APT

2023

WATER PUMP CATALOGUE

The Name You Can Trust

APT International

The Name You Can Trust

About:

With Decades of experience, APT International is a global emerging brand that is determined to lead, with solid experience in Product development, manufacturing, distributing, selling, and servicing world class products. We aspire to become a global brand that is trusted by our customers for our tools, accessories, and equipment.

Believing that to build a great tool you need great materials is the driver of our manufacturing process, and for that we source the absolute best raw materials and components to build the most powerful and efficient tool for our customers to rely on.

We put our customers at the heart of everything we do, and we make sure that our wide range of products is available for them in every market we enter through a strong network of central distribution centers, local distributors, and retailers. Complemented with a vast network of service centers equipped with highly qualified technicians delivering a world class customer service quality to ensure our customers complete satisfaction.

Our Values:

Reliability: Our tools are built to last, for our customers to trust that they will consistently deliver the same quality every time.

Quality: We have a passionate commitment to providing high quality tools that exceed our customers' expectations.

Value for Money: Our advanced production capabilities enable us to offer our customers an unmatched combination of reliability, quality & price.

Innovation: We continuously strive to bring innovative solutions, for our customers to have the tools they need to get the job done.

Customer Focus: Our customers are at the heart of everything we do, we listen to their needs and work to deliver what they desire.

CATALOG

The Name You Can Trust

NSFM Jet Pump

Capacity up to 70L/min(4.2m3/h)

Head up to 60m

Liquid Type:Clean water
Typology:Surface
Family:Self-priming

APPLICATION LIMITS

Manometric suction lift up to 9 m
Liquid temperature up to +40℃
Ambient temperature up to +40℃

Household Industry Municipal

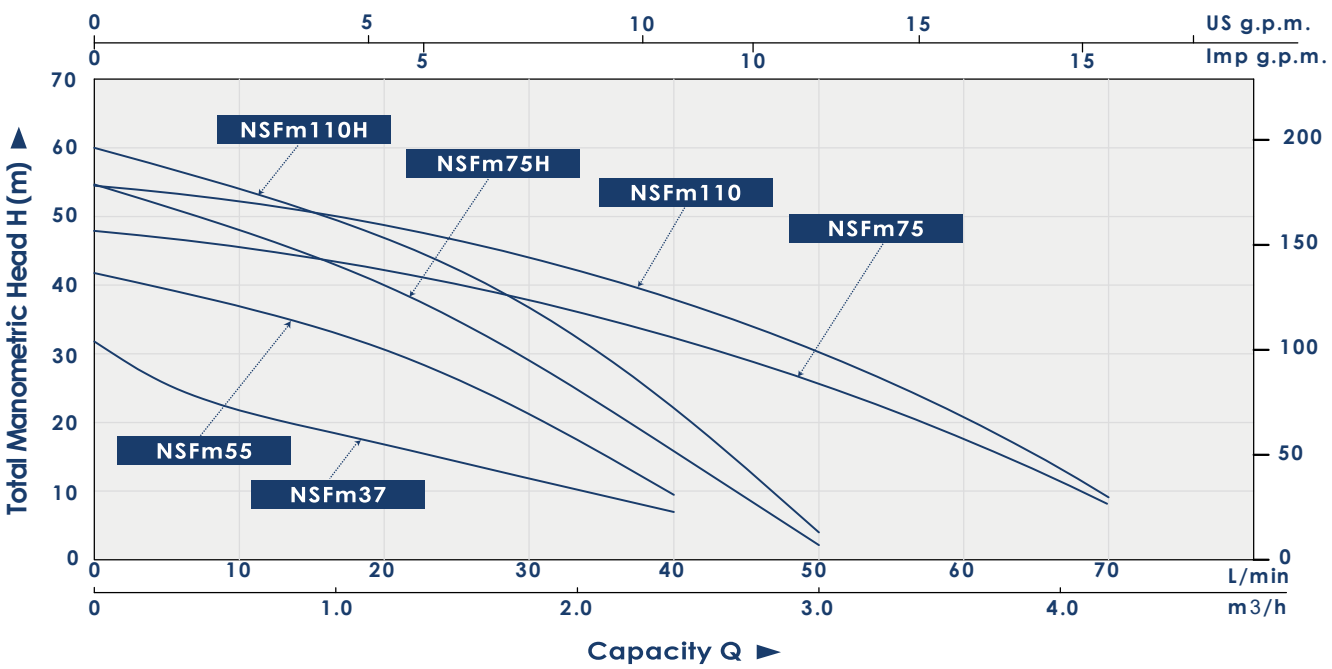
INSTALLATION & USE

Recommended for pumping clean water without abrasive particles, and liquids that are chemically nonaggressive for the pump materials. Widely used in well water lifting, garden irrigation, vegetable greenhouse water supply, breeding industry water supply and drainage pipeline boosting.

CONSTRUCTION

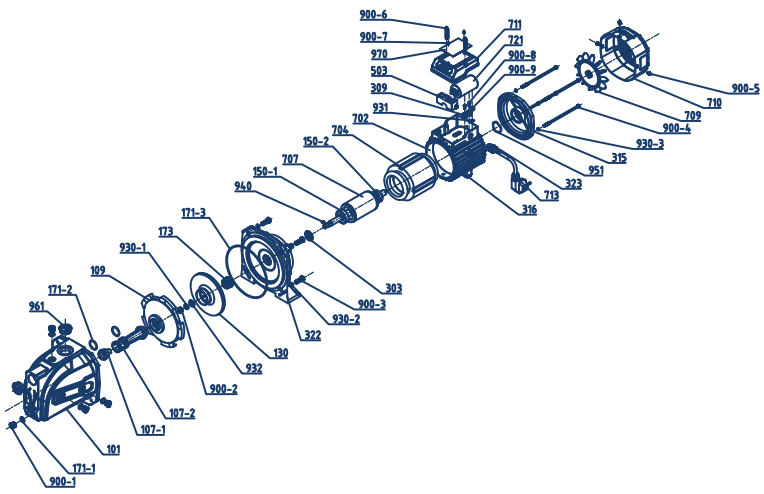
Pump Body:Cast iron.
Impeller: Stainless steel.
Motor Shaft:stainless steel
Mechanical Seal:Ceramic -graphite.
Electric Motor:Single-phase 230V-50Hz with condenser and thermal overload protector builtinto the copper winding.
Insulation:Class F.
Protection:IP 44.

PERFORMANCE



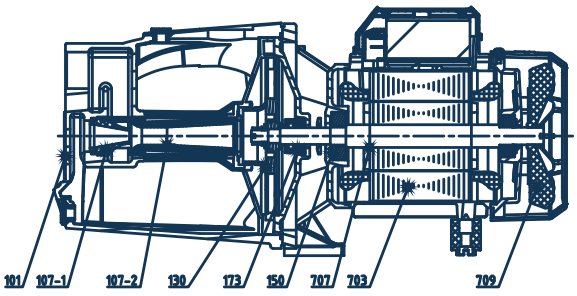
Model	Power		Max Head	Max. Flow		Size	Suct Max.	Q(m³/h)	0	0.3	0.9	1.2	1.5	2.4	3.0	3.6	4.2
	KW	HP	M	L/min	m³/H	Inch	M	Q(L/min)	0	5	15	20	25	40	50	60	70
NSFm37	0.37	0.5	32	50	3	1"×1"	9	H(m)	32	25.7	19.3	16.9	14.4	7	-	-	-
NSFm55	0.55	0.75	42	50	3	1"×1"	9		42	35.6	32	30.8	28.1	9.5	-	-	-
NSFm75	0.75	1	48	70	4.2	1"×1"	9		48	43	40.7	39.5	37	32	26	23	13.4
NSFm110	1.1	1.5	55	70	4.2	1"×1"	9		55	49.4	41.8	39	36.5	32.2	30.8	24.3	15
NSFm75H	0.75	1	55	70	4.2	1"×1"	9		55	51.5	43.2	40.4	37.7	15.9	-	-	-
NSFm110H	1.1	1.5	60	70	4.2	1"×1"	9		60	55.3	49	46	42.6	14.8	4	-	-

DIAGRAM



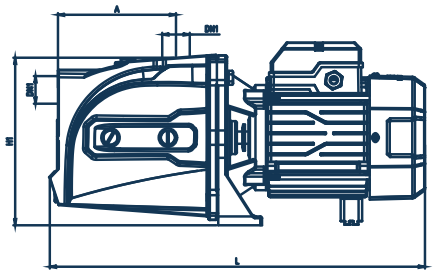
316	Foot	109	Guide vane
315	End cover	107-2	Nozzle
309	Cable pressing plate	107-1	Injector
303	Water retaining ring	101	Pump body
173	Mechanical seal	900-4	Hexagon headed bolt
171-3	O ring	900-3	Hexagon headed bolt
171-2	O ring	900-2	Slotted hexagon nut
171-1	O ring	900-1	Slotted hexagon bolt
150-2	Bearing	721	Run capacitor
150-1	Bearing	713	Cable
130	Impeller	711	Terminal box cover
710	Fan cover	940	Key
709	Fan	932	Flat washer
707	Cast aluminum rotor	931	External tooth lock washer
703	Stator core with winding	930-3	Spring washer
702	Barrel	930-2	Spring washer
503	Terminal Block	930-1	Spring washer
323	Cable gland	900-9	Cross recessed pan head screw with washer
322	Coupling	900-8	Phillips pan head screw
970	Nameplate	900-7	Nameplate rivet
961	Dust cover	900-6	Phillips pan head screw
951	Wave washer	900-5	Phillips pan head screw

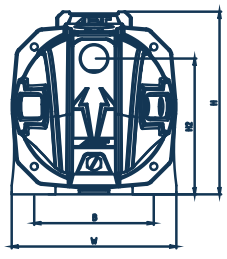
Product parameters



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
101	Pump body	Cast iron
107-1	injector	Plastic PPO
107-2	Nozzle	Plastic PPO
130	impeller	Stainless steel
150	bearing	2-6202RZ
173	Mechanical seal	Ceramic - graphite
703	Stator core	Stator core with winding
707	Rotor	Stainless steel shaft
709	Fan	Plastic PA

product dimensions





Model	DN1	DN2	Dimension(mm)						
			L	W	H	H1	H2	A	B
NSFm37	1"	1"	365	159.5	182.5	164	129.5	102.5	124
NSFm55	1"	1"	428	188	208	189	155	134	138
NSFm75	1"	1"	428	188	208	189	155	134	138
NSFm110	1"	1"	428	188	208	189	155	134	138
NSFm75H	1"	1"	428	188	208	189	155	134	138
NSFm110H	1"	1"	428	188	208	189	155	134	138

NSFM Jet Pump

Capacity up to 160 L/min(9.6m³ /h)

Head up to 85m

Liquid Type:Clean water
Typology:Surface
Family:Self-priming

APPLICATION LIMITS

Manometric suction lift up to 9 m
Liquid temperature up to +40℃
Ambient temperature up to +40℃

