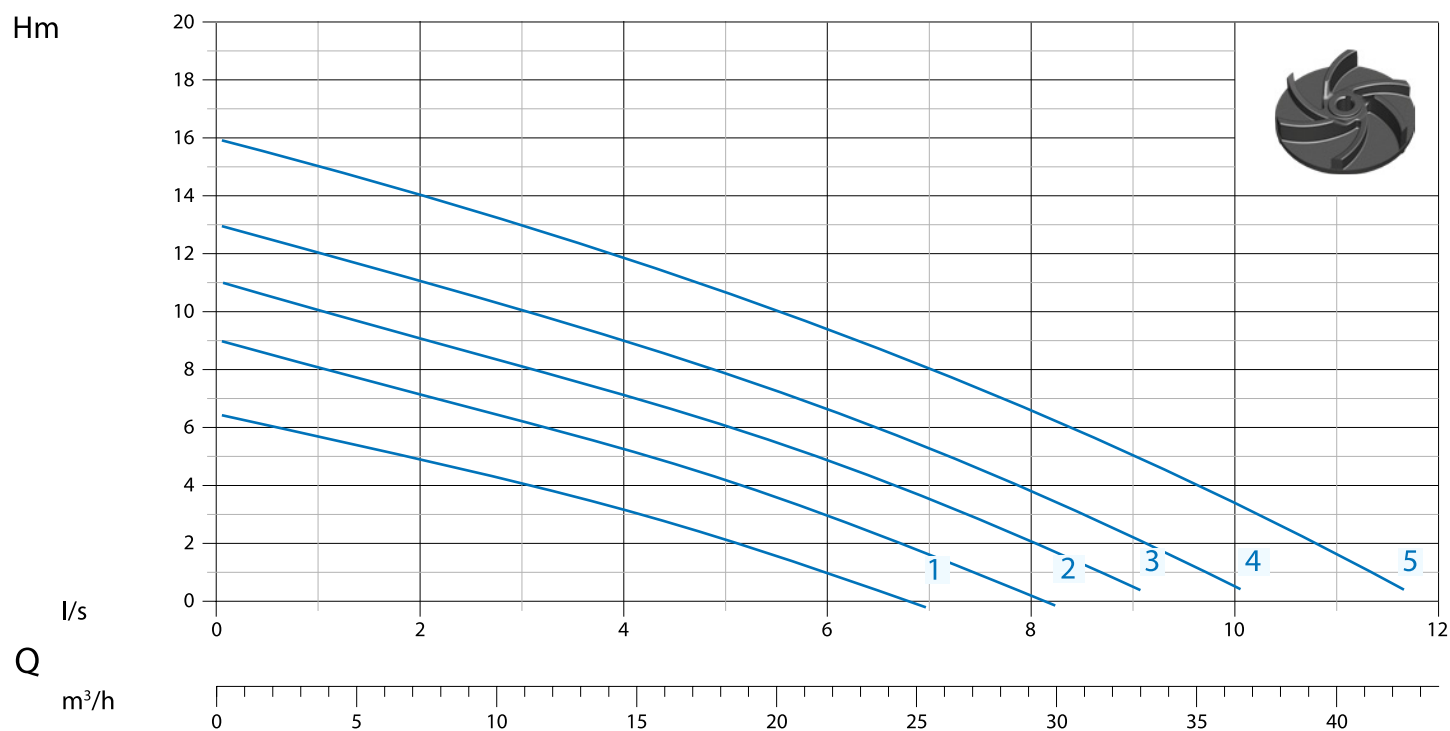
Pumps with explosion proof available on request.



### Cable gland

The cable gland is made of stainless steel AISI 316 and certified according to the norm ATEX EN 60079-0, EN 60079-1. Standard on all series.





Model	Price 230V	Price 400V	Rated power		I Max. [A]		Q = Capacity						
			Hp	kW P2	Single-phase 230V	Three-phase 400V	m³/h 3,6	7,2	10,8	18	25,2	36	39,6
							l/min 60	120	180	300	420	600	660
Total head in meters w.c.													
Dratex Pro 50 2/060	£ 1019	£ 955	0,8	0,6	4,8	2,1	7	6,5	5,5	3,5	1		
Dratex Pro 50 2/080	£ 1066	£ 1003	1	0,8	6	2,4	5,8	8,5	7,6	5,8	3		
Dratex Pro 50 2/110	£ 1161	£ 1129	1,5	1,1	7,4	2,7	11,5	10,5	9,5	7,5	5		
Dratex Pro 50 2/150	£ 1192	£ 1177	2	1,5	9,6	3,7	13,5	12,5	11,5	9,5	7	2	
Dratex Pro 50 2/220		£ 1208	3	2,2	0	5,2	16,5	15,5	14,5	12,5	9,5	5	3

Pumps's Model	Packing Dimensions Cm				WEIGHT kg			
	H		G					
					w	l	h	
Dratex Pro 50 2/060	388	292	2"	180	29	18,5	45	27
Dratex Pro 50 2/080	388	292	2"	180	29	18,5	45	27
Dratex Pro 50 2/110	388	292	2"	180	29	18,5	45	27
Dratex Pro 50 2/150	388	292	2"	180	29	18,5	45	27
Dratex Pro 50 2/220	388	292	2"	180	29	18,5	45	27

# FOR WASTE



Motor and features	
Electric motor	1.1Kw
Cable length	15m
Flow Rate	55.30 l/m
TotalH	100m
Motor speed	2900 rpm
Rated voltage	400v
Frequency 50 hz	50 hz
Rate motor current	25 A
Weight	25 Kg
Max start x h	30
Outlet	G 1 1/2
Price	£ 1110

## Application

A pump Intended for use In pressure sewerage

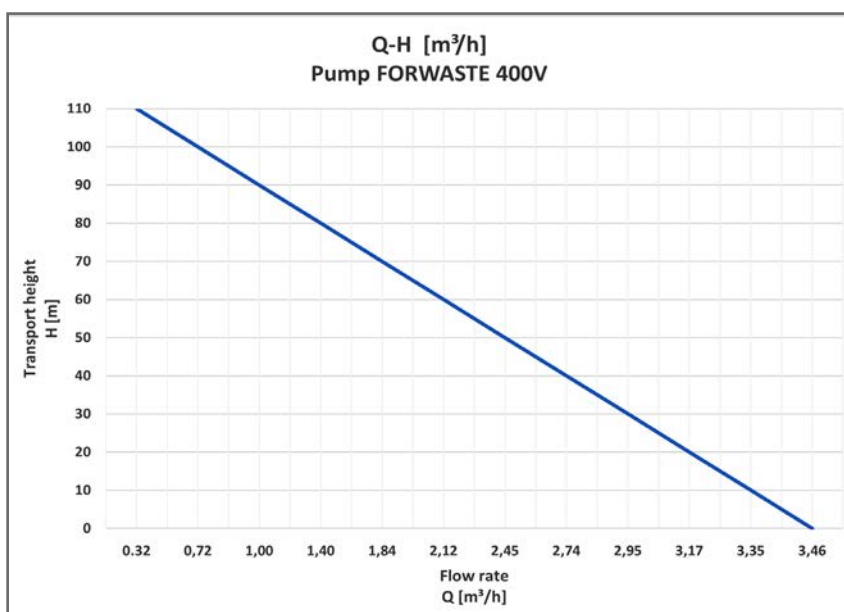
The pump excels In Its cutting capabllties thanks to the hardened cutting device.

HD cutting equipment has been developed for really demanding pumping conditions. The cutting knife is equipped with a sharp cutting disc for better efficiency when cutting long solid particles.. In addition, there Is a paddle on the disc to maintain the swirling function, preventing sludge from settling on the bottom of the sump and the formation of odours

The pump easily copes with most Impurities in the waste water (paper, leaves, napkins)  
The winding of the electric motor Is potted and has a higher Resistance to the aggressive environment.

The pump has a surface treatment with burnt varnish (komaxit) with a very long lifetime

Materiel: grey cast Iron. steel, stainless steel, plastic, rubber



# KT

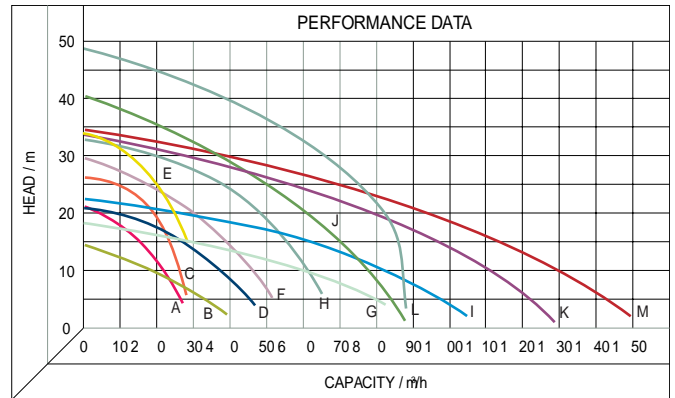


A compact, high performance submersible drainage pump with exceptional durability for handling abrasive liquids, widely used in general construction and civil engineering.

The KTS range of pumps are designed for continuous operation, and features a stainless steel outer casing, with cast iron inner casing, utilising a dynamically balanced high chrome steel impeller, and a double mechanical seal. Incorporating effective motor cooling due to the discharge channel cast as part of the motor housing, and hermetically sealed motor with built in thermal protection.

### Features

- Capacity: Up to 86.4m<sup>3</sup>/h
- Head: Up to 48.5m
- Discharge: 100mm (4")
- Power: 11kW
- Power Supply: Three Phase 400v
- Starting Method: Direct on line
- Insulation class: F
- Protection class: IP68
- Standard cable length: 15m
- Water temperature: up to 40°C
- Max. Water depth: 25m



Pump	Product code	Curve	Output		Discharge		MAX CAPACITY		FREE PASSAGE mm	Cable	Weight kg	Price
			Amp	kW	mm	inch	head m	capacity m <sup>3</sup> /h				
KTS 50 3.7	PO/KTS50-3.7	E /	7.7	3.7	50	2	32	36	8.5	15	58	£ 1581.48
KTS 80 5.5	PO/KTS80-5.5	H /	11.4	5.5	80	3	35	72	8.5	15	66	£ 1780.20
KTS 100 5.5	PO/KTS100-5.5	I /	11.4	5.5	100	3	23	105	8.5	15	67	£ 1780.20

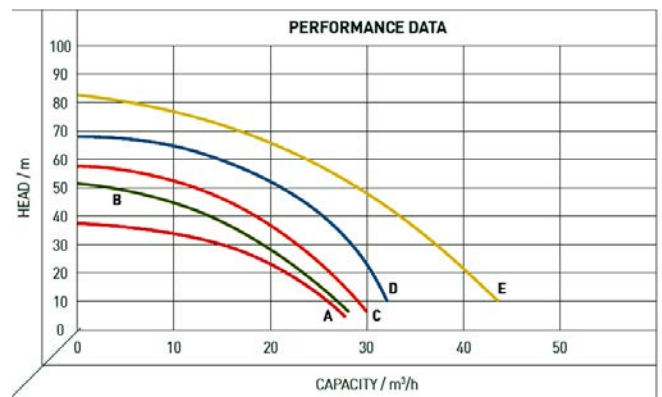
# KTH



Submersible pump featuring double mechanical seals and chrome plated shaft to ensure high corrosion and wear resistance. Hydraulic part under the motor and motor is cooled by the pumped water for safe operation, with pump only partially immersed. Suitable for dewatering and water transfer applications, as well as irrigation.

### Features

- Capacity: up to 90m<sup>3</sup>/h
- Head: up to 142m
- Power: 2.2kW (3HP) to 25kW (33.5HP)
- Power Supply: three phase 400V ±10%, 50Hz
- Insulation class: F
- Protection class: IP68
- Cable length: 15m
- Water temperature: up to 40°C
- Max. water depth: 20m



Type	Curve	Outlet mm	Motor Power		Rate Current A	Max Head m	max capacity m <sup>3</sup> /h	Free passage mm	Weight kg	Price
			kW	HP						
KTHS 50 (3) 15-5.5	D /	50	5.5	7.5	11.7	67	32	6	75	£ 2682.72

# G3

### Applications

For water supply from wells or reservoirs.  
For domestic use, for civil use, industrial applications and irrigation use.

### Motor and features

Asynchronous motor through waterflow cooling  
Double mechanical seal in oil bath  
Electric cable 1 mt  
External capacitor  
Outlet size: G1-1¼ inch  
Insulation Class F  
Internal Protection: IP68



### Operating limits

Max. fluid temperature up to +40°C  
Max. sand content: 0.25%  
Max. immersion: 80m  
Min. well diameter: 3,5"/4"

### Recommendations

Install the pump at least of 20 cm from the bottom of the well in order to avoid the suction of sand or mud.  
N.B. The check valve must be installed from 2 meters after outlet.

