



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



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.

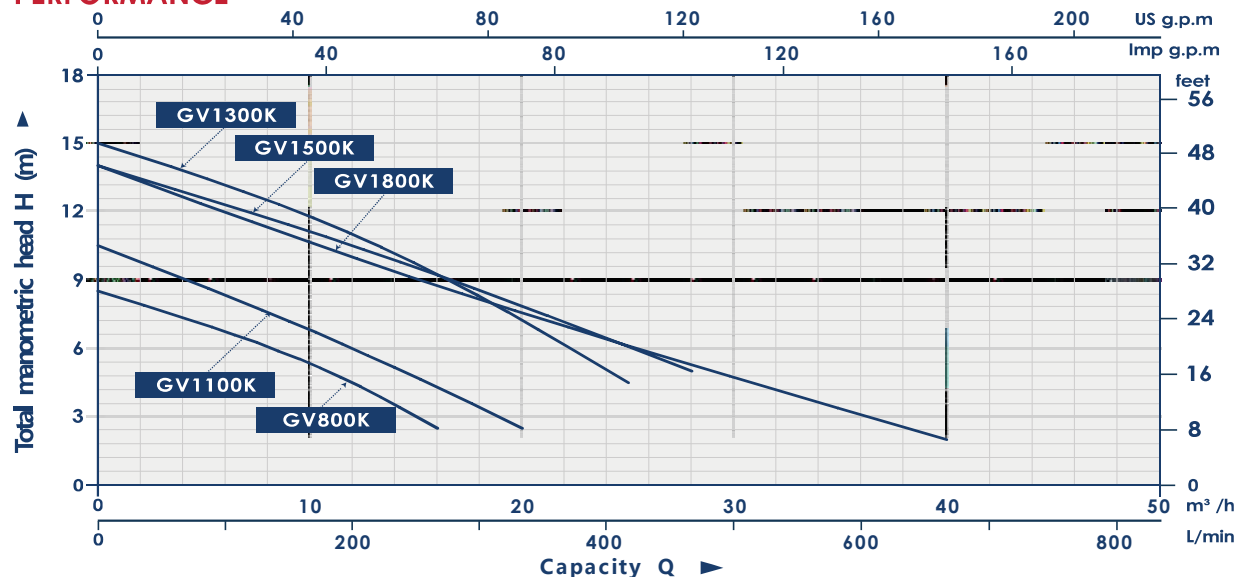
Mechanical Seal: Ceramic-graphite

Electric Motor: Single-phase 230V-50Hz with condenser thermal overload protector built into the copper winding.

Insulation: Class F.

Protection: IP X8.

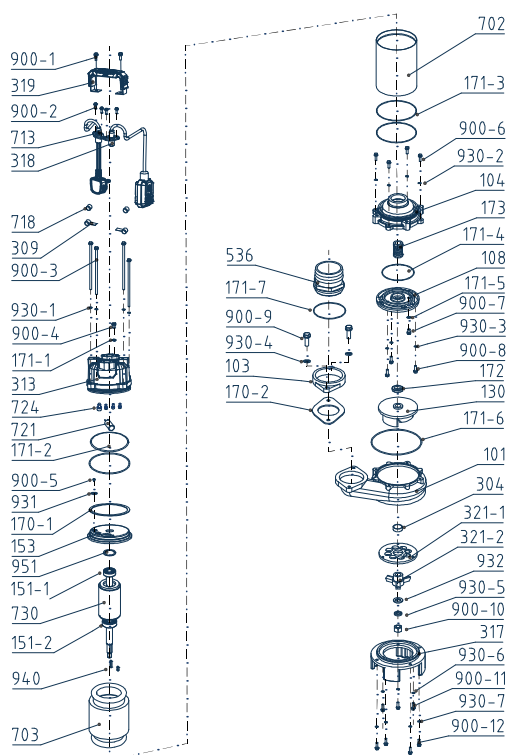
PERFORMANCE



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

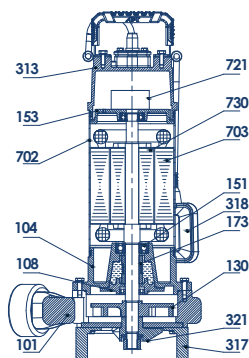
Submersible Pumps

DIAGRAM



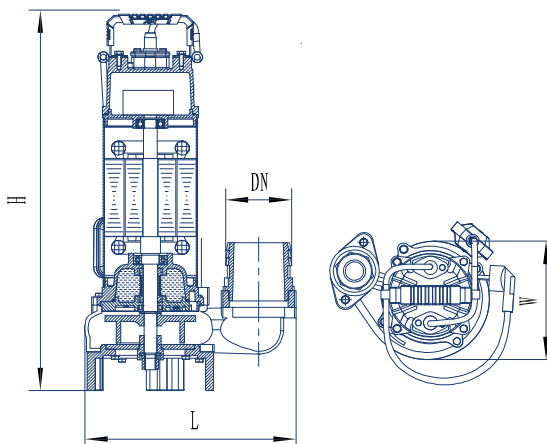
900-1	Hexagon headed bolt	104	Chamber
319	Handle	173	Mechanical seal
900-2	Hexagon socket head cap screw	171-4	O ring
713	Cable	108	Chamber cover
318	Float switch	171-5	O ring
718	Cable harness	900-7	Slotted cylinder head screw
309	Cable pressing plate	930-3	Spring washer
900-3	Hexagon headed bolt	900-8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

Product parameters



POS.	COMPONENT	CONSTRUCTION CHARACTERISTICS
101	Pump body	Cast iron
104	Oil chamber	Cast iron
108	Oil chamber cover	Cast iron
130	Impeller	Cast iron
151	Bearing	6203-2RZ
153	Upper bearing seat	Cast iron
173	MECHANICAL SEAL	Ceramic - graphite
313	Top cover	Cast iron
317	Base	Cast iron
318	Float switch	Water pump level protector
321	Cutter knife	Stainless steel
702	Barrel	Stainless steel
703	Stator	Stator core with winding
721	Run Capacitor	Electronic device
730	Rotor assembly	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