Household Industry Municipal

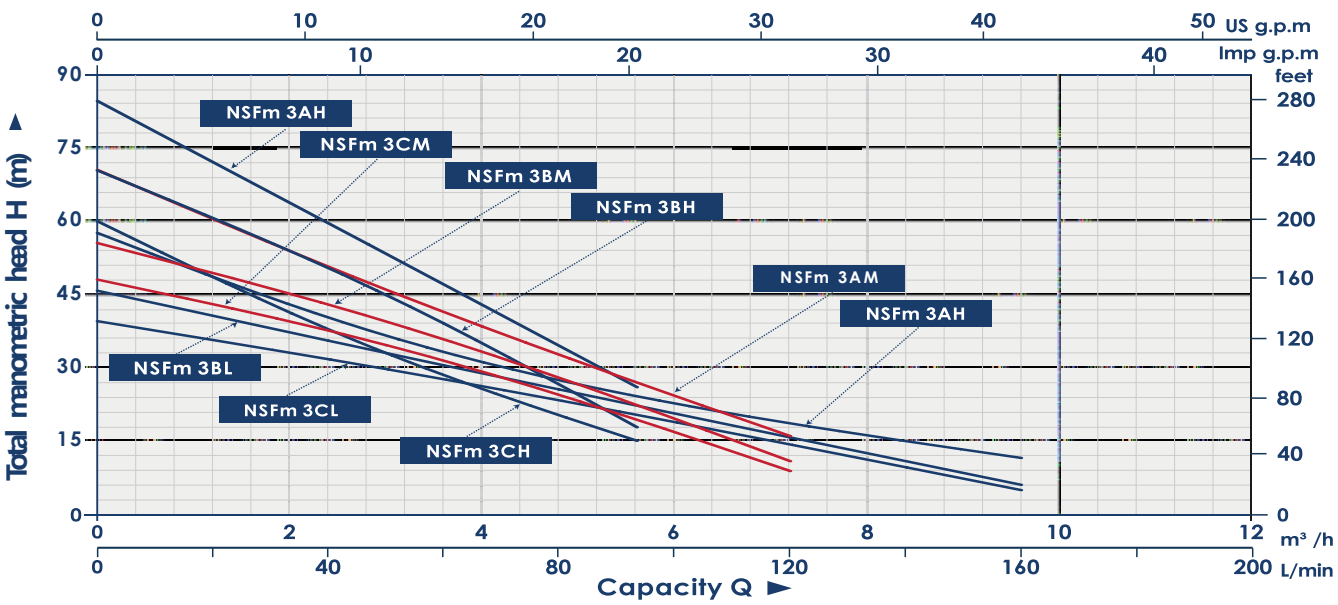
INSTALLATION & USE

Recommended for pumping clean water without abrasive particles, and liquids that are chemically nonaggressive for the pump materials. Widely used in well water lifting, garden irrigation, vegetable greenhouse water supply, breeding industry water supply and drainage pipeline boosting.

CONSTRUCTION

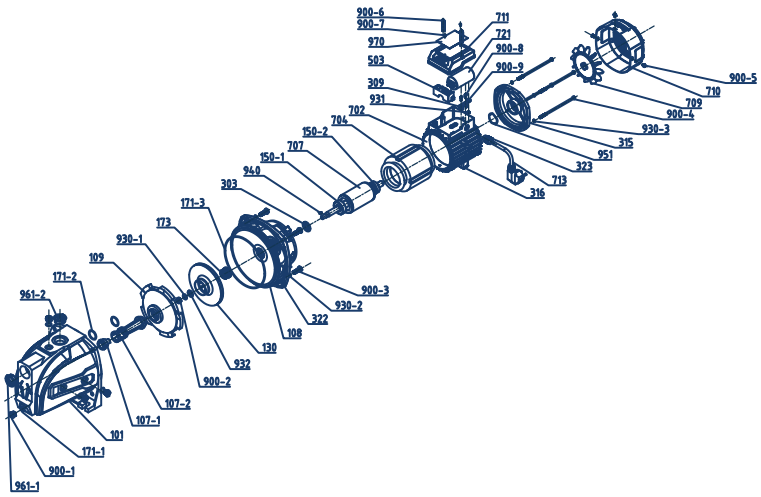
Pump Body:Cast iron.
Impeller: Stainless steel.
Motor Shaft:stainless steel
Mechanical Seal:Ceramic -graphite.
Electric Motor:Single-phase 230V-50Hz with condenser and thermal overload protector builtinto the copper winding.
Insulation:Class F .
Protection:IP 44.

PERFORMANCE



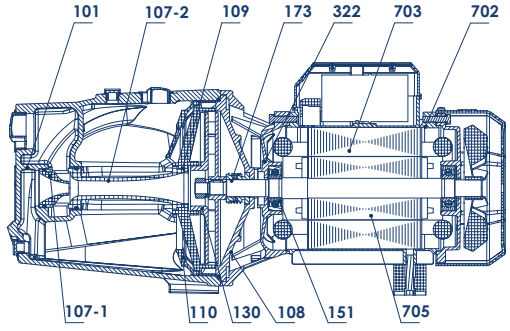
Model	Power		Max Head	Max. Flow		Size	Suct Max.	Q(m³/h)	0	0.9	1.8	2.7	3.0	4.2	4.8	5.4	6.6	7.2	7.8	8.4	9.6
	KW	HP	M	L/min	m³/H	Inch	M	Q(L/min)	0	15	30	45	50	70	80	90	110	120	130	150	160
JSWm3CH	1.1	1.5	60	93	5.6	1 ¼"×1"	9		60	47.7	39.8	34.5	32.7	29	24	15	-	-	-	-	-
JSWm3BH	1.5	2	70	93	5.6	1 ¼"×1"	9		70	58.7	52	47	45	33	26	18	-	-	-	-	-
JSWm3AH	2.2	3	85	93	5.6	1 ¼"×1"	9		85	71	64	56	53	47	30	26	-	-	-	-	-
JSWm3CM	1.1	1.5	48	120	7.2	1 ¼"×1"	9		48	44	39.8	36.1	34.8	30.9	28.6	25	19	9	-	-	-
JSWm3BM	1.5	2	56	120	7.2	1 ¼"×1"	9	H(m)	56	50.7	46.4	42	40.5	35.5	32.9	30.4	21.6	11	-	-	-
JSWm3AM	2.2	3	70	120	7.2	1 ¼"×1"	9		70	67	63	54	46	40	36	32	23	16	-	-	-
JSWm3CL	1.1	1.5	40	160	9.6	1 ¼"×1 ¼"	9		40	37.2	33.7	30.3	29.5	26.6	25.1	23.7	20.7	14	12	10	5
JSWm3BL	1.5	2	46	160	9.6	1 ¼"×1 ¼"	9		46	44	40.6	35.7	33	30	27.5	25.6	22.3	20	16	11	6
JSWm3AL	2.2	3	58	160	9.6	1 ¼"×1 ¼"	9		58	54	50	40	37	34	30	27.5	23	21	18	14	12

DIAGRAM



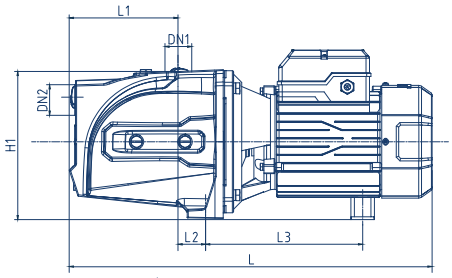
316	Foot	109	Guide vane
315	End cover	108	Pump cover
309	Cable pressing plate	107-2	Nozzle
303	Water retaining ring	107-1	Injector
173	Mechanical seal	101	Pump body
171-3	O ring	900-5	Phillips pan head screw
171-2	O ring	900-4	Hexagon headed bolt
171-1	O ring	900-3	Hexagon headed bolt
150-2	Bearing	900-2	Slotted hexagon nut
150-1	Bearing	900-1	Slotted hexagon bolt
130	Impeller	711	Terminal box cover
710	Fan cover	951	Wave washer
709	Fan	940	Key
707	Cast aluminum rotor	932	Flat washer
703	Stator core with winding	931	External tooth lock washer
702	Barrel	930-3	Spring washer
503	Terminal Block	930-2	Spring washer
323	Cable gland	930-1	Spring washer
322	Coupling	900-9	Crossed round head screw with washer
970	Nameplate	900-8	Phillips pan head screw
961-2	Dust cover	900-7	Nameplate rivet
961-1	Dust cover	900-6	Phillips pan head screw

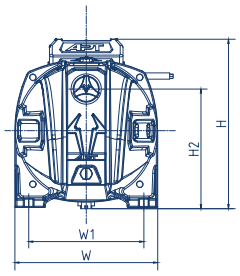
Product parameters



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
101	Pump body	Castiron
107-1	injector	Plastic PPO
107-2	Nozzle	Plastic PPO
108	pump cover	Castiron
109	Guidr vane	Castiron
110	Guidevane cover	Plastic PPO
130	impeller	Stainless steel
151	Bearing	Cast aluminum rotor
173	Mechanical seal	Ceramic - graphite
322	Coupling	Aluminum
702	Barrel	YL102
703	Stator	Stator core with winding
705	Rotor	Cast aluminum rotor

product dimensions





Model	DN1	DN2	Dimension(mm)								
			L	W	H	L1	L2	L3	W1	H1	H2
JSWm3CH	1"	1"	522	206	244	157	40	227	166	213	170
JSWm3BH	1"	1"	522	206	244	157	40	227	166	213	170
JSWm3AH	1"	1"	522	206	244	157	40	227	166	213	170
JSWm3CM	1"	1"	522	206	244	157	40	227	166	213	170
JSWm3BM	1"	1"	522	206	244	157	40	227	166	213	170
JSWm3AM	1"	1"	522	206	244	157	40	227	166	213	170
JSWm3CL	1"	1"	522	206	244	157	40	227	166	213	170
JSWm3BL	1"	1"	522	206	244	157	40	227	166	213	170
JSWm3AL	1"	1"	522	206	244	157	40	227	166	213	170

QB Peripheral Pump

Capacity up to 83 L/min(5m³ /h)

Head up to 78m

Liquid Type:Clean water
Applications:Water supply systems, pressure systems,irrigation pumps
Typology:Surface
Family:Peripheral

APPLICATION LIMITS

Manometric suction lift up to 8 m
Liquid temperature up to +40℃
Ambient temperature up to +40℃

Household Industry Municipal

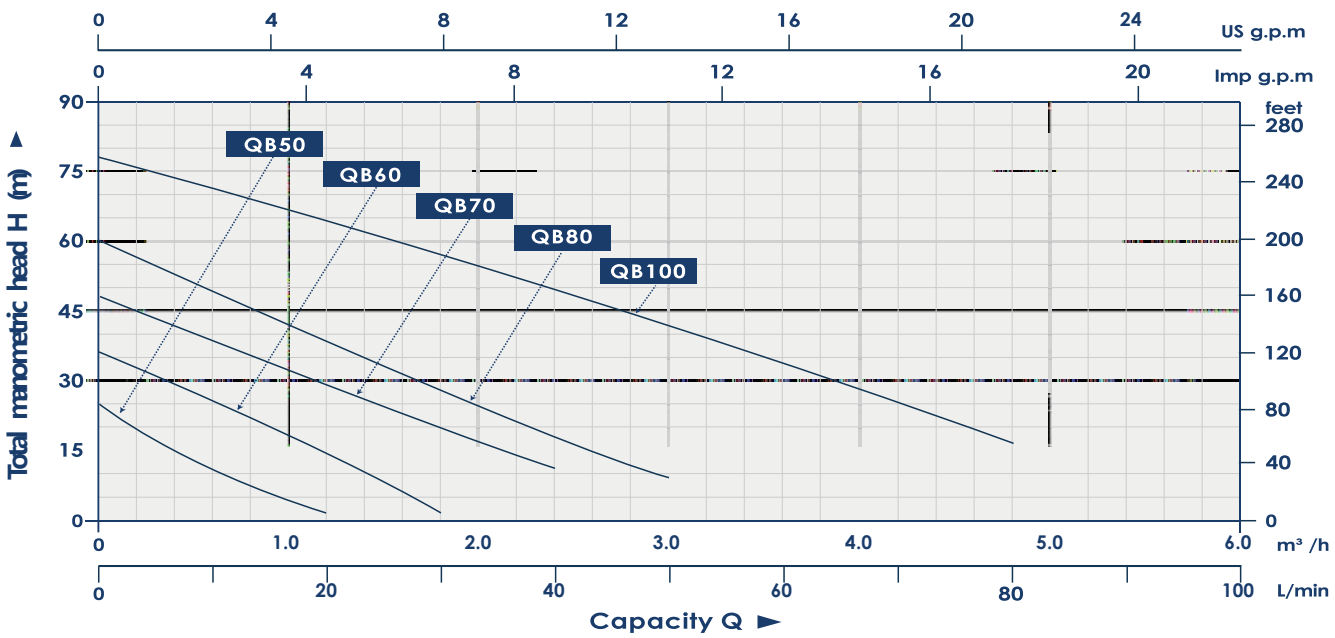
INSTALLATION & USE

Recommended for pumping clean water without abrasive particles, and liquids that are chemically nonaggressive for the pump materials.
Reliable, easy to use and economical.
Hence, these pumps are suitable for domestic use and in particular, for the distribution of water for the irrigation of gardens and allotments.
The pumps should be installed in enclosed environment or at least sheltered from inclement weather.