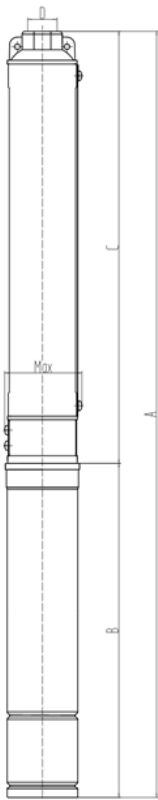
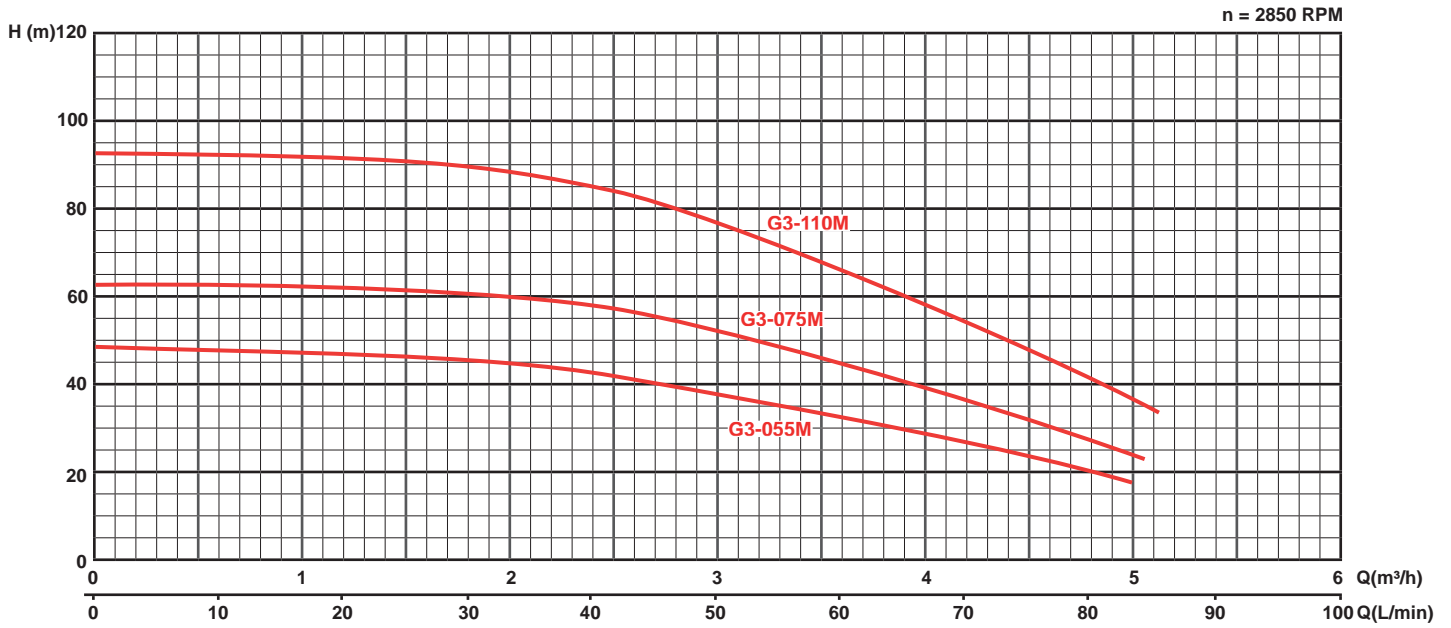
Component	Material
Pump external casing	AISI 304
Diffuser	Plastic PC
Impeller	Plastic POM
Mechanical seal	Ceramics/Graphite
Motor shaft	AISI 304
Outlet	Cast-Cu
Inlet	AISI 304
Bottom cover	AISI 304
Bearings	NSK



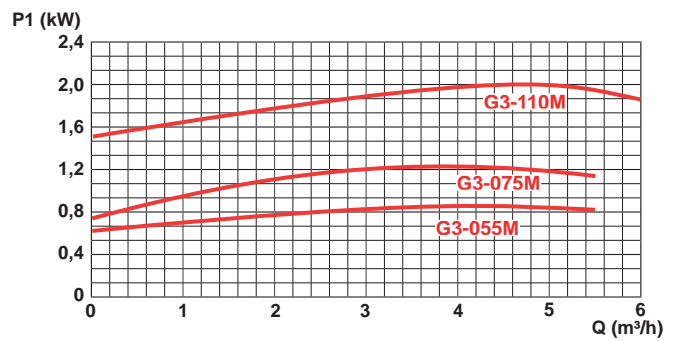
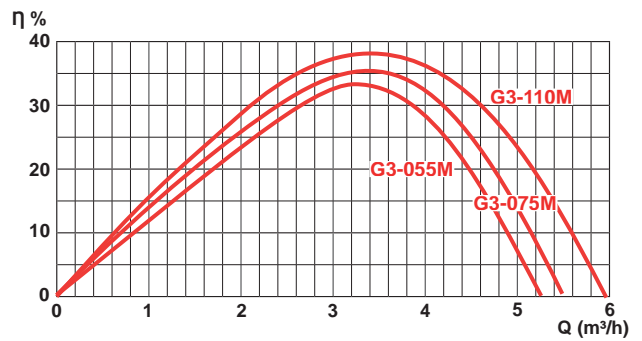
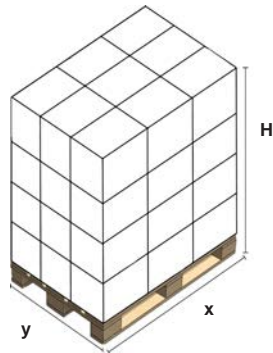
Control box with capacitor included

Model	Price	Rated power		I Max. [ A ]		Q =Capacity							
						m³/h	0	1	2	3	3,5	4	5
		Hp	kW P2	Single-phase 230V	Three-phase 400V	l/min	0	17	33	50	58	67	83
Total head in meters w.c.													
G3-055M	£ 534,3	0,75	0,55	4	/	H (m)	47	46	44	38	34	28	18
G3-075M	£ 590,04	1	0,75	5,4	/		63	62	59	51	45	37	24
G 3-110M	£ 685,08	1,5	1,1	8	/		94	93	89	76	68	56	36





PACKING DIMENSIONS



PUMPS'S MODEL	PUMPS'S DIMENSIONS mm					PACKING DIMENSIONS cm			WEIGHT	Quantity per pallet	
	A	B	C	D	Max	w	l	h	kg	H	n°
G3-055M	1042	399	643	G 1.25	Ø82	10	128	10	10	45	24
G3-075M	1219	439	780	G 1.25	Ø82	10	161	10	12	45	24
G3-110M	1581	499	1082	G 1.25	Ø82	10	217	10	14	45	24

# PCH



### Applications

Submersible pump set designed for pumping portable and service water with temperature up to 35°C and acidity from 6.5 to 12 pH out of wells and boreholes. It is used mainly for water distribution pipes for one-family houses, weekend houses, recreational centres, as well as for spray irrigation and watering gardens, parks, and sport-grounds, and so on.

### Branches

House and garden, water resources management, agriculture

### Materials

- Motor housing: Stainless steel
- Suction casing: cast iron with stainless steel
- Discharge casing: cast iron with stainless steel
- Rotor and shaft: Stainless and carbon steel
- Connecting rod and coupling: Stainless steel
- Stator: Steel and NR 'technical rubber' or EPDM

### Dimensions/Data

- Outside diameter: 96mm (3.78")
- Total height: 665mm (26.2")
- Discharge connection: G1"
- Max submersion under water: 30m
- Weight (without cable): 15kg
- Higher capacity models available



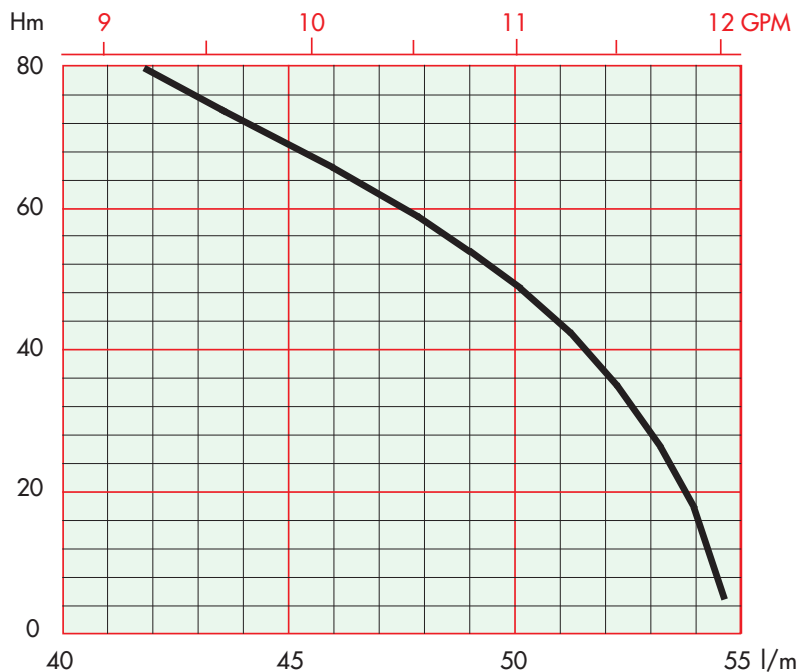
### Motor

- 415/3/50 (400V)
- Rated power: 1.1 kW
- Speed: 2860 rpm
- Current: 3.9 A



### Motor

- 230/1/50 (230V option)
- Rated power: 1.1 kW
- Speed: 2860 rpm
- Current: 8.A
- Special CBO
- 20 m Cable



Model	Price
ZDS motor 400 Volt 1,1 kW	£ 491
PCH complete Hydraulic	£ 316
PCH Rubber stator	£ 66
PCH complete shaft	£ 99
PCH 230V 1PH complete	£ 1260

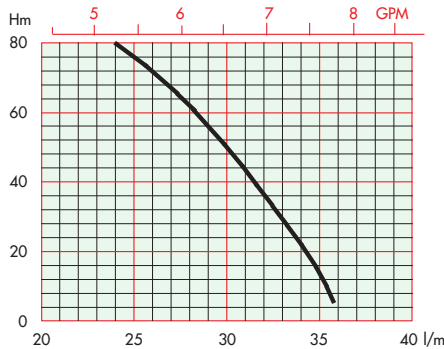
# PCH/Sigma

## Applications

Progressive cavity (helical rotor) pumps designed for 3" and 4" borehole applications, handling clean or dirty water with entrained solids up to a max. 8mm diameter. Suitable for deep well applications from depths of 8m and more, they handle pumped media temperatures up to 30°C with acidity ranging from 6.5 to 12 pH.