CONSTRUCTION

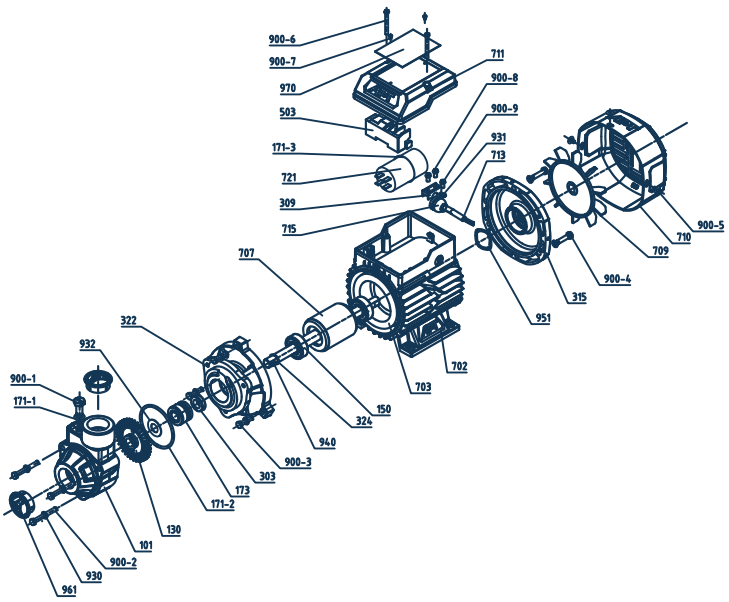
Pump Body:Cast iron.
Impeller:Brass,with radial peripheral vanes.
Motor Shaft:stainless steel
Mechanical Seal:Ceramic-graphite.
Electric Motor:Single-phase 230V-50Hz with condenser and thermal overload protector built into the copper winding.
Insulation:Class F .
Protection:IP 44.

PERFORMANCE



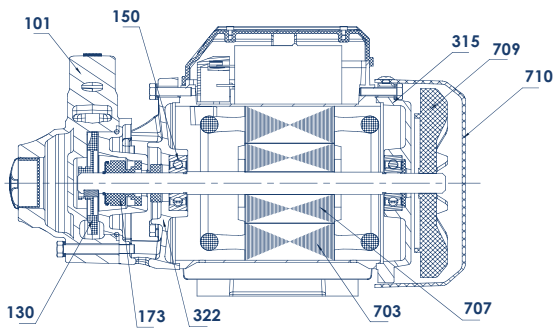
Model	Power		Max Head	Max. Flow		Size	Suct Max.	Q(m³/h)	0	0.3	0.6	0.9	1.2	1.5	1.8	2	2.4	3	3.6	4.2	4.8
	KW	HP	M	L/min	m³/H	Inch	M	Q(L/min)	0	5	10	15	20	25	30	33	40	50	60	70	80
QB50	0.125	0.17	20	22	1.3	1"×1"	8		20	15.7	10.7	6.7	1.8	-	-	-	-	-	-	-	-
QB60	0.37	0.5	36	33	2	1"×1"	8		36	30.7	24.8	19.3	14.8	8.5	2.5	-	-	-	-	-	-
QB70	0.55	0.75	48	50	2.5	1"×1"	8	H(m)	48	46	40.7	34.9	29.6	24.4	19.7	15.2	11	-	-	-	-
QB80	0.75	1	60	58	3	1"×1"	8		60	55.7	50.2	44.1	37	28.7	26.7	23.8	19.3	9.7	-	-	-
QB100	1.5	2	78	83	5	1"×1"	8		78	76	73.5	71.1	66.9	62.4	57.8	53.3	49.2	40.7	31.7	22.9	16.1

DIAGRAM



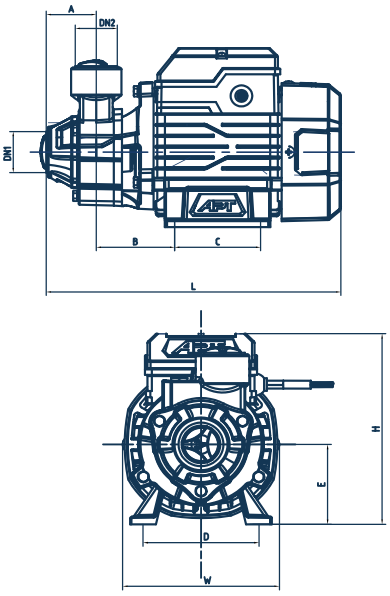
503	Terminal block	713	Cable
324	Snap Spring	711	Terminal box
322	Connector	710	Fan cover
315	End cover	709	Fan
309	Cable pressing plate	707	Cast aluminum rotor
303	Water Retaining Ring	703	Stator core with winding
173	Mechanical Seal	702	Barrel
171-3	O ring	970	Nameplate
171-2	O ring	961	Dust cover
171-1	O ring	951	Wave washer
150	Bearing	940	key
130	Impeller	932	Flat Washer
101	Pump body	931	External tooth lock washer
900-4	Hexagon headed bolt	930	Spring Washer
900-3	Hexagon headed bolt	900-9	Crossed round head screw with washer
900-2	Hexagon headed bolt	900-8	Phillips pan head screw
900-1	Hexagon headed bolt	900-7	Nameplate rivet
721	Run capacitor	900-6	Phillips pan head screw
715	Cable sheath	900-5	Phillips pan head screw

Product parameters



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
101	Pump body	Castiron
130	impeller	Brass
150	bearing	2-6201RZ
173	Mechanical seal	Ceramic - graphite
315	End cover	Castiron
322	coupling	Castiron
703	Stator core	Stator core with winding
707	Rotor	Cast aluminum rotor
709	Fan	Plastics
710	Fan cover	Plastics ABS

product dimensions



Model	DN1	DN2	Dimension(mm)							
			L	W	H	A	B	C	D	E
QB50	1"	1"	224.5	130	158.8	40	59	55	103.5	65
QB60	1"	1"	250	126	157	41.5	67	73.5	92	66
QB70	1"	1"	283	149.5	182.5	47.5	67.5	90.5	112.5	74
QB80	1"	1"	283	149.5	182.5	47.5	67.5	90.5	112.5	74
QB100	1"	1"	336	174	213.5	57	86	100	124.5	85

CPM Centrifugal Pump

Capacity up to 133 L/h(8m³ /h)

Head up to 48m

APPLICATION LIMITS

Maximum operating depth 7m below water level

Liquid temperature+40℃

Ambient temperature up to+40℃

Household Industry Municipal

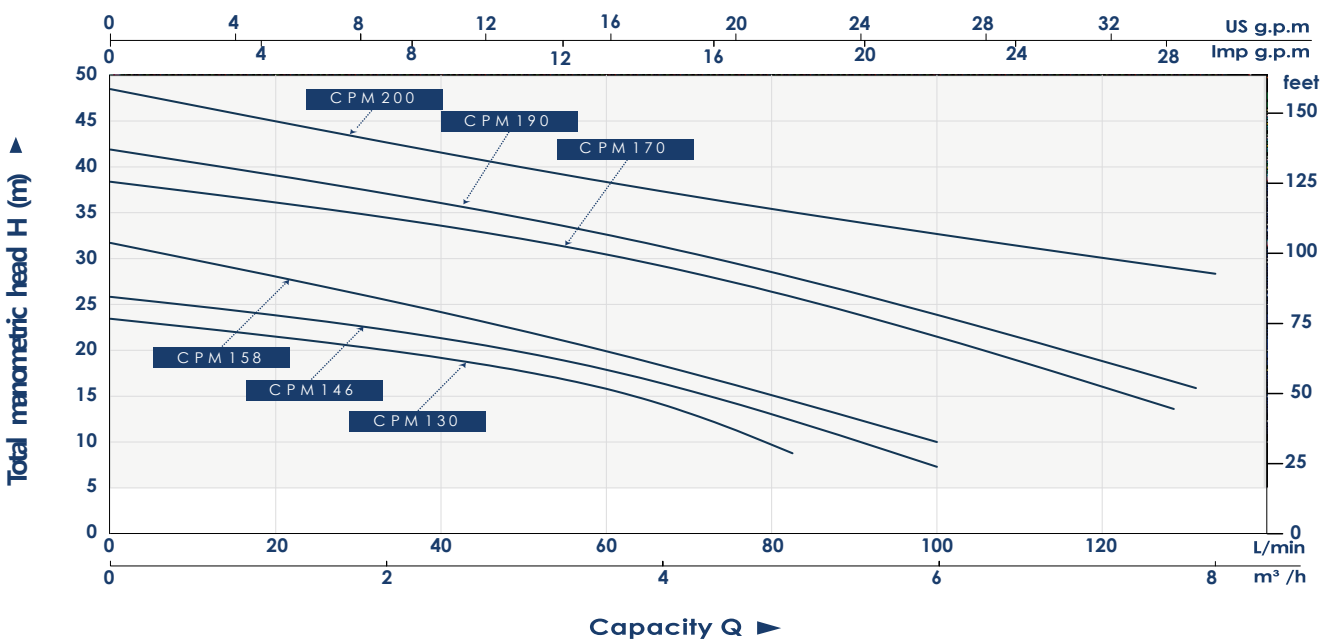
INSTALLATION & USE

Recommended for pumping clean water without abrasive particles, and liquids that are chemically nonaggressive for the pump materials.
Reliable, easy to use and economical. Hence, these pumps are suitable for domestic use and in particular, for the distribution of water for the irrigation of gardens and allotments.
The pumps should be installed in enclosed environment or at least sheltered from inclement weather.

CONSTRUCTION

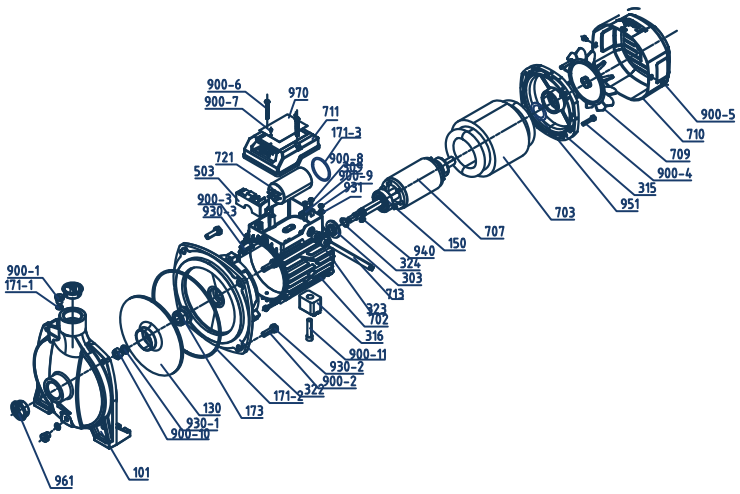
Pump Body: Cast iron
Impeller: stainless steel
Motor Shaft: 304 stainless steel shaft
Mechanical Seal: Ceramic - graphite
Electric Motor: Cpm:Single-phase 230V-50Hz with condenser and thermal overload protector built into the copper winding.Cp:three-phase 380/400V-50Hz.
Insulation:Class F .
Protection: IP 44.

PERFORMANCE



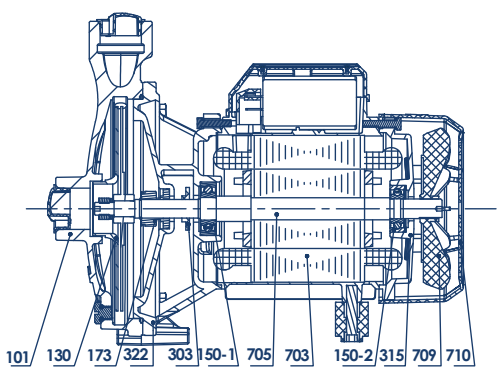
Model	Power		Max Head	Max. Flow		Size	Suct Max.	Q(m³/h)	0	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8
	KW	HP	M	L/min	m³/H	Inch	M	Q(L/min)	0	15	30	45	60	75	90	105	120	133
CPm130	0.37	0.5	23	83	5	1″×1″	7	H(m)	23	21.9	20.5	18.6	15.8	11.7	-	-	-	-
CPm146	0.55	0.75	26	100	6	1″×1″	7		26	23.4	21.8	20	17.8	14.4	10	-	-	-
CPm158	0.75	1	32	100	6	1″×1″	7		32	25.7	24.5	22.6	19.8	16.8	12.6	-	-	-
CPm170	1.1	1.5	38	125	7.5	1¼″×1″	7		38	36	34	32.3	30.6	27.1	23.8	21.6	16.9	-
CPm190	1.5	2	42	130	7.8	1″×1″	7		42	38.7	36.4	34.2	32.5	29.7	25.2	22.6	18.2	-
CPm200	2.2	3	48	133	8	1″×1″	7		48	46	43.5	40.7	38.1	36.3	34.6	33	30.6	27.9

DIAGRAM



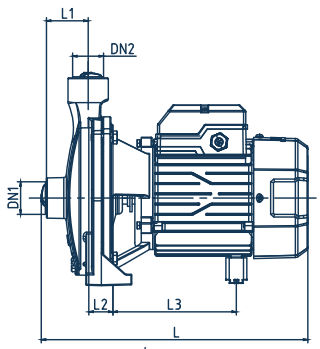
101	Pump body
130	Impeller
150	Bearing
171-1	O ring
171-2	O ring
171-3	O ring
173	Mechanical seal
303	Water retaining ring
309	Cable pressing plate
315	End cover
316	Foot
322	Coupling
323	Cable gland
324	Circlip
503	Terminal Block
702	Barrel
703	Stator core with winding
707	Cast aluminum rotor
709	Fan
710	Fan cover
711	Terminal box
713	Cable
721	Run capacitor
900-1	Vent cock
900-2	Hexagon headed bolt
900-3	Hexagon headed bolt
900-4	Hexagon headed bolt
900-5	Phillips pan head screw
900-6	Phillips pan head screw
900-7	Nameplate rivet
900-8	Phillips pan head screw
900-9	Cross recessed round head screw with washer
900-10	Slotted hexagon nut
900-11	Hexagon socket head cap screw
930-1	Spring washer
930-2	Spring washer
930-3	Spring washer
931	External tooth Lock washer
940	Key
951	Wave washer
961	Dust cover
971	Nameplate

Product parameters



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
101	PUmp bo dy	Cast iron
130	impel l er	Stainless steel
150-1	bear in g	6202-2RZ
150-2	bear in g	6202-2RZ
173	MECHANICAL SEAL	Ceramic - graphite
303	Wate r retaining ring	Rubber
315	End cover	Cast iron
322	c o upl in g	Cast iron
703	stator	Stator core with winding
705	ROTOR	Cast aluminum rotor
709	Fan	Plastic PP
710	Fan c o ver	Plastic ABS

product dimensions



Model	DN1	DN2	Dimension(mm)							
			L	W	H	L1	L2	L3	W1	W2
CPm130	1"	1"	269	161	217	45	35	114	125	87
CPm146	1"	1"	312	175	231	48.5	36	131	140	100
CPm158	1"	1"	312	190	248	48.5	40.5	132.5	151	103
CPm170	1.25"	1"	359	205	274	50.5	38	169	164	119
CPm190	1"	1"	355	229	296	50.5	41	155	187	126
CPm200	1"	1"	418	229	282	50.5	41	184	187	117

GV Submersible Sewage Pump

Capacity up to 767 L/min(46 m³ /h)

Head up to 17.5m

APPLICATION LIMITS

5 m maximum immersion depth
Maximum liquid temperature up to+35℃
Maximum ambient temperature up to +40℃

Irrigation Industry Municipal

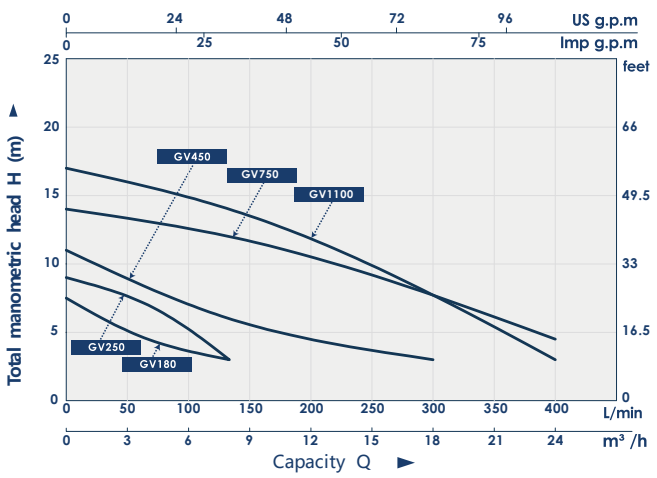
INSTALLATION & USE

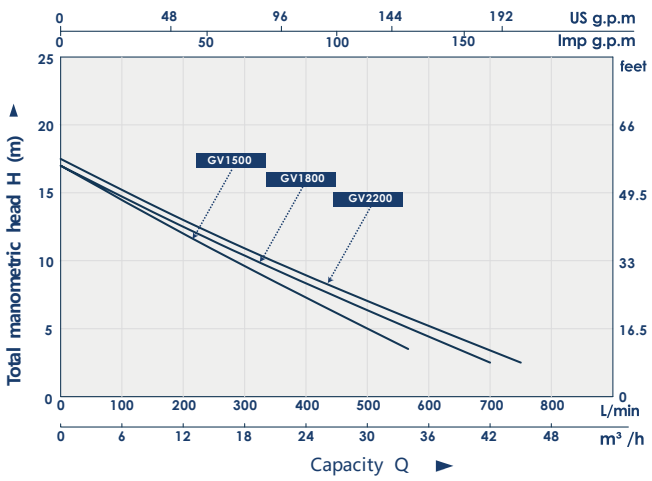
Equipped with a vortex impeller.
Strong sewage discharge capacity.
Pumping sewage containing particles and clean water.
Stainless steel casing, hence suitable for pumping in corrosive medium.
Can pass through the dirt and debris with large particle diameter which is suitable for discharge and transportation of sewage.
Equipped with a thick base which has a large water output and can be used in various sewage systems.
Suitable for chemical industry, petroleum, pharmaceutical mining, paper industry cement plants, steel plants, power plants coal processing industry, urban sewage, treatment plants drainage systems, municipal, construction sites and other industries.

CONSTRUCTION

Pump Body:Cast iron.
Impeller:Vortex impeller in cast iron
Motor Bracket:Stainless steel.
Motor Shaft:Stainless steel.
Mechanical Seal:Ceramic-graphite and Sic to graphite.
Electric Motor:Single-phase 230V-50Hz with condenser thermal overload protector built into the copper winding.
Insulation:Class B.
Protection:IP X8.

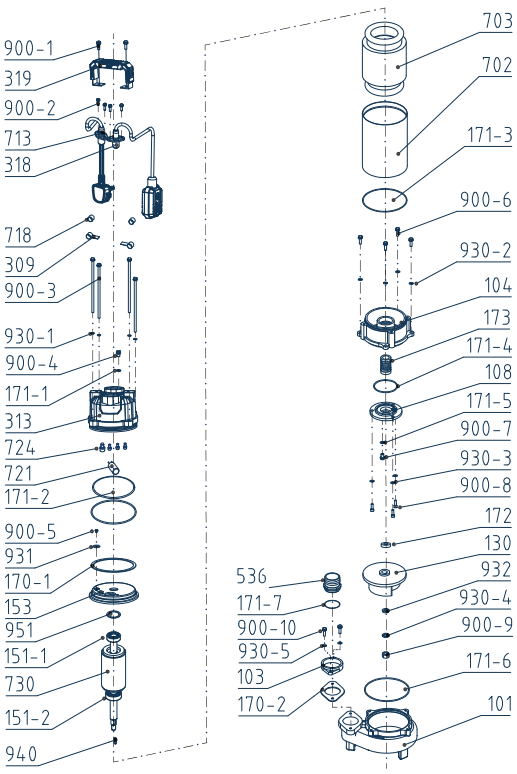
PERFORMANCE





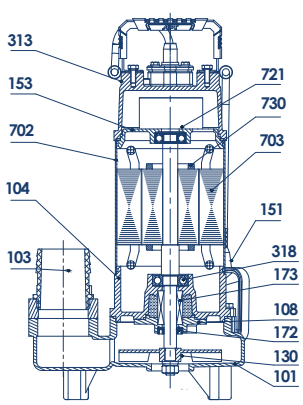
Model	Power		Max Head	Max. Flow	Size	Max. Diameter of Particle	Q(m³/h)	0	4	8	12	16	18	24	30	34	38	42	46
	KW	HP	M	m³/H	mm	mm	Q(L/min)	0	67	133	200	267	300	400	500	567	633	700	767
GV180	0.18	0.25	7.5	8	25/32/40	5		7.5	4.5	3	-	-	-	-	-	-	-	-	-
GV250	0.25	0.35	9	8	25/32/40	5		9	7	3	-	-	-	-	-	-	-	-	-
GV450	0.45	0.6	11	18	50	15		11	9	7	6	5	3	-	-	-	-	-	-
GV750	0.75	1	14	24	50	15		14	13	12	10.5	9	7	4.5	-	-	-	-	-
GV1100	1.1	1.5	17	24	50	15	H(m)	17	16	14	12	10	8	3	-	-	-	-	-
GV1500	1.5	2	17	34	50	15		17	14.5	13	12	11	10.5	8.5	6	3.5	-	-	-
GV1800	1.8	2.5	17	42	80	15		17	15	14	12.5	12	11.5	10	7.5	5	4	2.5	-
GV2200	2.2	3	17.5	46	80	20		17.5	16	15	13	12.	12	10.5	8	6.5	4.5	3	2.5