1" PCH 75 mm



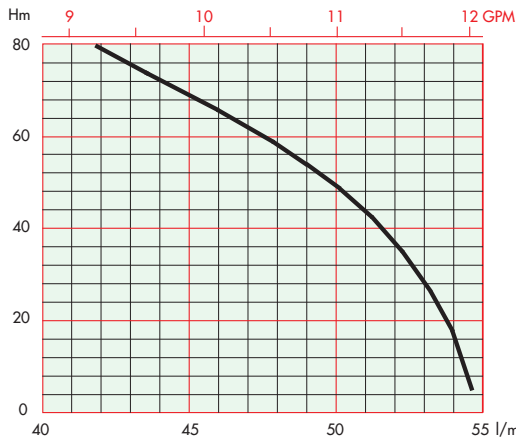
## Dimensions / Data / Motor

- Outside diameter: 72 mm
- Total height including motor: 720mm
- Discharge connection: G1"
- Max submersion under water: 30m
- Weight: 15 kg including cable
- Cable 1.5 m included with the pump
- Motor (included): 0.75 kW - 400V – 50Hz
- Max solid handle: 3mm

	price
Price of the complete unit (motor + hydraulic + cable)	£ 1223



1" EVFU 100 mm



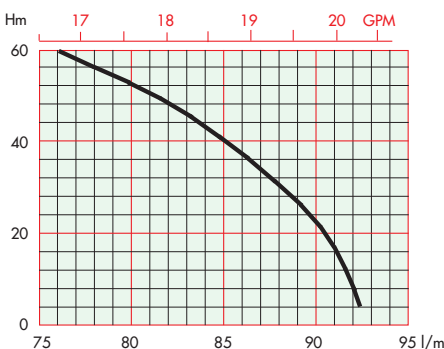
## Dimensions / Data / Motor

- Outside diameter: 96 mm
- Total height including motor: 665mm
- Discharge connection: G1"
- Max submersion under water: 30m
- Weight: 15 kg without cable
- Motor required: 1.5 kW - 400V – 50Hz
- Max solid handle: 8mm

Model	price
Franklin motor 400V 1,5 kW	£ 740
ZDS motor 400V 1,5 kW	£ 595
Sigma Hydraulic only	£ 352



1" ¼ PCH 100 mm



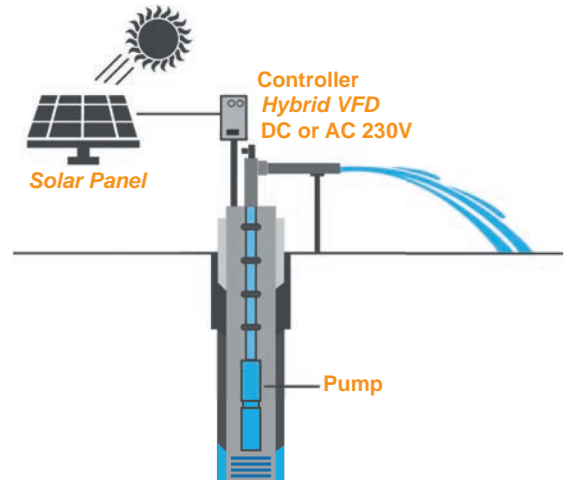
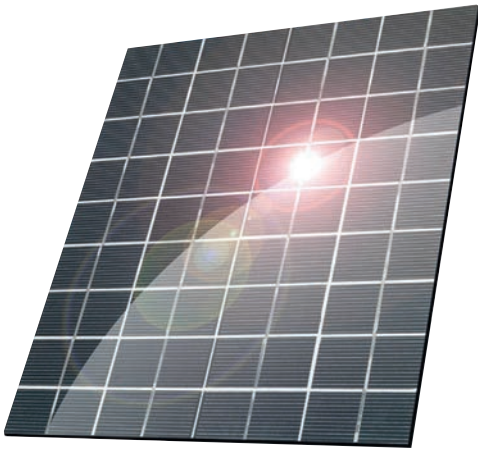
## Dimensions / Data / Motor

- Outside diameter: 96 mm
- Total height including motor: 820mm
- Discharge connection: G1" ¼
- Max submersion under water: 30m
- Weight: 20 kg without cable
- Motor required: 2.2 kW - 400V – 50Hz
- Max solid handle: 8mm

Model	price
Franklin motor 400V 2.2 kW	£ 908
ZDS motor 400 V 2.2 kW	£ 574
Sigma Hydraulic only	£ 469

# ECO 4

A Solar Solution for your irrigation

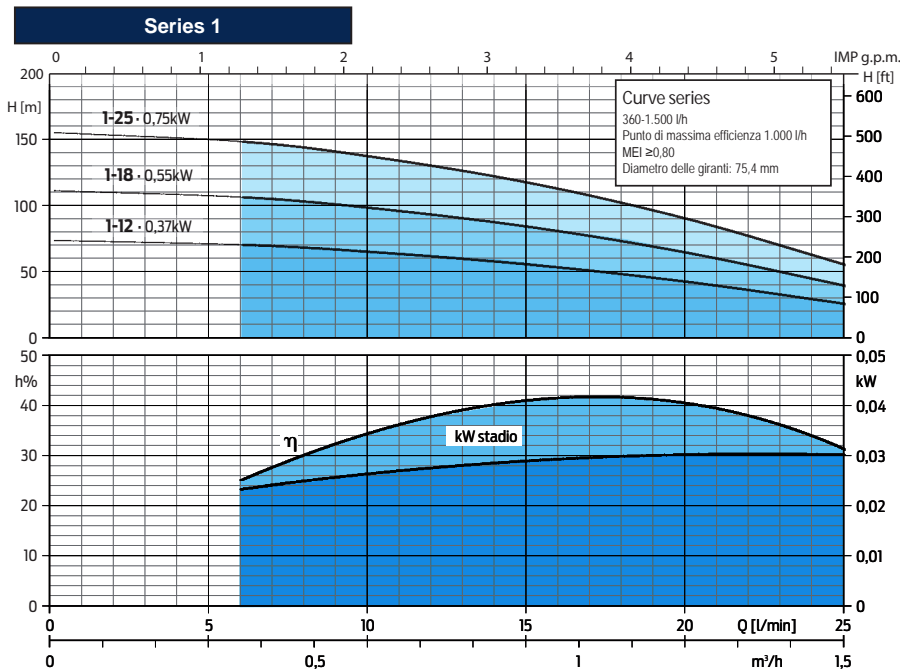


Peel submersible solar pumps are designed to provide reliable water pumping for a variety of applications. They can be used for wells, boreholes, water transfer, cattle & livestock watering and irrigation. Solar water pumps require no fuel and minimal maintenance. Peel Submersible solar pumps, thanks to their technology, are more tolerant to debris than traditional submersible pumps or surface pumps. These submersible pump kits are available as: the motor, hydraulic part and controller.

Component	Material
Motor	AISI 304
Upper Bearing	Graphite HT 204
Lower Bearing	Graphite HT 204
Pump Support	G 20 cat Iron
X Hydraulic	Inox
Impeller	Notyl +Stalcobs
Floating RWG	TPU
Filter	P.A 6.6
Pump Support	P.A 6.6

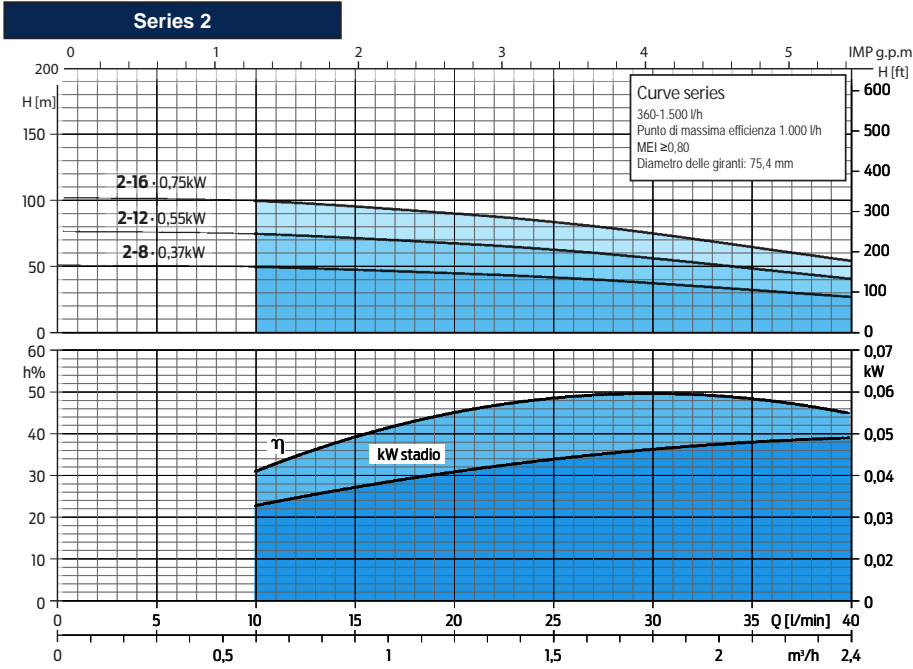
Model	Price
Controler solar	£ 2185,88
Submersible Motor 0.37 kW	110V £ 566,28
Submersible Motor 0.55 kW	110V £ 601,13
Submersible motor 0.75 kW	110V £ 635,98

## PERFORMANCES



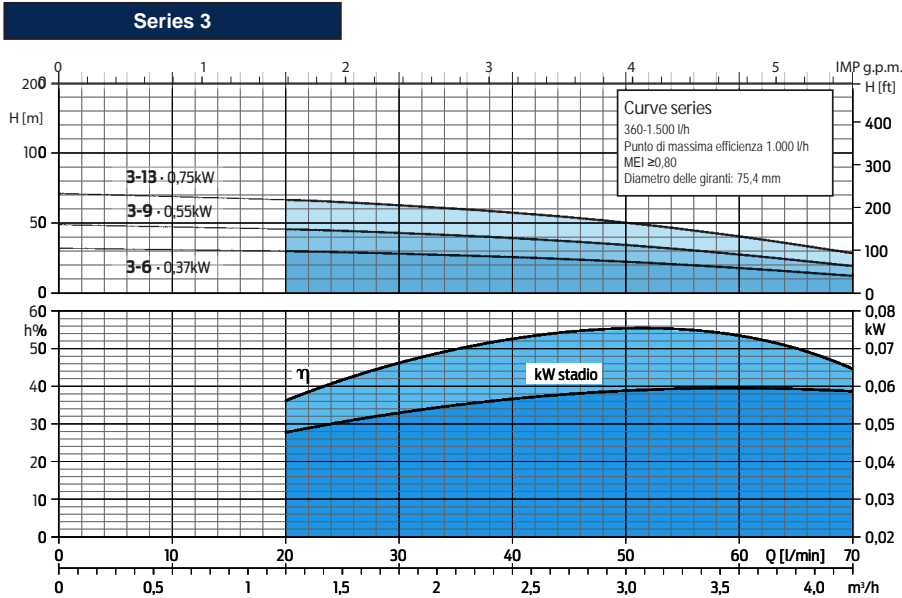
Model	Price
Complete Solution 1-12	£ 2941
Complete Solution 1-18	£ 3021
Complete Solution 1-25	£ 3109

Complete solution includes: motor, hydraulic and pump controller



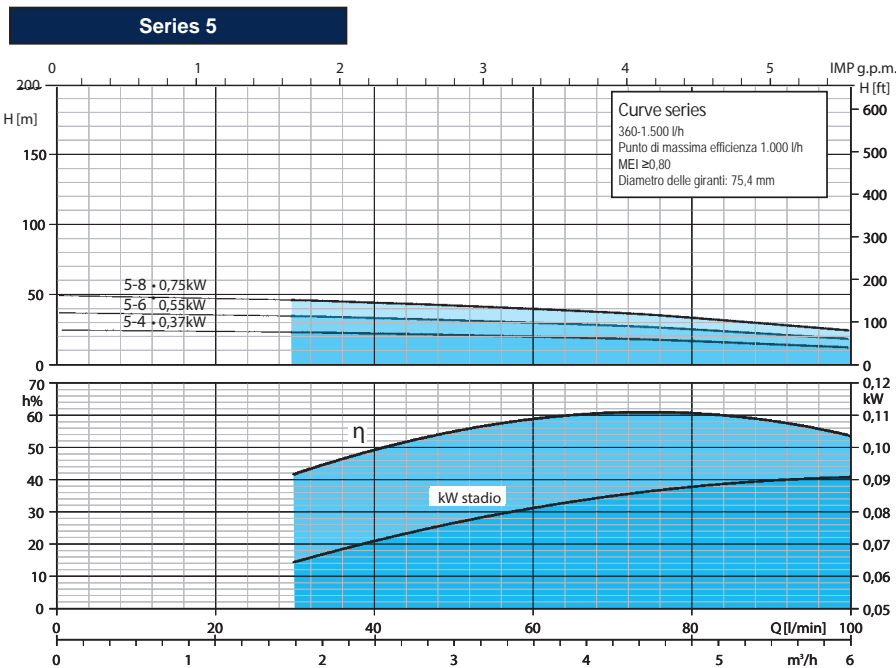
Model	Price
Complete Solution 2-8	£ 2906
Complete Solution 2-12	£ 2973
Complete Solution 2-16	£ 3033

Complete solution includes:  
motor, hydraulic and pump controller



Model	Price
Complete Solution 3-6	£ 2894
Complete Solution 3-9	£ 2955
Complete Solution 3-13	£ 3026

Complete solution includes:  
motor, hydraulic and pump controller



Model	Price
Complete Solution 5-4	£ 2877
Complete Solution 5-6	£ 2933
Complete Solution 5-8	£ 2986

Complete solution includes:  
motor, hydraulic and pump controller



# FK 6" - 8" - 10"



**Borehole pumps and motors available on request, please call 01706 558352  
or write to sales@peelpumps.co.uk**

**we can use our experience to select the correct pump for your application, cable length and specific controllers can be added**

# FK 4" High Flow

Franklin Electric

## SUBMERSIBLE BOREHOLE PUMPS

VS4 SUBMERSIBLE PUMP



### FEATURES & BENEFITS

- Compact, reliable and suited to operate in horizontal or vertical position
- Designed to operate efficiently with submersible motors/ NEMA Standard motor adapter
- Hydraulic design enhances overall efficiency thus reducing energy consumption and making the pumping systems more cost effective
- Built-in check valve to protect the pump against water hammer risk
- Floating impellers to grant a better performance and longer life for the pump against abrasion
- Suitable for chemically and mechanically non aggressive liquids

### STANDARD SPECIFICATION

- Models: VS1-2-3-4-6-7-8-10-15
- Flow: up to 24 m<sup>3</sup> h (SOHz)
- Head: up to 278 m (SOHz)
- Outlet diameter:  
2" for VS 6-7-8-10-15
- Water temperature range: from 0 °C to 40 °C
- Maximum allowable amount of sand: 100 g/m<sup>3</sup>. Max. solid size: 2 mm
- Rotation: counter clockwise when looking into the discharge



### OPTIONS

- Cooling shroud



### VS 15 Hydraulic Performance at 50 Hz

Pump model	RATED POWER		Q = DELIVERY												Price	
			m <sup>3</sup> /h 0	10	11	12	13	14.5	15	16	17	18	19	24		
			l/min 0	167	183	200	217	242	250	267	283	300	317	400		
		US GPM 0	44.1	48.3	52.8	57.3	63.9	66	70.5	74.8	79.3	83.7	105.7			
		H = TOTAL METERS HEAD OF WATER COLUMN [m]														
		[kW]	[HP]	58	43	41	40	38	30	34	33	30	29	27	13	£ 439
VS 15/10	3	4	58	43	41	40	38	30	34	33	30	29	27	13	£ 439	
VS 15/12	4	5.5	69	52	50	48	45	42	41	39	37	35	32	15	£ 501	
VS 15/16	5.5	7.5	92	69	66	63	60	56	55	52	49	46	43	20	£ 658	
VS 15/21	7.5	10	121	91	87	84	80	74	72	68	64	60	56	27	£ 907	

# JET

## Applications

Self-priming electric pump ideal for water supply in domestic and gardening applications.



## Motor and features

Closed self-ventilated motor TEFC  
 Insulation class F  
 Protection degree IP55  
 Electrical supply single-phase in 230-50Hz with thermal protection.

Component	Material
Pump's body	Cast Iron HT200
Impeller	Brass (Mod. JET-150 in PPO)
Motor shaft	AISI 304
Mechanical seal	Ceramic & Graphite
Motor housing	Alluminum L-2521

## Operating conditions

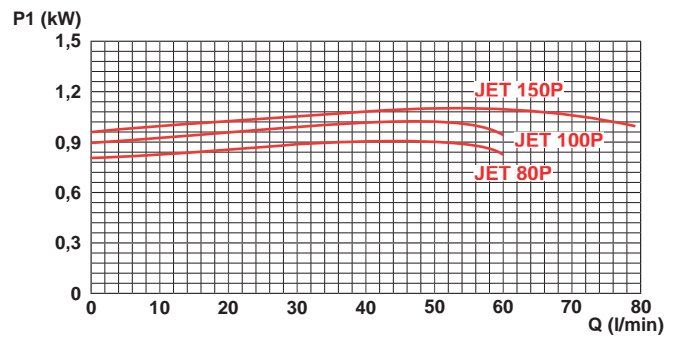
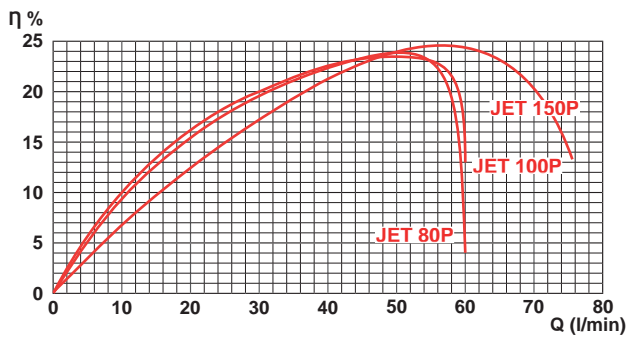
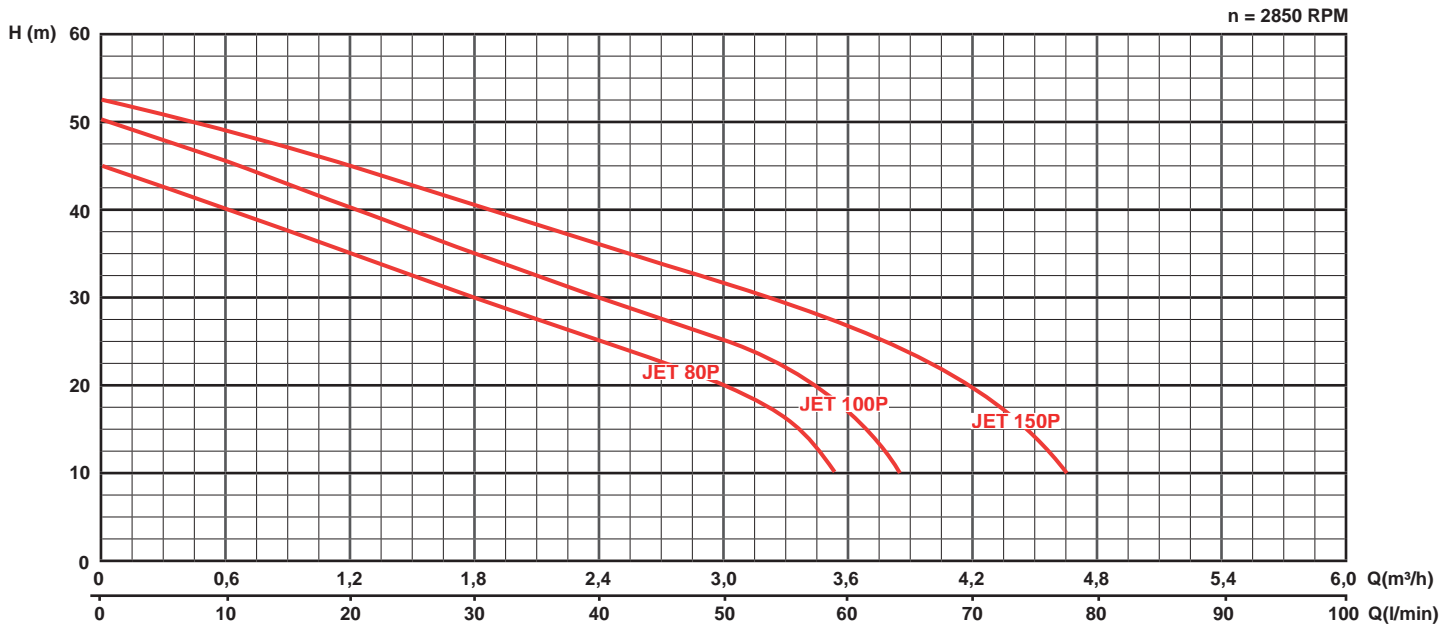
Max. ambient temperature 40°C  
 Max. water temperature 60°C  
 Max. working pressure 8 bar  
 Max. self-priming 8 meters  
 Liquid condition: clean liquids, without solids or abrasive substances, non-aggressive, non-viscous, chemically neutral.

## Recommendations

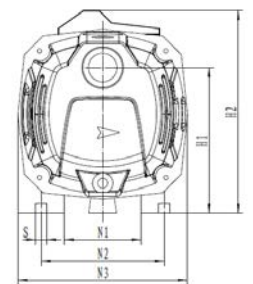
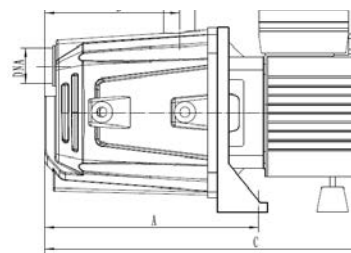
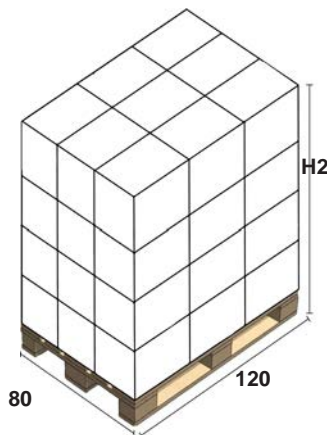
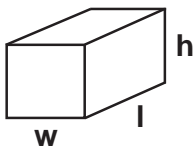
For the proper use of the pump we recommend to install a check valve, to not reduce the pipe size according suction diameter of the pump, to fill the pump body with clear water and tight all screws on it. The short wires come out from terminal box are not suitable for electrical connection but only used from assembly line for testing.

Model	Price	Rated power		I Max. [ A ]	Q = Capacity								
		Hp	kW P2		Single-phase 230V	m³/h	0	0,6	1,2	1,8	2,4	3	3,6
				l/min		0	10	20	30	40	50	60	70
JET-80P	£ 253,44	0,8	0,60	4,1	Total head in meters w.c.								
JET-100P	£ 267,3	1	0,75	4,7	H (m)	45	40	35	30	25	20	6	
JET-150P	£ 291,06	1,2	0,92	5,1		50	46	40	35	30	25	15	
						52	49	45	41	36	31	26	20

For input power P1 please check the curve on the next page



PACKING DIMENSIONS



PUMPS'S MODEL	PUMPS'S DIMENSIONS mm											PACKING DIMENSIONS cm			WEIGHT kg	Quantity per pallet	
	A	B	C	H1	H2	N1	N2	N3	S	DNA	DNM	w	l	h	kg	H2	n°
JET-80P	236	145	425	157	210	98	143	180	9	1"	1"	22	46	24	14,5	111	28
JET-100P	236	145	425	157	210	98	143	180	9	1"	1"	22	46	24	15,0	111	28
JET-150P	236	145	425	157	240	98	143	180	9	1"	1"	24	49	25	16,7	115	28

# MULTISTAGE INOX 25P/35P



### Motor and features

Closed self-ventilated motor TEFC  
 Insulation class F  
 Protection degree IP55  
 Electrical supply single-phase in 230-50Hz with thermal protection or three-phase in 230/400V-50Hz.

### Applications

Multistage centrifugal self-priming electric pump with INOX impellers. Quiet running with high performances deal for water supply in domestic and garden applications. Available in 3, 4 and 5 impellers with motor in single- phase, three-phase and three-phase 230V.

### Operating conditions

Max. ambient temperature 40°C  
 Max. water temperature 60°C  
 Max. Working pressure 8 bar  
 Liquid condition: clean liquids, without solids or abrasive substances, non-aggressive, non-viscous, chemically neutral.

Component	Material
Pump's body	AISI 304
Impeller	AISI 304
Motor shaft	AISI 420
Mechanical seal	Ceramic & Graphite
Motor housing	Alluminum L-2521