DIAGRAM



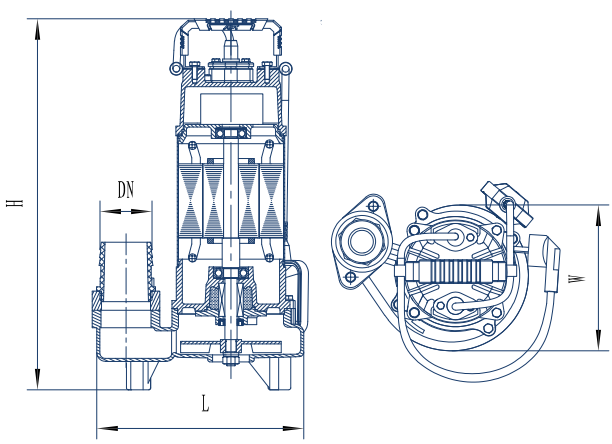
900-1	Hexagon headed bolt	702	Barrel
319	Handle	171-3	O ring
900-2	Hexagon socket head cap screw	900-6	Hexagon headed bolt
713	Cable	930-2	Spring washer
318	Float switch	104	Chamber
718	Cable harness	173	Mechanical seal
309	Cable pressing plate	171-4	O ring
900-3	Hexagon headed bolt	108	Chamber cober
930-1	Spring washer	171-5	O ring
900-4	Slotted cylinder head screw	900-7	Slotted cylinder head screw
171-1	O ring	930-3	Spring washer
313	Top cover	900-8	Hexagon socket head cap screw
724	Terminal Cap	172	Skeleton oil seal
721	Run Capacitor	130	Impeller
171-2	O ring	932	Flat washer
900-5	Cross recessed round head screw with washer	930-4	Spring washer
931	External tooth lock washer	900-9	Slotted hexagon nut
170-1	Gasket	171-6	O ring
153	Upper bearing seat	101	Pump body
951	Wave washer	170-2	Gasket
151-1	Deep groove ball bearings	103	Outlet
730	Rotor assembly	930-5	Spring washer
151-2	Deep groove ball bearings	900-10	Hexagon headed bolt
940	Key	171-7	O ring
703	Stator core with winding	536	Outlet section

Product parameters



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
101	PUmp bo dy	Cast iron
103	o utl et	Cast iron
104	Oil chamber	Cast iron
108	Oil chamber cover	Cast iron
130	impell er	Cast iron
151	bear ing	6203-2RZ
153	upper bear ing seat	Cast iron
172	Skel et on oil seal	Rubber NBR
173	MECHANICAL SEAL	Ceramic - graphite / Ceramic-Silicon Carbide
313	to p c o v er	Cast iron
318	Fl oat switch	Water pump level protector
702	bar r el	Stainless steel
703	Stator	Stator core with winding
721	r un Capacitor	Electronic device
730	r otor assembly	Cast Aluminum Rotor

product dimensions



Model	DN	L(mm)	W(mm)	H(mm)
GV180	1" / 1 ¼" /1 ½"	168	120	370
GV250	1" / 1 ¼" /1 ½"	168	120	380
GV450	2"	168	160	426
GV750	2"	230	160	426
GV1100	2"	230	180	492
GV1500	2"	281	176	522
GV1800	3"	305	189	540
GV2200	3"	305	189	540

GV-K Drainage Pump

Capacity up to 667 L/min(40m³ /h)

Head up to 15 m

APPLICATION LIMITS

5 m maximum immersion depth
Maximum liquid temperature up to+35°C
Maximum ambient temperature up to +40°C

Irrigation Industry Municipal

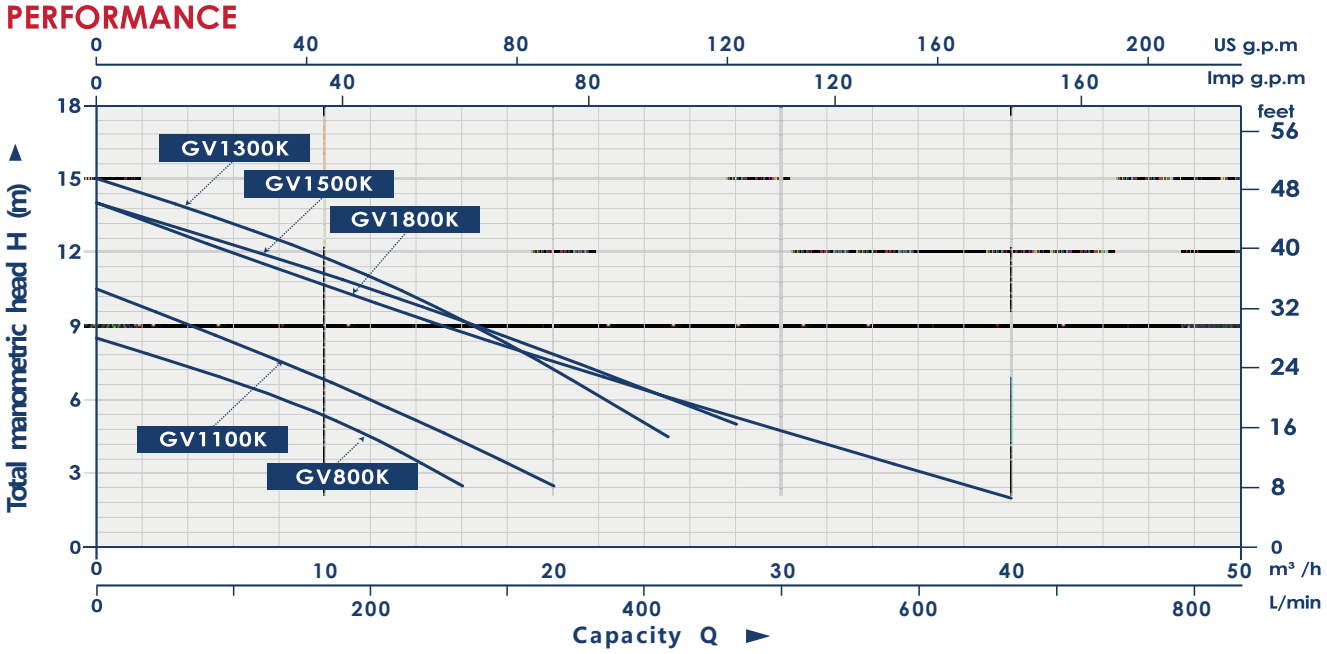
INSTALLATION & USE

This model of submersible pump comes equipped with a cutting system designed for efficiently handling dirty water in both industrial and civil environments.
It features a robust cast iron impeller, ensuring reliable performance.
The pumps are equipped with overload protection for enhanced safety and durability.
They are highly recommended for various applications, such as pumping wastewater from factories and construction sites and commercial facilities, as well as for drainage systems in municipal sewage treatment plants.
Additionally, it is suitable for use in residential areas municipal projects methane pools and rural field irrigation.
Designed to handle dirty water containing long fibers or solid debris, easily chops up such materials preventing the impeller from getting clogged.
As a result, these pumps are well suited for use in industrial, mining, and architectural operations.

CONSTRUCTION

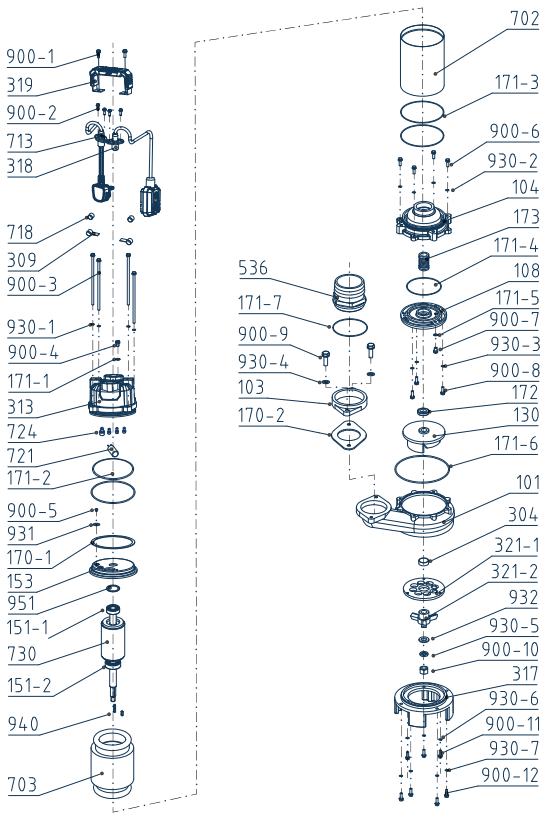
Pump Body:Cast iron.
Impeller:Cast iron with tungsten steel material cutter
Motor Bracket:Stainless steel.
Motor Shaft:Stainless steel.
Mechanical Seal:Ceramic-graphite
Electric Motor:Single-phase 230V-50Hz with condenser thermal overload protector built into the copper winding.
Insulation:Class F.
Protection:IP X8.

PERFORMANCE



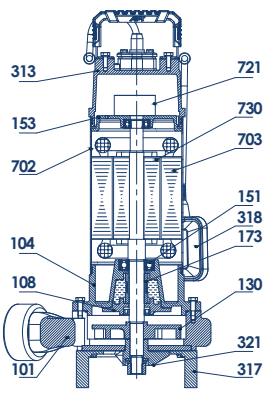
Model	Power		Max Head	Max Flow	Size	Q(m³/h)	0	4	8	12	16	20	25	28	32	36	40
	KW	HP	M	m³/H	mm	Q(L/min)	0	67	133	200	267	333	417	467	533	600	667
GV800K	0.8	1.1	8.5	16	50	H(m)	8.5	-	-	-	-	-	-	-	-	-	-
GV1100K	1.1	1.5	10.5	20	50		10.5	2.5	-	-	2.5	-	-	-	-	-	-
GV1300K	1.3	1.75	15	25	50		15	19.7	15.2	11	19.7	15.2	11	-	-	-	-
GV1500K	1.5	2	14	28	50		14	26.7	23.8	19.3	26.7	23.8	19.3	9.7	-	-	-
GV1800K	1.8	2.5	14	40	80		14	57.8	53.3	49.2	57.8	53.3	49.2	40.7	31.7	22.9	16.1

DIAGRAM



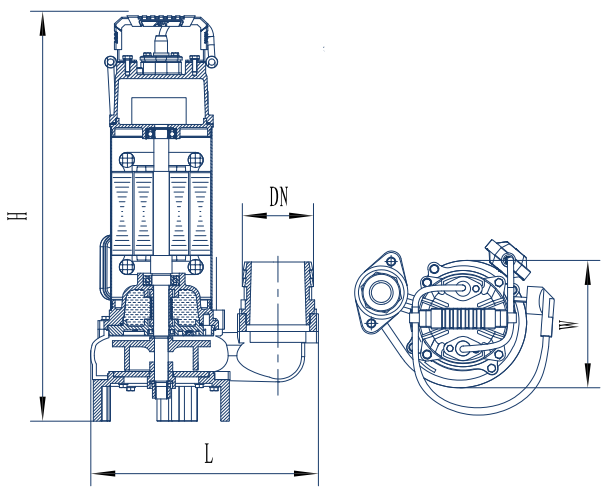
900-1	Hexagon headed bolt
319	Handle
900-2	Hexagon socket head cap screw
713	Cable
318	Float switch
718	Cable harness
309	Cable pressing plate
900-3	Hexagon headed bolt
930-1	Spring washer
900-4	Slotted cylinder head screw
171-1	O ring
313	Top cover
724	Terminal Cap
721	Run Capacitor
171-2	O ring
900-5	Cross recessed round head screw with washer
931	External tooth lock washer
170-1	Gasket
153	Upper bearing seat
951	Wave washer
151-1	Deep groove ball bearings
730	Rotor assembly
151-2	Deep groove ball bearings
940	Key
703	Stator core with winding
702	Barrel
171-3	O ring
900-6	Hexagon headed bolt
930-2	Spring washer
104	Chamber
173	Mechanical seal
171-4	O ring
108	Chamber cober
171-5	O ring
900-7	Slotted cylinder head screw
930-3	Spring washer
900-8	Hexagon socket head cap screw
172	Skeleton oil seal
130	Impeller
171-6	O ring
101	Pump body
170-2	Gasket
103	Outlet
930-4	Spring washer
900-9	Hexagon headed bolt
171-7	O ring
536	Outlet section
304	Shaft sleeve
321-1	Cutter knife
321-2	Fix cutter
932	Flat washer
930-5	Spring washer
900-10	Slotted hexagon nut
317	Base
930-6	Spring washer
900-11	Hexagon headed bolt
930-7	Spring washer
900-12	Hexagon headed bolt

Product parameters



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
101	PUmp bo dy	Cast iron
104	Oil chamber	Cast iron
108	Oil chamber cover	Cast iron
130	impel l er	Cast iron
151	bear i ng	6203-2RZ
153	upper bear i ng seat	Cast iron
173	MECHANICAL SEAL	Ceramic - graphite
313	Top cover	Cast iron
317	Base	Cast iron
318	Fl oat switch	Water pump level protector
321	c utter kn i fe	Stainless steel
702	bar r el	Stainless steel
703	Stat o r	Stator core with winding
721	r un Capac i tor	Electronic device
730	r o tor assembl y	Cast Aluminum Rotor

product dimensions



Model	DN1	L(mm)	W(mm)	H(mm)
GV800K	2"	229	167	445
GV1100K	2"	262	205	460
GV1300K	2"	244	196	479
GV1500K	2"	257	176	520
GV1800K	3"	305	189	543

GP Submersible Pump

Capacity up to 267 L/min (16 m³ /h)

Head up to 12 m

APPLICATION LIMITS

Maximum operating depth 5m below water level
Liquid temperature+35℃
Ambient temperature up to+40℃

Dirty wather | Clean wather | Household | Municipal

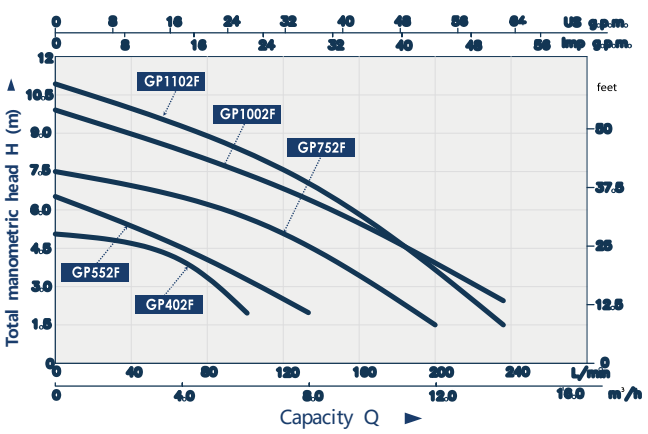
INSTALLATION & USE

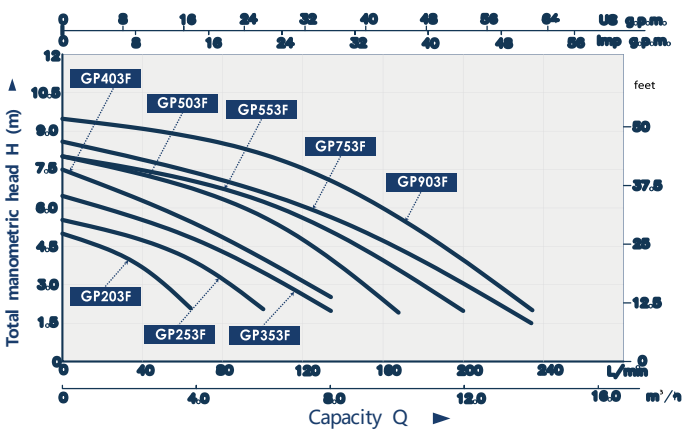
Completely constructed in anti-corrosive materials.
Majorly used for emptying pits and cisterns for gardening.
Suitable for clean water and liquids that does not contain abrasive particles.
As a result of the design solutions which were adopted such as the complete cooling of the motor and the shaft with double seal these pumps are easy and reliable.

CONSTRUCTION

Pump Body:Plastic.
Impeller:Plastic.
Motor Shaft:stainless steel
Mechanical Seal:Ceramic-graphite.
Electric Motor:Single-phase with condenser and thermal overload protector built into the copper winding.
Insulation:Class B.
Protection:IP X8

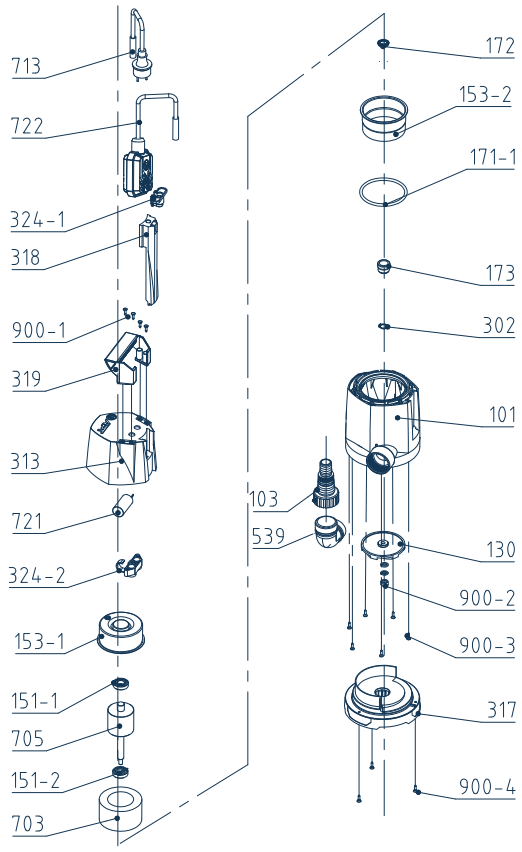
PERFORMANCE





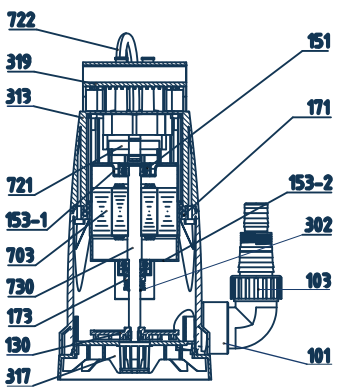
Model	Power		Max Head	Max Flow	Size	Q(m³/h)	0	2	4	6	8	10	12	14
	KW	HP	M	m³/H	Inch	Q(L/min)	0	33	67	100	133	167	200	233
GP402F	0.4	0.55	5	8	1" / 1 ¼" /1 ½"		5	4.2	3.8	2	-	-	-	-
GP552F	0.55	0.75	6.5	11	1" / 1 ¼" /1 ½"		6.5	5.8	4.5	4.5	2	-	-	-
GP752F	0.75	1	7.5	13	1" / 1 ¼" /1 ½"		7.5	7	6.6	5.7	5	3.4	1.5	-
GP1002F	0.9	1.2	10	15	1" / 1 ¼" /1 ½"		10	8.7	8	7.2	6.5	5.8	5	2.6
GP1102F	1.1	1.5	12	16	1" / 1 ¼" /1 ½"	H(m)	11	10.5	9.5	8.5	7.2	6	4	1.5
GP203F	0.2	0.26	5	4	1" / 1 ¼" /1 ½"		5	4	2	-	-	-	-	-
GP253F	0.25	0.34	5.5	6	1" / 1 ¼" /1 ½"		5.5	5	4	2	-	-	-	-
GP353F	0.35	0.47	6.5	9	1" / 1 ¼" /1 ½"		6.5	5.7	4.7	2.5	2	-	-	-
GP403F	0.4	0.55	7.5	9	1" / 1 ¼" /1 ½"		7.5	6.5	5.4	4	2.5	-	-	-
GP503F	0.5	0.7	8	11	1" / 1 ¼" /1 ½"		8	7.3	6.6	5.8	4.5	2	-	-
GP553F	0.55	0.75	8	13	1" / 1 ¼" /1 ½"		8	7.3	6.8	6.1	4.8	3	2	-
GP753F	0.75	1	9	14	1" / 1 ¼" /1 ½"		8.5	8.1	7.7	6.8	5.8	4.8	3	1.5
GP903F	0.9	1.2	9.5	15	1" / 1 ¼" /1 ½"		9.5	9.2	8.7	8	7.2	6	4.8	2

DIAGRAM



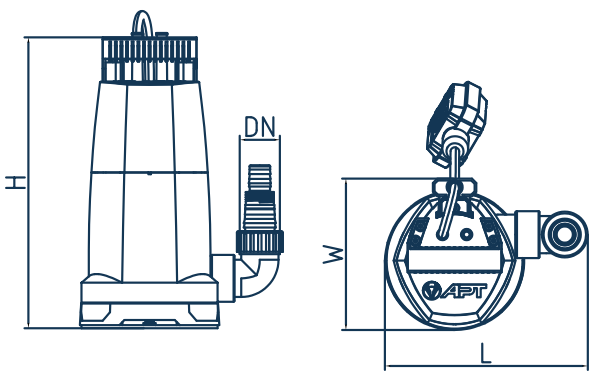
101	Pump body
103	Outlet
130	Impeller
151-1	Deep groove ball bearings
151-2	Deep groove ball bearings
153-1	Upper bearing seat
153-2	Upper bearing seat
171-1	O ring
172	Skeleton oil seal
173	Mechanical seal
302	Retaining ring
313	Top cover
317	Base
318	Switch side cover
319	Handle
324-1	Cable clamp
324-2	Capacitor clamp
539	Elbow
703	Stator core with winding
705	Rotor
713	Cable
721	Capacitor
722	Level switch
900-1	Phillips pan head tapping screw
900-2	Slotted hexagon nut
900-3	Phillips pan head tapping screw
900-4	Phillips pan head tapping screw

Product parameters



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
101	PUmp bo dy	Plastic PP
103	o utl et	Plastic PP
130	Impel l er	Plastic PA+GF20
151	bear i n g	6201
153-1	upper bear i n g seat	Carbon steel
153-2	Lower bear i n g seat	Carbon steel
171	O-r i n g	Rubber NBR
173	MECHANICAL SEAL	Ceramic - graphite
302	r etaining r i n g	Stainless steel
313	To p cover	Plastic PP
317	base	Plastic PP
318	Fl o at switc h	Water pump level protector
319	Handl e	Plastic PP
703	Stat o r	Stator core with winding
721	Capac i to r	Electronic device
730	r o to r	Stainless steel

product dimensions



Model	DN1	L(mm)	W(mm)	H(mm)
GP402F	1" / 1 ¼" /1 ½"	234	175	367
GP552F	1" / 1 ¼" /1 ½"	234	175	367
GP752F	1" / 1 ¼" /1 ½"	234	175	367
GP1002F	1" / 1 ¼" /1 ½"	234	175	367
GP1102F	1" / 1 ¼" /1 ½"	234	175	367
GP203F	1" / 1 ¼" /1 ½"	234	175	336
GP253F	1" / 1 ¼" /1 ½"	234	175	336
GP353F	1" / 1 ¼" /1 ½"	234	175	336
GP403F	1" / 1 ¼" /1 ½"	234	175	336
GP503F	1" / 1 ¼" /1 ½"	234	175	336
GP553F	1" / 1 ¼" /1 ½"	234	175	336
GP753F	1" / 1 ¼" /1 ½"	234	175	336
GP903F	1" / 1 ¼" /1 ½"	234	175	336