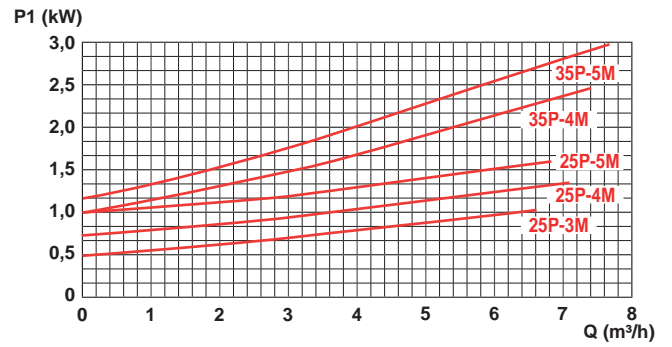
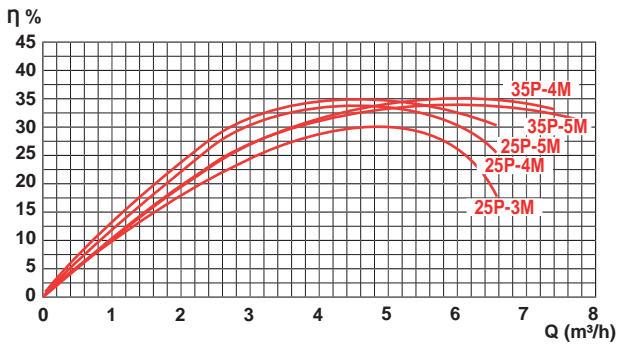
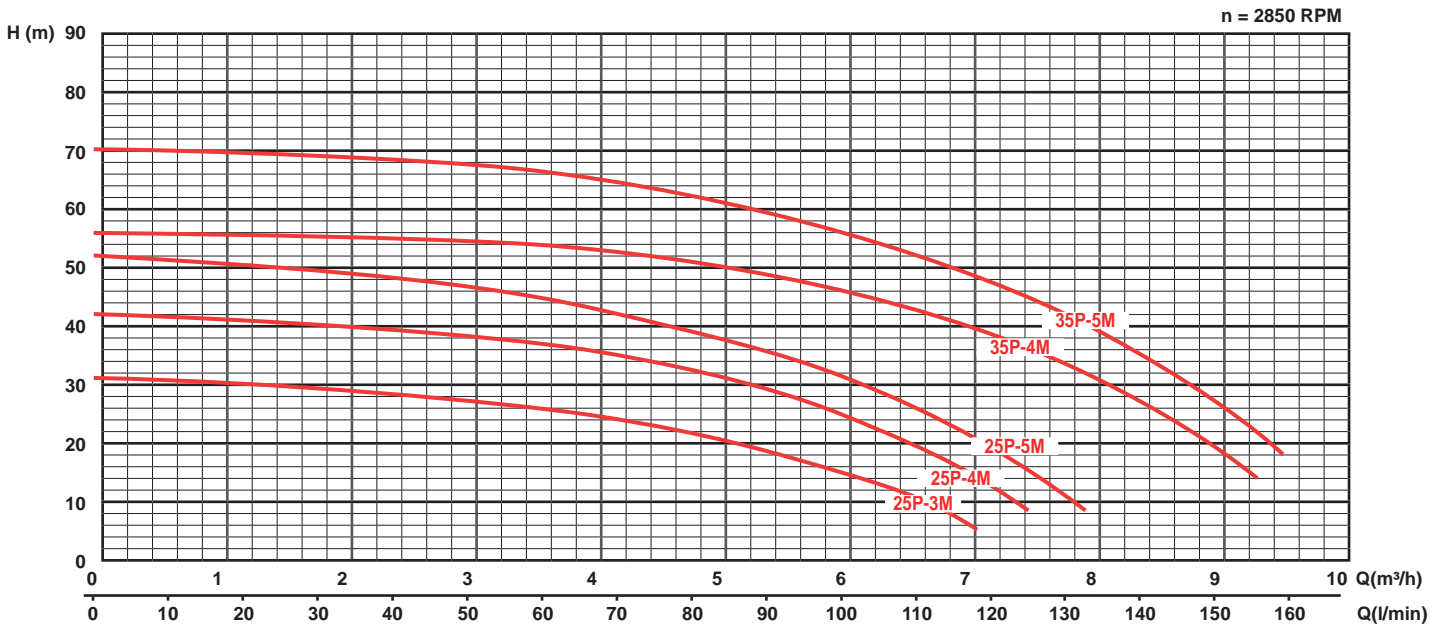
### Recommendations

For the proper use of the pump we recommend to install a check valve, not reduce the pipe size according suction diameter of the pump and fill the pump body with water.  
 For suction pipe more than 3 or 4 meters we recommend to use higher diameter's pipe than the inlet.

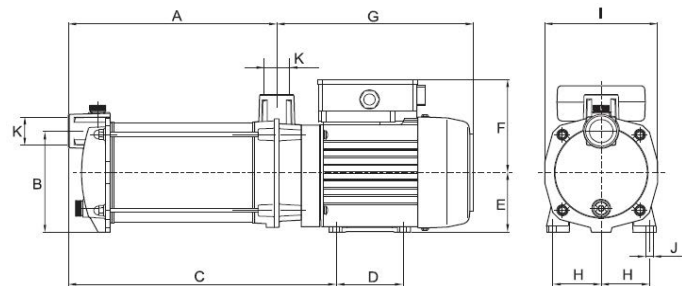
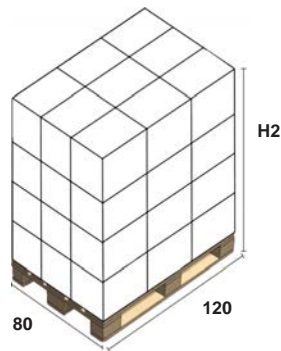
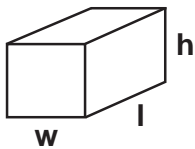
Model		Price	Rated power		I Max. [A]		Q = Capacity											
			Hp	kW P2	Single-phase 230V	Three-phase 400V	m³/h	0	1,2	2,4	3,6	4,8	6	7,2	8,4	9,6		
Single-phase 230V	Three-phase 400V							l/min	0	20	40	60	80	100	120	140	160	
								Total head in meters w.c.										
MULTISTAGE INOX 25P-3M	/	£ 350.46	1	0,75	4,9	/	H (m)	31	30	29	26	22	15					
MULTISTAGE INOX 25P-4M	MULTISTAGE INOX 25P-4T	£ 382.14	1,2	0,92	6	/		42	41	40	36,5	33	25	12				
MULTISTAGE INOX 25P-5M	MULTISTAGE INOX 25P-5T	£ 431.64	1,5	1,1	7,4	2,7		52	51	48	44	39	31	20				
/	MULTISTAGE INOX 35P-4T	£ 530.64	2,4	1,8	/	4		70	56	55	54	51	46	38	27	9		
/	MULTISTAGE INOX 35P-5T	£ 607,85	3	2,2	/	4,8		82	59	68	66	62	56	48	35	17		

For input power P1 please check the curve on the next page





PACKING DIMENSIONS



PUMPS'S MODEL	PUMPS'S DIMENSIONS mm											PACKING DIMENSIONS cm			WEIGHT	Quantity per pallet	
	A	B	C	D	E	F	G	H	I	J	K	w	l	h	kg	H2	n°
MULTISTAGE INOX 25P-3	202	130	252	82	71	115	230	59	140	8	1"	19	48	26	12,6	119	32
MULTISTAGE INOX 25P-4	228,5	130	279	82	71	115	230	59	140	8	1"	19	49,5	26	14	119	32
MULTISTAGE INOX 25P-5	276	130	328	82	71	115	251	59	140	8	1"	19	54	26	17	119	32
MULTISTAGE INOX 35P-4	262	145	290	18	90	105	275	60	160	11	1¼"	21	58	26	23	119	32
MULTISTAGE INOX 35P-5	289,5	145	337,5	18	90	105	296	60	160	11	1¼"	21	58	26	25	119	32

# WIN PRESS



Self-priming multistage electric pump with PPO impellers with 24l pressure tank

### Motor and features

Closed self-ventilated motor TEFC  
 Insulation class F  
 Protection degree IP55  
 Electrical supply single-phase in 230-50Hz with thermal protection or three-phase in 400V-50Hz.

### Operating conditions

Max. ambient temperature 35°C  
 Max. water temperature 35°C  
 Max. Working pressure 8 bar  
 Liquid condition: clean liquids, without solids or abrasive substances, non-aggressive, non-viscous, chemically neutral.

### Recommendations

For the properly use of the pump we recommend to install a check valve, not reduce the pipe size according suction diameter of the pump and fill the pump body with water. For suction pipe more than 3 or 4 meters we recommend to use higher diameter's pipe than the inlet.

Model	Price	Rated power		I Max. [ A ]			Q =Capacity					
							m³/h	0	1.2	2.4	3.6	4.8
		Hp	kW P2	Single phase 230V	Three phase 230V	Three phase 400V	l/min	0	20	40	60	80
EVEN INOX 50-3M	£ 594,64	0,75	0,55	3,9	/	/	H (m)	42	40	35	27	16
EVEN INOX 50-4M	£ 614,57	1	0,75	5,3	3.2	1.9		57	54	47	37	22
EVEN INOX 50-5M	£ 651,11	1,5	1	6.3	4.5	2.6		72	68	59	44	25



**Pressure booster system available on request, please call 01706 558352**  
**or write to sales@peelpumps.co.uk**  
*we can use our experience to select the correct pump for your application*

# GM



### Application

Selfpriming water pumps with open impeller that can be extracted directly from the inspection hatch. The check valve inside the suction outlet avoids the syphon effect when stopping and assures the automatic re-start each time. The pump selfprimes even if partially filled and if the suction hose is completely empty. Suitable to drain clean with solids in suspension and in flood irrigation systems.

### Operating Conditions

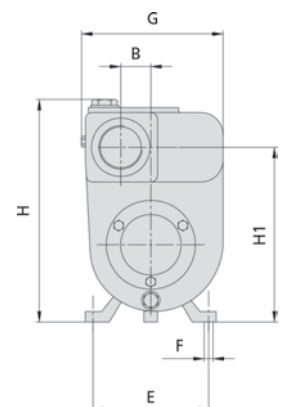
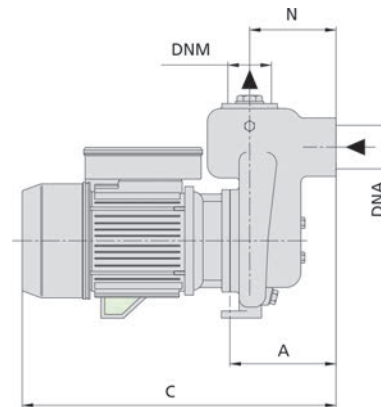
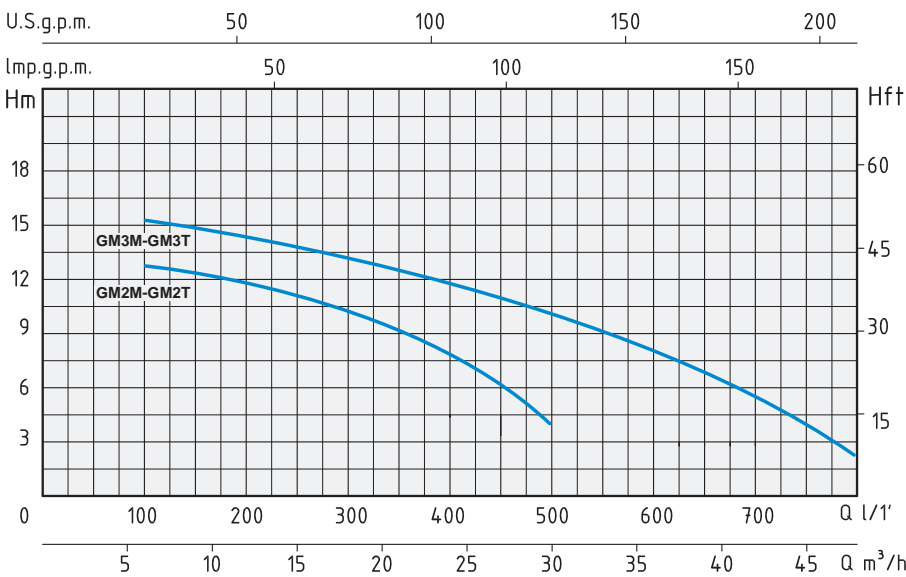
- Liquid temperature up to 35°C (for home use according to EN 6035-2-41)
- Temperature max. liquid: 90°C (for other uses)
- Ambient temperature up to 40°C- Total suction lift up to 8 mt.- Grain size inlet Ø 22 mm (50-1,5)
- Grain size inlet Ø 32 mm (80-2,2)- Continuous duty

### Materials

- Pump body Cast Iron
- Motor Support Cast Iron
- Impeller Cast Iron
- Shaft with motor Stainless Steel AISI 304
- Mechanical seal Ceramic/Graphite/NBR



Type		Price	Nominal Power		Input Power	Ampere		Q = Capacity									
Single-phase	Three-phase		P2		P1	Single Phase	Three Phase	m³/h	6	12	18	24	30	36	42	48	
		HP	kW	kW	lt/1'1			100	200	300	400	500	600	700	800	Total head in meters w.c.	
GM2M	GM2T	£ 954,5	2	1,5	2	9,3	3,3	H	12,9	11,2	9,8	7,6	4,2				
GM3M	GM3T	£ 1207,5	3	2,2	2,7	12	5,7	(m)	15,5	14,5	13,2	11,9	10,4	8,4	5,8	2	



Type		Dimensions mm											Weight
Single-phase	Three-phase	A	B	C	E	F	G	H	H1	N	DNA	DNM	Kg
GM2M	GM2T	133	45	420	174	13	207	310	215	115	2"	2"	30
GM3M	GM3T	142	65	470	162	13	245	315	215	125	3"	3"	36.5

# GMP

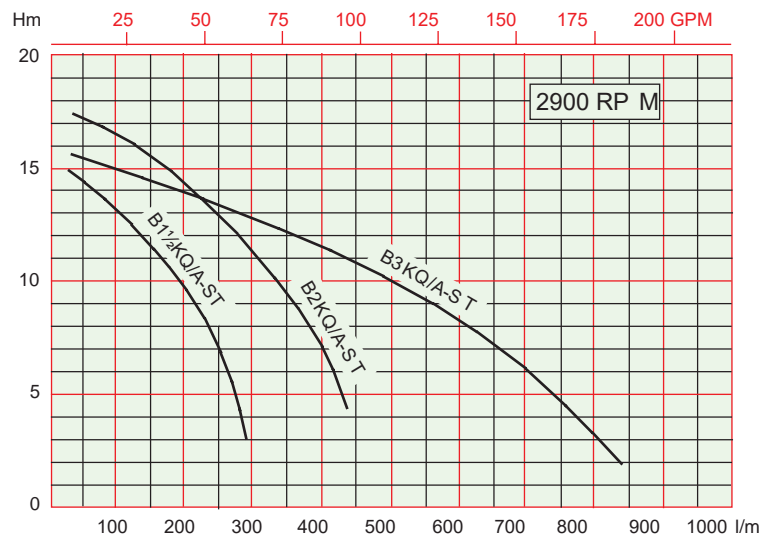
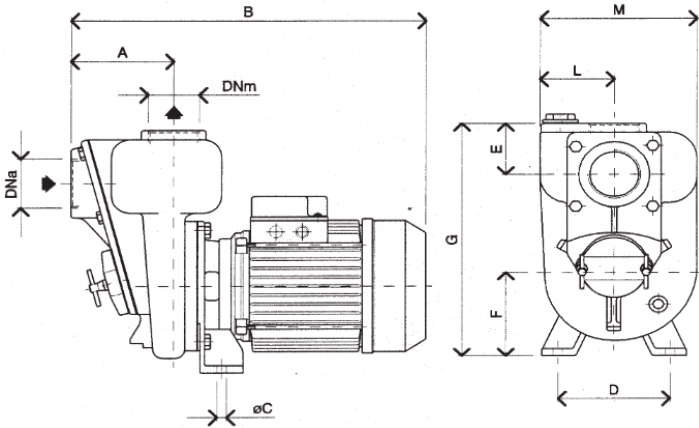


Available in 230/1/50 and 400/3/50 models, these pumps have a special three blade impeller designed for arduous dirty water and sewage type applications.

These 'Semi-Trash' pumps feature high specification mechanical seals and stainless steel wear discs.

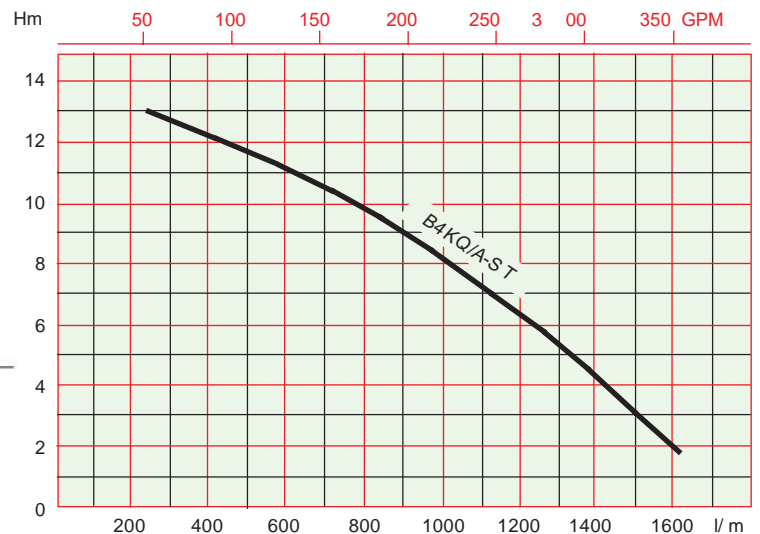
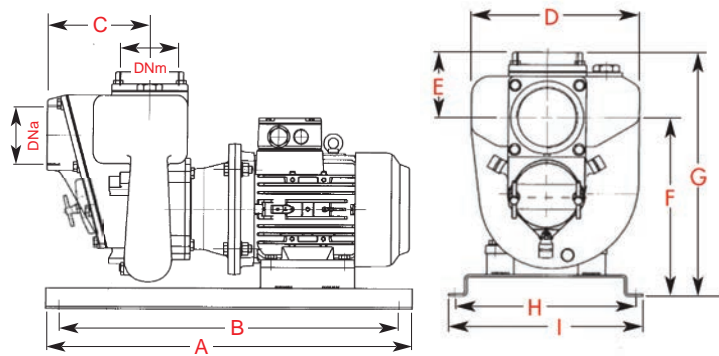
A quick access inspection door under the suction valve facilitates checking and removal of any clogging material.

An additional 4"/5.5HP model, not illustrated, is also available. It has a closed valve head of 14m and a max. flow of 2000 l/m.



SOLIDS HANDLING  
B1 1/2 = 12MM  
B2 = 14MM  
B3 = 26MM

Model	Nominal		Nom Amp		DIMENSIONS mm											Weight kg	230v Price	400v Price
	kW	HP	1~	3~	DN	A	B	diaC	D	E	F	G	L	M				
B1 1/2 KQ/A-ST	0.75	1.0	6.2	1.8	1 1/2"	104	375	11	132	56	106	300	80	178	20	£ 969	£ 937	
B2 KQ/A-ST	1.50	2.0	9	4	2"	122	410	11	132	64	106	300	87	184	24	£ 1238	£ 1207	
B3 KQ/A-ST	2.20	3.0	13	5	3"	147	445	11	132	67	106	300	88	184	29	£ 1485	£ 1459	



SOLIDS HANDLING  
B1 1/2 = 12MM  
B2 = 14MM  
B3 = 26MM

Model	Nominal			DN	DIMENSIONS mm										Weight kg	400v Price
	kW	HP	Amp		A	B	C	D	E	F	G	H	I			
B4 KQ/A-ST	4.0	5.5	9.0	4"	700	650	195	315	120	335	455	335	360	74.5	£ 3801	

# PEEL PUMPS PORTAL

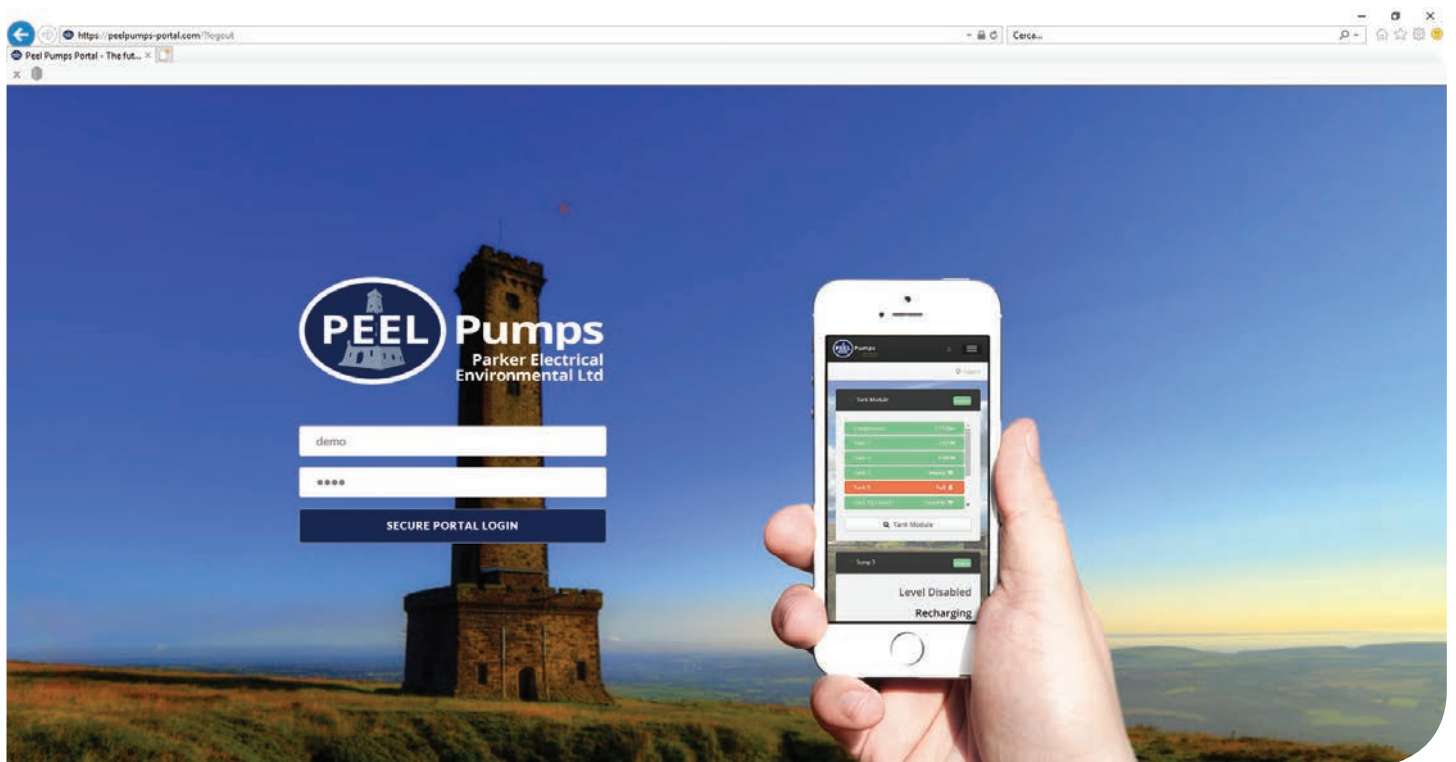
Please go to

[www.peelpumps-portal.com](http://www.peelpumps-portal.com)

and look at our demo site to interact with the different controllers offered in this brochure

Login: Demo

Password: Demo





# DOMINO-UP 0.37 kW - 7.5 kW



## DOMINO-UP SERIES

Main switch with door interlock  
 Protection fuses  
 AUTO-0-MAN buttons (manual temporary)  
 LED auto operation, motor operating

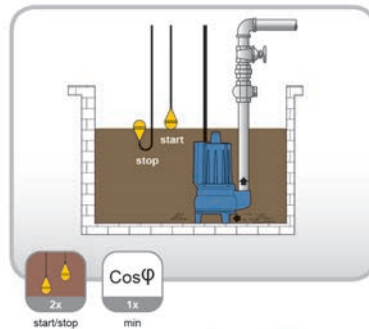
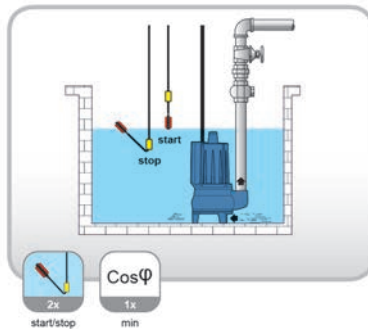
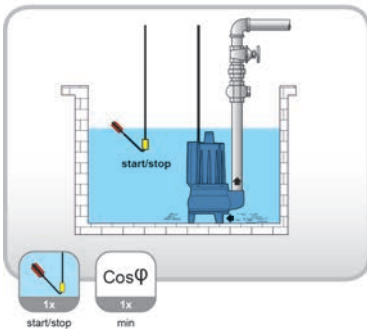
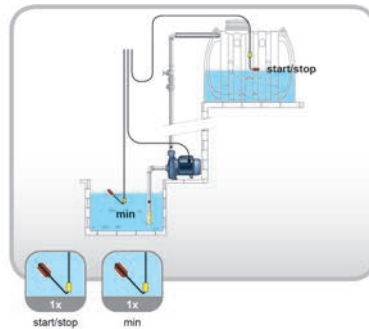
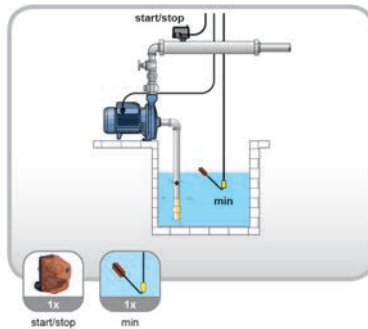
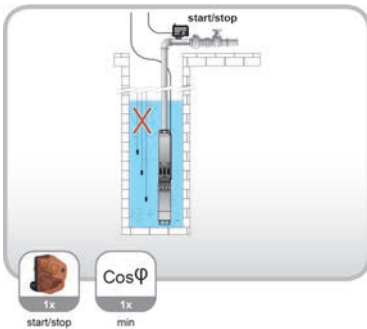
1 input multi-contact float/pressure switch (NO)  
 Output: Relay(single ph.)/Contactor(three ph.)  
 Adjustable motor overload protection  
 Provision for start-up capacitors  
 Dry running protection from minimum current or  $\cos\phi$   
 Self-learning of motor data

Multifunction display with command keys  
 Visualization: voltage/motor current/ $\cos\phi$ /alarms  
 Automatic restoration from dry running  
 Push-buttons for protection restoration  
 Motor protection for wrong phase sequence

**Electronic panel** for direct start-up of 1 single or three phase motor with  $\cos\phi$  control and minimum current

indicative photos

## STANDARD APPLICATIONS



Control panel for n.1 motor

V	V Cod.	Model	Price	Power	Current						
50/60 Hz				kW	Hp	Nx [range] A	H mm	L mm	W mm	kg	box
1-230v	101.15	DOMINO-UP-M/3	£ 286	0,37÷2,2	0,5÷3	1x [2÷16]	340	240	170	2	ABS
3~400V	101.18	DOMINO-UP-T/10	£ 312	0,55÷7,5	0,75÷10	1x [2÷15]	340	240	170	2	ABS



**Single Pressure control for single-phase and three-phase motor pumps**

Archimede is a new revolutionary concept of Pump Inverter for single-phase or three-phase pumps.