GPE Submersible Pump

Capacity up to 233 L/min (14m³ /h)

Head up to 9 m

APPLICATION LIMITS

Maximum operating depth 5m below water level
Liquid temperature+35℃
Ambient temperature up to+40℃

Dirty watwer | Clean watwer | Household | Municipal

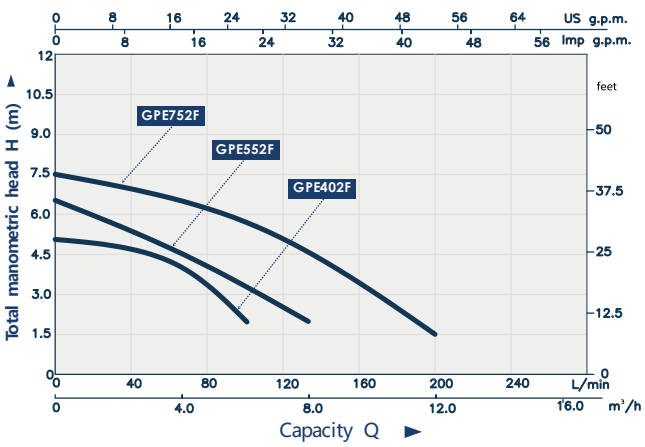
INSTALLATION & USE

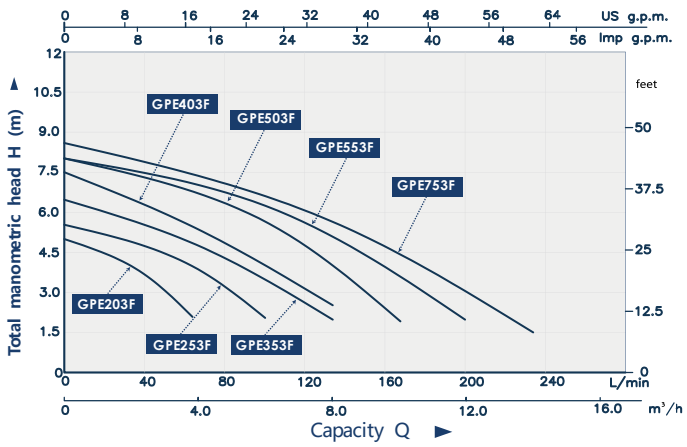
Completely constructed in anti-corrosive materials.
Majorly used for emptying pits and cisterns for gardening.
Suitable for clean water and liquids that does not contain abrasive particles.
As a result of the design solutions which were adopted such as the complete cooling of the motor and the shaft with double seal these pumps are easy and reliable.

CONSTRUCTION

Pump Body:Plastic.
Impeller:Plastic.
Motor Shaft:stainless steel
Mechanical Seal:Ceramic-graphite.
Electric Motor:Single-phase with condenser and thermal overload protector built into the copper winding.
Insulation:Class B.
Protection:IP X8

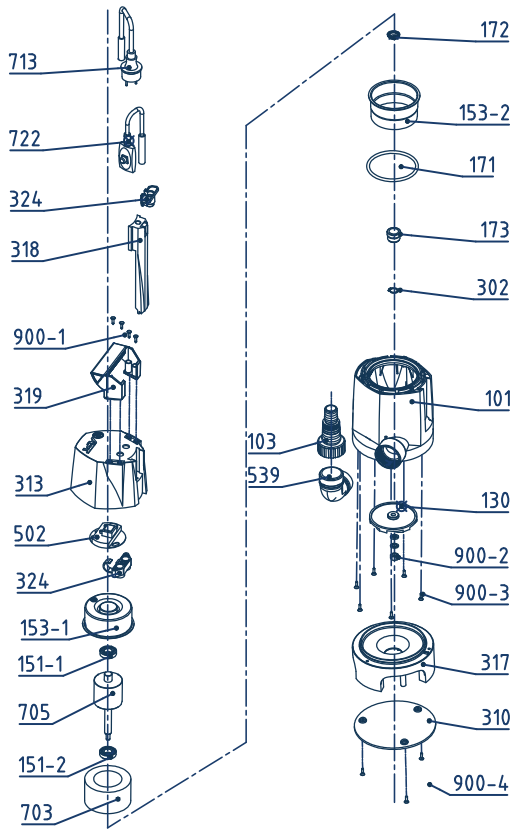
PERFORMANCE





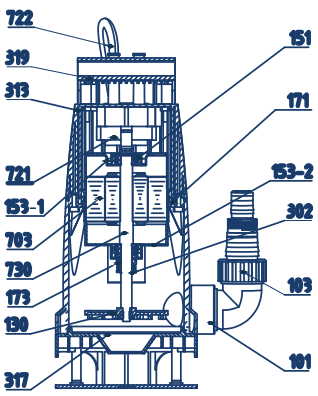
Model	Power		Max Head	Max Flow	Size	Q(m³/h)	0	2	4	6	8	10	12	14
	KW	HP	M	m³/H	Inch	Q(L/min)	0	33	67	100	133	167	200	233
GPE402F	0.4	0.55	5	8	1" / 1 ¼" /1 ½"	H(m)	5	4.2	3.8	2	-	-	-	-
GPE552F	0.55	0.75	6.5	11	1" / 1 ¼" /1 ½"		6.5	5.8	4.5	4.5	2	-	-	-
GPE752F	0.75	1	7.5	13	1" / 1 ¼" /1 ½"		7.5	7	6.6	5.7	5	3.4	1.5	-
GPE203F	0.2	0.26	5	4	1" / 1 ¼" /1 ½"		5	4	2	-	-	-	-	-
GPE253F	0.25	0.34	5.5	6	1" / 1 ¼" /1 ½"		5.5	5	4	2	-	-	-	-
GPE353F	0.35	0.47	6.5	9	1" / 1 ¼" /1 ½"		6.5	5.7	4.7	2.5	2	-	-	-
GPE403F	0.4	0.55	7.5	9	1" / 1 ¼" /1 ½"		7.5	6.5	5.4	4	2.5	-	-	-
GPE503F	0.5	0.7	8	11	1" / 1 ¼" /1 ½"		8	7.3	6.6	5.8	4.5	2	-	-
GPE553F	0.55	0.75	8	13	1" / 1 ¼" /1 ½"		8	7.3	6.8	6.1	4.8	3	2	-
GPE753F	0.75	1	9	14	1" / 1 ¼" /1 ½"		8.5	8.1	7.7	6.8	5.8	4.8	3	1.5

DIAGRAM



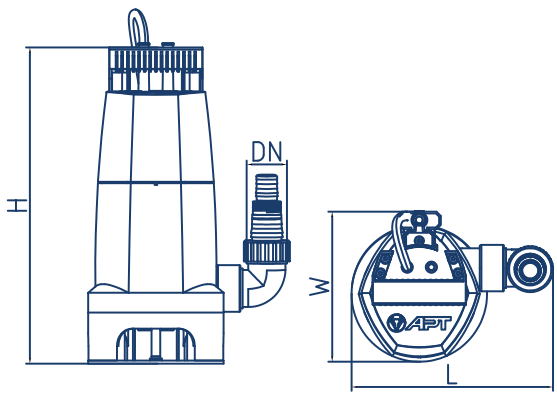
101	Pump body
103	Outlet
130	Impeller
151-1	Deep groove ball bearings
151-2	Deep groove ball bearings
153-1	Upper bearing seat
153-2	Upper bearing seat
171	O ring
172	Skeleton oil seal
173	Mechanical seal
302	Retaining ring
310	Base plate
313	Top cover
317	Base
318	Switch side cover
319	Handle
324	Cable clamp
324	Capacitor clamp
502	Control panel
539	Elbow
703	Stator core with winding
705	Rotor
713	Cable
722	Level switch
900-1	Phillips pan head tapping screw
900-2	Slotted hexagon nut
900-3	Phillips pan head tapping screw
900-4	Phillips pan head tapping screw

Product parameters



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
101	PUmp bo dy	Plastic PP
103	o utl et	Plastic PP
130	Impel l er	Plastic PA+GF20
151	bear i ng	6201
153-1	upper bear i ng seat	Carbon steel
153-2	Lower bear i ng seat	Carbon steel
171	O-r i ng	Rubber NBR
173	MECHANICAL SEAL	Ceramic - graphite
302	r etaining r i ng	Stainless steel
313	To p cover	Plastic PP
317	base	Plastic PP
319	Handl e	Plastic PP
703	Stat o r	Stator core with winding
721	Capac i to r	Electronic device
722	l evel switch	Water pump level protector
730	r o t o r	Stainless steel

product dimensions



Model	DN1	L(mm)	W(mm)	H(mm)
GPE402F	1" / 1 ¼" /1 ½"	234	175	367
GPE552F	1" / 1 ¼" /1 ½"	234	175	367
GPE752F	1" / 1 ¼" /1 ½"	234	175	367
GPE203F	1" / 1 ¼" /1 ½"	234	175	336
GPE253F	1" / 1 ¼" /1 ½"	234	175	336
GPE353F	1" / 1 ¼" /1 ½"	234	175	336
GPE403F	1" / 1 ¼" /1 ½"	234	175	336
GPE503F	1" / 1 ¼" /1 ½"	234	175	336
GPE553F	1" / 1 ¼" /1 ½"	234	175	336
GPE753F	1" / 1 ¼" /1 ½"	234	175	336

QDX Submersible Pump

Capacity up to 117 L/h(7 m3/h)

Head up to 34 m

APPLICATION LIMITS

Maximum operating depth 5m below water level
Liquid temperature+35℃
Ambient temperature up to+40℃
The maximum diameter of particles that can pass through:=2mm

Irrigation Industry Municipal

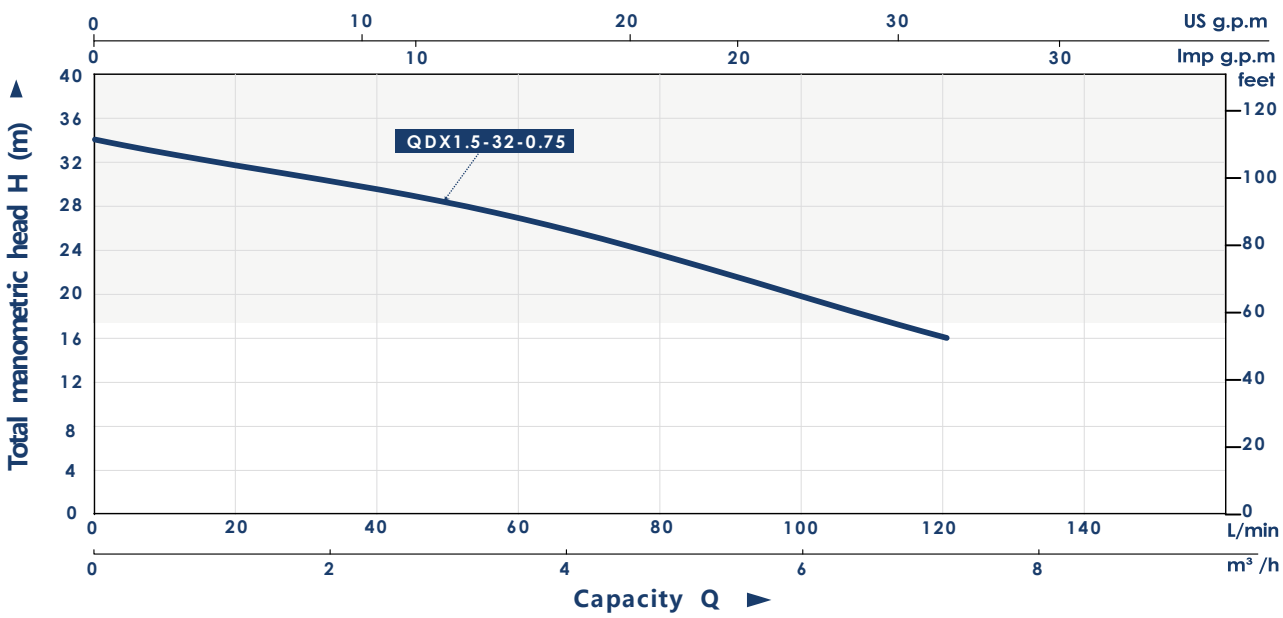
INSTALLATION & USE

Manufactured from heavy duty cast iron offering exceptional sturdiness, abrasion resistance and durability, are suitable for pumping clear or slightly dirty water.
QDX series submersible pumps with lower water input are widely suitable for water cluster boxes, farmlands, industrial and mining enterprises, construction sites, ships, and homes.
Characterized by less volume, light weight, and convenient operation.
Has a float switch to enable automatic control.
Built-in thermal protector, which can be automatically cut-off in the case of overheat or overload, thus assuring safe and reliable operation under challenging circumstances.