This Inverter is suitable for all types of pumps because the operation of Archimede does not depend on the water flow, but its due to a perfect pump control thanks to the automatic measurement of the working curve of the pump, during the initial self-regulation check, and an accurate pressure control transducer.

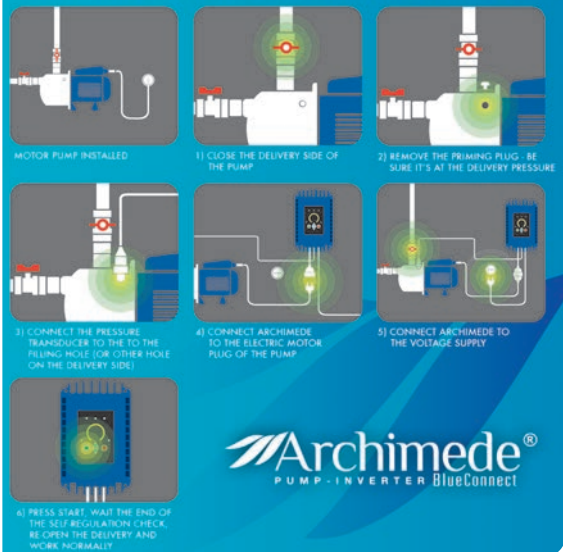
This advanced system guarantees a substantial energy saving, up to 40% on respect to the standard on-off traditional systems, especially in conditions of medium flow, the most common use of the pump, as well as various security functions that are not possible in traditional applications.

Archimede replaces all traditional systems such as pressure switch or flow switch and big tank are no longer necessary. Soft starts guarantee a low current absorption, a long-lasting of the mechanical and electric parts of the pumps, silent working and an absence of water hammer.

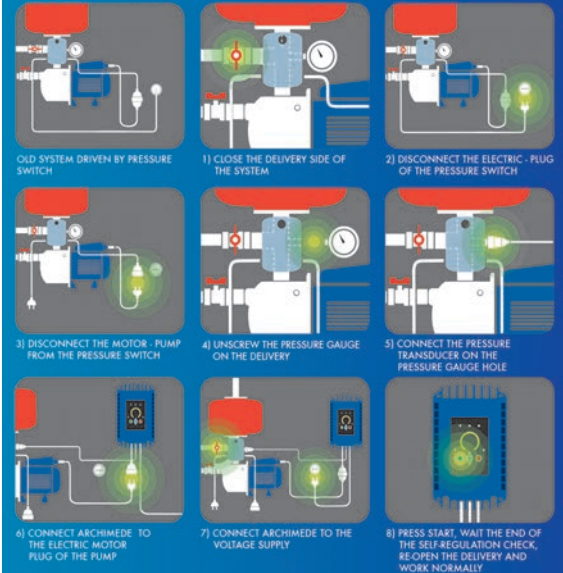
**Main features:**

- Minimum flow protection
- Dry working protection
- Over-voltage Inverter protection
- Over-current Motor protection
- Maximum Motor speed setting + /-10% than rated value
- Vertical wall fixing with four holes 7 mm diameter
- Quick motor connection
- Quick voltage supply connection with electrical plug
- Stainless steel Pressure transducer IP67 - 1/1" GAS cable with MB connector
- Rugged frame, with high protection grade
- Blue Connect series with automatic wireless radio connection

**INSTALLATION IN A NEW GENERATION WATERWORKS SYSTEM:**



**INSTALLATION IN A TRADITIONAL SYSTEM WITH PUMP DRIVEN BY A PRESSURE SWITCH:**



**IMMP1.1W** Single-Phase Input 230V, for Single-Phase Pump 230V-50Hz, 1.1kW (1.5Hp), 9 Ampere, 10 Bar, IP65

**ITTP1.5W-BC** Three-Phase Input 400V, for Three-Phase Pump 3x400V-50Hz, 1.5kW (2Hp), 4 Ampere, 10 Bar, Blue Connect wireless communication System, IP65

**IMMP1.5W** Single-Phase Input 230V, for Three-Phase Pump 230V-50Hz, 1.5kW (2Hp), 11 Ampere, 10 Bar, servo-ventilation, IP55

**IMTP1.5W** Single-Phase Input 230V, for Three-Phase Pump 3x230V-50Hz, 1.5kW (2Hp), 7 Ampere, 10 Bar, servo-ventilation, IP55



**IMMP1.8W-BC** Single-Phase Input 1x(100-244)V, for Single-Phase Pump 1x(100-244)V, 50/60Hz, 1.8kW (2.5Hp), 13 Ampere, 16 Bar, Display LCD 16x2, servo-ventilation, Blue Connect wireless communication System, IP55

**IMTP2.2W-BC** Single-Phase Input 1x(100-244)V, for Three-Phase Pump 3x(100-244)V, 50/60Hz, 2.2kW (3Hp), 9.5 Ampere, 16 Bar, Display LCD 16x2, servo-ventilation, Blue Connect wireless communication System, IP55

**ITTP2.2W-BC** Three-Phase Input 3x(200-440)V, for Three-Phase Pump 3x(200-440)V, 50/60Hz, 2.2kW (3Hp), 5.5 Ampere, 16 Bar, Display LCD 16x2, servo-ventilation, Blue Connect wireless communication System, IP55

**ITTP3.0W-BC** Three-Phase Input 3x(200-440)V, for Three-Phase Pump 3x(200-440)V, 50/60Hz, 3kW (4Hp), 7.5 Ampere, 16 Bar, Display LCD 16x2, servo-ventilation (internal and external), Blue Connect wireless communication System, IP55

Model	Price	Model	Price
Archimede IMMP 1,1W	£ 504	Archimede IMMP 1,8W - BC	£ 770
Archimede ITTP 1,5w bc	£ 812	Archimede IMTP 2,2W-BC	£ 840
Archimede IMMP 1,5W	£ 644	Archimede ITTP 2,2W-BC	£ 980
Archimede IMTP 1,5W	£ 658	Archimede ITTP 3,0W-BC	£ 1092

## FLOAT SWITCHES TYPE BR



Float Switches including type BR are inexpensive and efficient liquid level detectors, simple to install, designed for trouble free operation over a long life.

Price		
TYPE BR CONVENTIONAL FLOAT	£ 24	c/w 5M PVC CABLE AND COUNTERWEIGHT
TYPE BR CONVENTIONAL FLOAT	£ 33	c/w 10M PVC CABLE AND COUNTERWEIGHT
TYPE BR CONVENTIONAL FLOAT	£ 46	c/w 10M NEOPRENE CABLE AND COUNTERWEIGHT
TYPE BR CONVENTIONAL FLOAT	£ 53	c/w 20M PVC CABLE AND COUNTERWEIGHT
TYPE BR CONVENTIONAL FLOAT	£ 66	c/w 20M NEOPRENE CABLE AND COUNTERWEIGHT
TYPE BR CONVENTIONAL FLOAT	£ 84	c/w 30M PVC CABLE AND COUNTERWEIGHT
TYPE BR CONVENTIONAL FLOAT	£ 116	c/w 50M PVC CABLE AND COUNTERWEIGHT

## FLOAT SWITCHES TYPE LR02 / ATEX



Float Switches are inexpensive and efficient liquid level detectors, simple to install, designed for trouble free operation over a long life

Price		
TYPE LR02 HEAVY DUTY MERCURY FREE	£ 110	c/w 10M NEOPRENE CABLE AND C/WEIGHT
TYPE LR02 HEAVY DUTY MERCURY FREE	£ 141	c/w 20M NEOPRENE CABLE AND C/WEIGHT
TYPE LR02 HEAVY DUTY MERCURY FREE	£ 180	c/w 30M NEOPRENE CABLE AND C/WEIGHT
TYPE LR02 ATEX HEAVY DUTY MERCURY FREE	£ 118	c/w 10M NEOPRENE CABLE AND C/WEIGHT
TYPE LR02 ATEX HEAVY DUTY MERCURY FREE	£ 148	c/w 20M NEOPRENE CABLE AND C/WEIGHT
TAURUS HEAVY DUTY POLYPROPYLENE FLOAT SWITCH	£ 76	c/w 10M NEOPRENE CABLE
TAURUS HEAVY DUTY POLYPROPYLENE FLOAT SWITCH	£ 137	c/w 20M NEOPRENE CABLE
TITANIO HEAVY DUTY POLYPROPYLENE FLOAT SWITCH	£ 107	c/w 10M PVC CABLE
TITANIO HEAVY DUTY POLYPROPYLENE FLOAT SWITCH	£ 150	c/w 20M PVC CABLE

## MANOMETER



Model	Price	Code	working range (bar)	Diameter (m m)	connection	Casing material
MANO-6	£ 18	082515117	0-5 (precision 25')	53	Radial 1/4	ABS
MANO-12	£ 18	082515116	0-12 (precision 25')	53	Radial 1/4	ABS

## PRESSURE TANKS



Model	Price	Code	Code	Capacity	Diameter	Height	W.	Connections	Max working pressure
			GWS	(l)	(mm)	(mm)	(kg)	(mm)	
PRESS TANK 2	£ 47	481500002	PWB	2	127	183	1	1° G	10 bar
PRESS TANK 8	£ 72	481500008	PWB	8	203	314	2,6	1° G	10 bar
PRESS TANK 18	£ 77	481500018	PWB	18	280	368	4,3	1° G	10 bar
PRESS TANK 60	£ 292	481500060	PWB	60	388	730	12,3	1° G	10 bar
PRESS TANK 100	£ 486	481500100	PWB	100	431	804	18,9	1° G	10 bar
PRESS TANK 200	£ 992	481500200	PWB	200	450	1060	35	1° G	10 bar
PRESS TANK 300	£ 1.445	481500300	PWB	300	450	1520	48	1° G	10 bar



## MECHANICAL PRESSURE SWITCH



[www.peelpumps.co.uk](http://www.peelpumps.co.uk)

Mechanical pressure switch to automatically adjust start and stop of the submersible pump.

**Technical specifications:**

Ambient air temperature for operation: from -25° C to + 70° C • IP degree of protection: IP54 • Maximum power: 1,5 kW • Outlet 0: ¼ G-F

Model	Price	Code	Telemecanique Code	Working	Settings (bar)	Contacts	Entry
PRV0-6	£ 54	082515099	XMPA06B2131	Monofase	0-6	2NC snap action 1,5 kW/ 11A	2 entries PG 13,5
PRV6-12	£ 54	082515100	XMPA12B2131	Monofase	6-12	2NC snap action 1,5 kW/ 11A	2 entries PG 13,5

## WATERPROOF JUNCTION KIT WITH CASTING RESIN

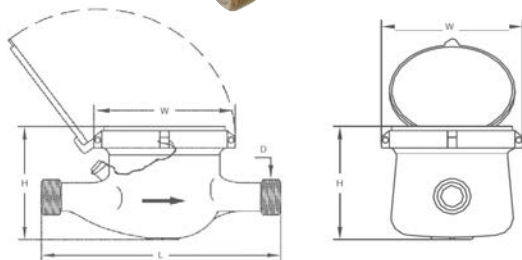


Model	Price
Complete kit	£ 29

## PEEL WATER METER Dry-dial Brass body water meters



Overall Dimension And Weight



**Features**

- Magnetic Drive, Lower transmission resistance.
- Magnetic shield, for external magnetic field protection.
- Sealed dry register ensures long time clear reading.
- External regulating device.

**Accessories:**

2pcs coupling, 2pcs coupling nuts and 2pcs washers.

**Standards Compliance**

Technical data conform to international standard ISO4064

**Optional Features**

- Register sealed type: Dry type;Semi-dry type;Super-dry type.
- Accuracy: R=80 ; 100; 125;160. • Size:15~50mm.
- Cold / hotwater.
- Non return valve.
- Read switch option.
- Several lengths and connections available on request.
- Threaded type: BSP/NPT.

**Working Conditions**

- Water temperature:0.1°C ~ 40°C for cold water meter.
- 0.1°C ~ 90°C for hot water meter.
- Water pressure: ≤1.6Mpa (16bar).

**Maximum Permissible Error**

• In the lower zone from qmin inclusive up to but excluding qt is ±5%.

• In the upper zone from qt inclusive up to and including qs is ±2%;±3% for hot water meter.

Model	Price	DN (mm)	25	50
Sensor for water meter	£ 30,6	Size (inch)	1	2
PEEL Water meter 25 (including pulse counter)	£ 129	Length (L)	260	300
PEEL Water meter 50 (including pulse counter)	£ 289	Width (W)	103.5	125
		Height (H)	124	162
		Connecting Thread D	G11/4B	G21/2B
		Weight(kgs)	1.85	7.25

other models available on request

## FITTINGS

### BLP Male Adaptor



Model	Price
BLP Male Adaptor 25mmx1/2"	£ 2,29
BLP Male Adaptor 25mmx3/4"	£ 2,29
BLP Male Adaptor 25mmx1"	£ 2,29
BLP Male Adaptor 32mmx3/4"	£ 2,87
BLP Male Adaptor 32mmx1"	£ 2,87
BLP Male Adaptor 32mmx1 1/4"	£ 3,05
BLP Male Adaptor 40mmx1"	£ 5,32
BLP Male Adaptor 40mmx1 1/4"	£ 5,32
BLP Male Adaptor 40mmx1 1/2"	£ 5,32
BLP Male Adaptor 50mmx1 1/4"	£ 6,96
BLP Male Adaptor 50mmx1 1/2"	£ 6,96
BLP Male Adaptor 50mmx2"	£ 6,96
BLP Male Adaptor 63mmx1 1/2"	£ 9,84
BLP Male Adaptor 63mmx2"	£ 9,84
BLP Male Adaptor 63mmx2 1/2"	£ 9,84

### BLP Female Adaptor



Model	Price
BLP Female Adaptor 25mmx1/2"	£ 2,66
BLP Female Adaptor 25mmx3/4"	£ 2,66
BLP Female Adaptor 25mmx1"	£ 2,66
BLP Female Adaptor 32mmx1 1/4"	£ 3,20
BLP Female Adaptor 32mmx3/4"	£ 3,20
BLP Female Adaptor 32mmx1"	£ 3,20
BLP Female Adaptor 40mmx1"	£ 5,52
BLP Female Adaptor 40mmx1 1/4"	£ 5,52
BLP Female Adaptor 40mmx1 1/2"	£ 5,52
BLP Female Adaptor 50mmx1 1/4"	£ 7,27
BLP Female Adaptor 50mmx1 1/2"	£ 7,27
BLP Female Adaptor 50mmx2"	£ 7,27
BLP Female Adaptor 63mmx1 1/2"	£ 10,32
BLP Female Adaptor 63mmx2"	£ 10,32

### BLP Elbow 90



Model	Price
BLP Elbow 90 25mm	£ 4,14
BLP Elbow 90 32mm	£ 5,14
BLP Elbow 90 40mm	£ 8,98
BLP Elbow 90 50mm	£ 13,10
BLP Elbow 90 63mm	£ 15,22

### BLP Elbow 90 Female Threaded



Model	Price
BLP Elbow 90 Female Threaded 25mmx1/2"	£ 3,36
BLP Elbow 90 Female Threaded 25mmx3/4"	£ 3,36
BLP Elbow 90 Female Threaded 25mmx1"	£ 3,36
BLP Elbow 90 Female Threaded 32mmx3/4"	£ 4,00
BLP Elbow 90 Female Threaded 32mmx1"	£ 4,00
BLP Elbow 90 Female Threaded 40mmx1"	£ 7,85
BLP Elbow 90 Female Threaded 40mmx1 1/4"	£ 7,85
BLP Elbow 90 Female Threaded 50mmx1 1/2"	£ 10,46
BLP Elbow 90 Female Threaded 50mmx2"	£ 10,46
BLP Elbow 90 Female Threaded 63mmx2"	£ 14,17



## BLP Elbow 90 Male Threaded



Model	Price
BLP Elbow 90 Male Threaded 25mmx1/2"	£ 2,76
BLP Elbow 90 Male Threaded 25mmx3/4"	£ 2,76
BLP Elbow 90 Male Threaded 25mmx1"	£ 2,92
BLP Elbow 90 Male Threaded 32mmx3/4"	£ 3,56
BLP Elbow 90 Male Threaded 32mmx1"	£ 3,56
BLP Elbow 90 Male Threaded 32mmx1 1/4"	£ 3,56
BLP Elbow 90 Male Threaded 40mmx1"	£ 5,69
BLP Elbow 90 Male Threaded 40mmx1 1/4"	£ 5,69
BLP Elbow 90 Male Threaded 40mmx1 1/2"	£ 5,69
BLP Elbow 90 Male Threaded 40mmx2"	£ 6,68
BLP Elbow 90 Male Threaded 50mmx1 1/4"	£ 7,75
BLP Elbow 90 Male Threaded 50mmx1 1/2"	£ 7,75
BLP Elbow 90 Male Threaded 50mmx2"	£ 8,30
BLP Elbow 90 Male Threaded 63mmx1 1/2"	£ 10,73
BLP Elbow 90 Male Threaded 63mmx2"	£ 10,73
BLP Elbow 90 Male Threaded 63mmx2 1/2"	£ 10,73

## BLP Tee



Model	Price
BLP Tee 25mm	£ 5,81
BLP Tee 32mm	£ 7,63
BLP Tee 40mm	£ 12,50
BLP Tee 50mm	£ 16,97
BLP Tee 63mm	£ 24,13

## BLP Reducing Tee



Model	Price
BLP Reducing Tee 25x20x25mm	£ 6,50
BLP Reducing Tee 32x25x32mm	£ 7,39
BLP Reducing Tee 40x32x40mm	£ 12,50
BLP Reducing Tee 50x25x50mm	£ 18,42
BLP Reducing Tee 50x32x50mm	£ 18,42
BLP Reducing Tee 50x40x50mm	£ 18,42
BLP Reducing Tee 63x25x63mm	£ 22,36
BLP Reducing Tee 63x32x63mm	£ 22,36
BLP Reducing Tee 63x40x63mm	£ 22,36
BLP Reducing Tee 63x50x63mm	£ 22,36

## BLP Tee Female Threaded



Model	Price
BLP Tee Female Threaded 25mmx1/2"	£ 5,08
BLP Tee Female Threaded 25mmx3/4"	£ 5,08
BLP Tee Female Threaded 25mmx1"	£ 5,08
BLP Tee Female Threaded 32mmx3/4"	£ 6,61
BLP Tee Female Threaded 32mmx1"	£ 6,61
BLP Tee Female Threaded 40mmx1"	£ 11,18
BLP Tee Female Threaded 40mmx1 1/4"	£ 11,18
BLP Tee Female Threaded 40mmx1 1/2"	£ 12,23
BLP Tee Female Threaded 50mmx1 1/4"	£ 15,85
BLP Tee Female Threaded 50mmx1 1/2"	£ 15,85
BLP Tee Female Threaded 63mmx2"	£ 30,83



## Polypropylene Double Union Ball Valve Compression Joint

Model	Price
Polypropylene Double Union Ball Valve Compression Joint 25mm	£ 38,55
Polypropylene Double Union Ball Valve Compression Joint 32mm	£ 52,14
Polypropylene Double Union Ball Valve Compression Joint 40mm	£ 61,68
Polypropylene Double Union Ball Valve Compression Joint 50mm	£ 77,16
Polypropylene Double Union Ball Valve Compression Joint 63mm	£ 102,30

# Guide for the selection of the correct size and length of the cable:

## 2-WIRE & PSC SINGLE-PHASE - 1X220-240 V~, 50 HZ

kW	HP	A	3/4 x 1 mm <sup>2</sup>	3/4 x 1,5 mm <sup>2</sup>	3/4 x 2,5 mm <sup>2</sup>	3/4 x 4 mm <sup>2</sup>	3/4 x 6 mm <sup>2</sup>	3/4 x 10 mm <sup>2</sup>
0,25	0,33	2,8	93 m	140 m	232 m	370 m	553 m	-
0,37	0,5	3,3	79 m	119 m	197 m	314 m	470 m	776 m
0,55	0,75	4,4	60 m	89 m	148 m	236 m	352 m	582 m
0,75	1	5,8	45 m	68 m	112 m	179 m	267 m	442 m
1,1	1,5	7,7	32 m	48 m	80 m	128 m	191 m	316 m
1,5	2	10,5	-	37 m	62 m	99 m	148 m	244 m
2,2	3	14,8	-	25 m	42 m	67 m	100 m	166 m

## THREE-PHASE - 3X380-415 V~, 50 HZ

kW	HP	A	4 x 1 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	4 x 2,5 mm <sup>2</sup>	4 x 4 mm <sup>2</sup>	4 x 6 mm <sup>2</sup>	4 x 10 mm <sup>2</sup>
0,37	0,5	1,7	381 m	571 m	-	-	-	-
0,55	0,75	1,8	360 m	540 m	897 m	-	-	-
0,75	1	2,6	249 m	374 m	621 m	-	-	-
1,1	1,5	3,6	180 m	270 m	448 m	715 m	-	-
1,5	2	4,6	141 m	211 m	351 m	560 m	835 m	-
2,2	3	5,4	106 m	159 m	265 m	422 m	630 m	-
3	4	7,2	79 m	118 m	197 m	314 m	469 m	774 m
4	5,5	9,8	-	96 m	160 m	255 m	380 m	628 m
5,5	7,5	12,6	-	68 m	114 m	181 m	271 m	447 m
7,5	10	17,6	-	-	88 m	141 m	210 m	348 m

## THREE-PHASE - 3X220-230 V~, 50 HZ

kW	HP	A	4 x 1 mm <sup>2</sup>	4 x 1,5 mm <sup>2</sup>	4 x 2,5 mm <sup>2</sup>	4 x 4 mm <sup>2</sup>	4 x 6 mm <sup>2</sup>	4 x 10 mm <sup>2</sup>
0,37	0,5	2,9	129 m	193 m	320 m	510 m	762 m	-
0,55	0,75	3,1	120 m	180 m	300 m	477 m	713 m	-
0,75	1	4,5	83 m	124 m	206 m	329 m	491 m	811 m
1,1	1,5	6,2	60 m	90 m	150 m	239 m	356 m	588 m
1,5	2	8,0	47 m	70 m	116 m	185 m	276 m	456 m
2,2	3	9,3	-	55 m	91 m	145 m	217 m	358 m
3	4	12,5	-	41 m	69 m	110 m	164 m	270 m
4	5,5	17,0	-	-	54 m	86 m	129 m	212 m
5,5	7,5	21,8	-	-	38 m	60 m	90 m	149 m

- Voltage drop:  $\Delta U = 4\% \cdot \cos\Phi = 0,99$  for single-phase motor -  $\cos\Phi = 0,80$  for three phase motor • Cable specific resistance:  $r = 0,0178 \Omega \text{ mm}^2/\text{m}$  • Inductive resistance:  $X_l = 0,078 \cdot 3 \cdot 10^{-3} [\Omega/\text{m}]$
- Environmental temperature:  $30^\circ\text{C}$  - In case of specific installation or for a precise cable selection the following calculation is recommended:
- $U$  = Nominal Voltage[V] •  $\Delta U$  = Voltage drop [%] •  $I$  = Current [A]
- $a$  = Coefficient 2,0 for single phase motor - Coefficient 1,73 for three phase motor
- $\cos\Phi$  = Power parameter •  $r$  = Specific resistance [ $\Omega\text{mm}^2/\text{m}$ ]
- $q$  = Cable conductor section [ $\text{mm}^2$ ] •  $X_l$  = Inductive resistance [ $\Omega/\text{m}$ ]

$$L = \frac{U \times \Delta U}{I \times a \times 100 \times (\cos\Phi \frac{r}{q} + \sqrt{1 - \cos^2\Phi} \times X_l)} \text{ [m]}$$



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