CONSTRUCTION

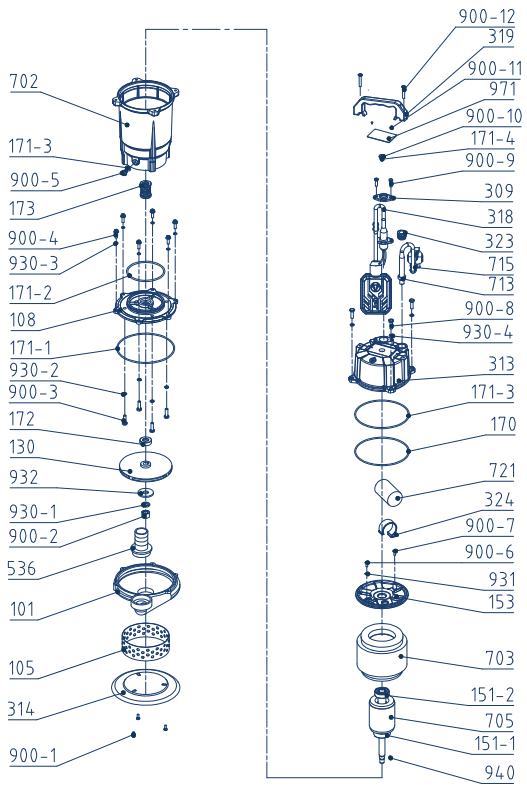
Pump Body: Aluminum and cast iron
Impeller: Aluminum or POM
Motor Shaft: stainless steel
Mechanical Seal: Ceramic - graphite, ceramic - ceramic
Electric Motor: QDX single-phase 230V-50Hz with thermal overload protector built into the copper winding; QX three-phase 380/400V-50Hz.
Insulation:Class B.
Protection:IP X8

PERFORMANCE



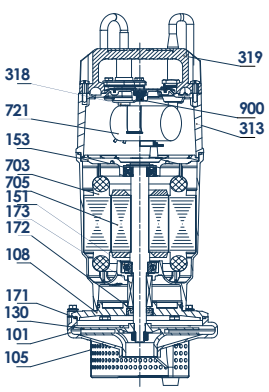
Model	Power		Max Head	Max. Flow		Size	Max. Diameter of Particle	Q(m³/h)	0	1	2	3	4	5	6	7
	KW	HP	M	L/min	m³/H	Inch	mm	Q(L/min)	0	17	33	50	67	83	100	117
QDX1.5-32-0.75	0.75	1	34	117	7	1"	2	H(m)	34	32	31	28.5	26	24	20	16

DIAGRAM



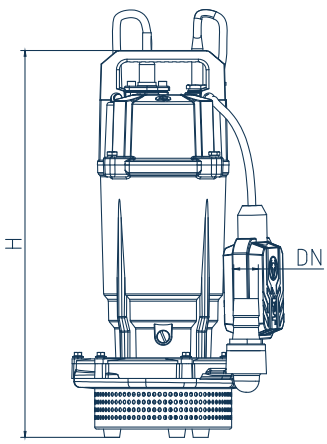
101	Pump body	705	Rotor
105	Net cover	713	Cable
108	Oil chamber cover	715	Cable sheath
130	Impeller	721	Capacitor
151-1	Deep groove ball bearings	900-1	Phillips pan head screw
151-2	Deep groove ball bearings	900-2	Lock nut
153	Upper bearing seat	900-3	Hexagon headed bolt
170	Rubber gasket	900-4	Hexagon headed bolt
171-1	O ring	900-5	Vent cock
171-2	O ring	900-6	Phillips pan head screw
171-3	O ring	900-7	Phillips pan head screw
171-4	O ring	900-8	Hexagon headed bolt
172	Skeleton oil seal	900-9	Hexagon headed bolt
173	Mechanical seal	900-10	Vent cock
309	Cable pressing plate	900-11	Nylon rivet
313	Bottom cover	900-12	Phillips pan head screw
314	Top cover	930-1	Spring washer
318	Float switch	930-2	Spring washer
319	Handle	930-3	Spring washer
323	Cable gland	930-4	Spring washer
324	Capacitor clamp	931	External tooth lock washer
536	Outlet section	932	Flat washer
702	Barrel	940	Key
703	Stator core with winding	971	Nameplate

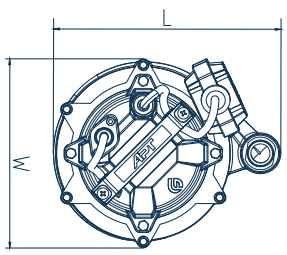
Product parameters



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
101	PUmp bo dy	Aluminum
105	Net c o ver	Stainless steel
108	oil chamber cover	Aluminum
130	Impel l er	Aluminum
151	bear in g	6202 -2RZ
153	Lower bear in g seat	Aluminum
171	O-r in g	Rubber NBR
172	skel e ton oil seal	Rubber NBR
173	MECHANICAL SEAL	Ceramic - graphite
313	To p cover	Aluminum
318	Fl o at switch	Water pump level protector
319	Han d l e	PVC
703	Stator	Stator core with winding
705	r o t o r	Stainless steel
721	Ca p acito r	Electronic device
900	Ven t c o ck	Stainless steel

product dimensions





Model	DN	L(mm)	W(mm)	H(mm)
QDX1.5-32-0.75	1"	236	196	401

Accessories Control

INSTALLATION & USE

This controller is of high quality, multi-functional, low noise, and robust. It assures reliability and efficiency.
Automatically starts/stops the pump.
Stops the pump in the case of water shortage.
If the power cuts off, it restarts the pump automatically when the power is back on.
Suitable for hotels, apartment, residentials, community areas, high rise-building, orchard, offices, water treatment equipment etc.,

SPECIFICATIONES

Model	Voltage	Starting Pressure	Current	size	Protection Class	G/W	N/W
			A	Inch		kg	kg
GFAm1	220-240V/110-115V	1.5/2.28/3.5ar	10A	1"x1"	IP65	1.4	1.1

Accessories Control

INSTALLATION & USE

This controller is of high quality, multi-functional, low noise, and robust. It assures reliability and efficiency.
Automatically starts/stops the pump.
Stops the pump in the case of water shortage.
If the power cuts off, it restarts the pump automatically when the power is back on.
Suitable for hotels, apartment, residentials, community areas, high rise-building, orchard, offices, water treatment equipment etc.,

SPECIFICATIONES

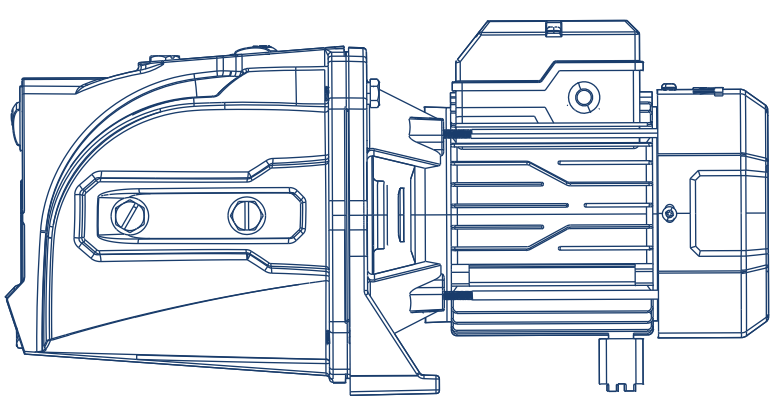
Model	Voltage	Starting Pressure	Current	size	Protection Class	G/W	N/W
			A	Inch		kg	kg
GFAm20	90-260V	1.0~6Bar	10A	1"x1"	IP65	2.3	2.5

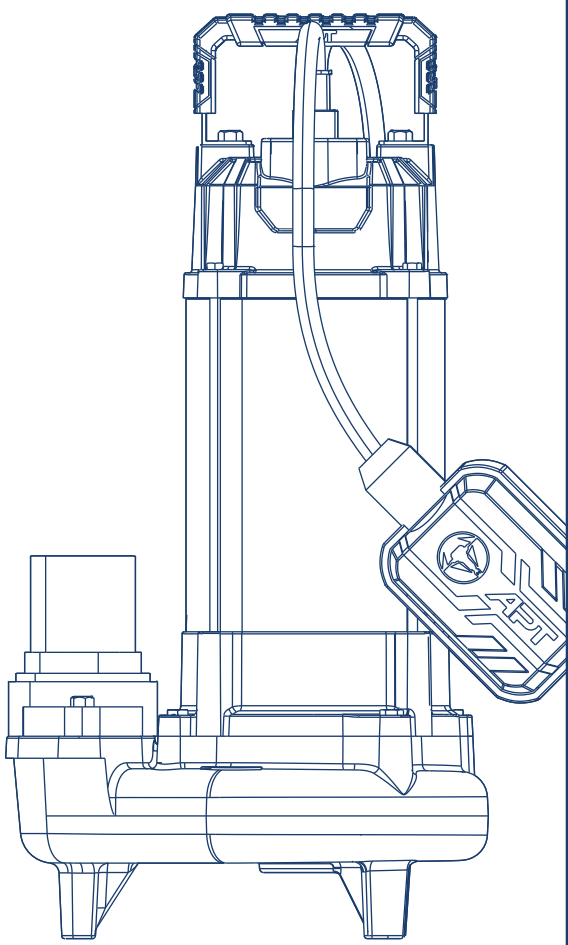
FEATURES

- Sleep function: when no water is consumed, the pump decelerates to the down limit and after a detection then sleep. Until the pressure reaches below the setting, then the pump starts automatically.
- Restart after power on: If the power cuts off, it restarts the pump automatically when the power is back on.
- Terminal run/stop: The controller can be connected to external switch via terminals. When the switch is on, the pump runs and maintains a constant pressure. When switched off, pump stopped.
- Simple installation and requires no maintenance.
- Electrical fault protection: When any kind of overload occurs, the controller will stop automatically.

Accessories Control

Model	Voltage	Cable Size	Current
			A
FL0-1	220V-240V	3*0.75mm²/3*1.0mm²/3*1.55mm² 45cm/60cm/75cm/2m/3m/5m/10m	16(12)A





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