



STAINLESS STEEL SUBMERSIBLE SEWAGE PUMPS

High performance. Corrosion resistant.
Built for the toughest environments.



CORROSION
RESISTANT



HIGH
PERFORMANCE



RELIABLE
DURABILITY



EASY
MAINTENANCE

ENGINEERED TO PERFORM.
BUILT TO LAST.



MUNICIPAL



INDUSTRIAL



CONSTRUCTION



COMMERCIAL

ROBUST TECHNOLOGY.
SUPERIOR RESULTS.



Product Overview

- National standard flange WQ(D)-S stainless steel precision casting sewage sewage submersible pump adopts stainless steel precision casting shell, which has the characteristics of corrosion resistance, environmental protection, high lift and large flow.
- The oil chamber adopts fluorine rubber double-sided mechanical seal, and the outer chamber adopts a single-sided fluorine rubber mechanical oil seal structure, which effectively reduces the sealing water problem caused by the friction between the skeleton oil seal and the shaft.
- The motor adopts high temperature wire, F-class insulation, and thermal protection device, which effectively prolongs the service life of the pump.
- According to the customer's requirements, it can be equipped with a stirring device, which generates a strong stirring force with the rotation of the motor shaft, and mixes the sediment in the sewage tank into a suspended substance and then discharges it. It can also be equipped with a cutting device, which can discharge long fibers, plastics, paper bags, straws and other debris in the sewage.



The Main Purpose

It is suitable for building buildings, hospitals, residential areas, municipal engineering, road traffic and construction, factory sewage, breeding, pharmaceuticals, beverages, sea water, salt water, solid particles contained in general corrosive media, long fiber wastewater, and sewage.

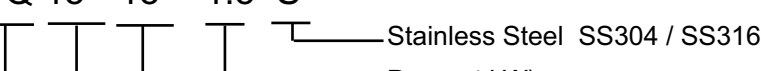
Conditions Of Use

- Based on the center of the impeller, the submerged depth shall not exceed 5m;
 - The temperature of the conveying medium is not higher than 60°C ;
 - The PH value of the conveying medium is 304 (4-10), 316 (4-13);
 - The kinematic viscosity of the conveying medium is $7 \cdot 10^{-7} \sim 23 \cdot 10^{-6} \text{ m}^2/\text{S}$
- Please refer to P38-40 for details on the corrosion resistance of product materials



Model Description

50 WQ 15 - 15 - 1.5 S



Stainless Steel SS304 / SS316 / SS316L

Power (kW)

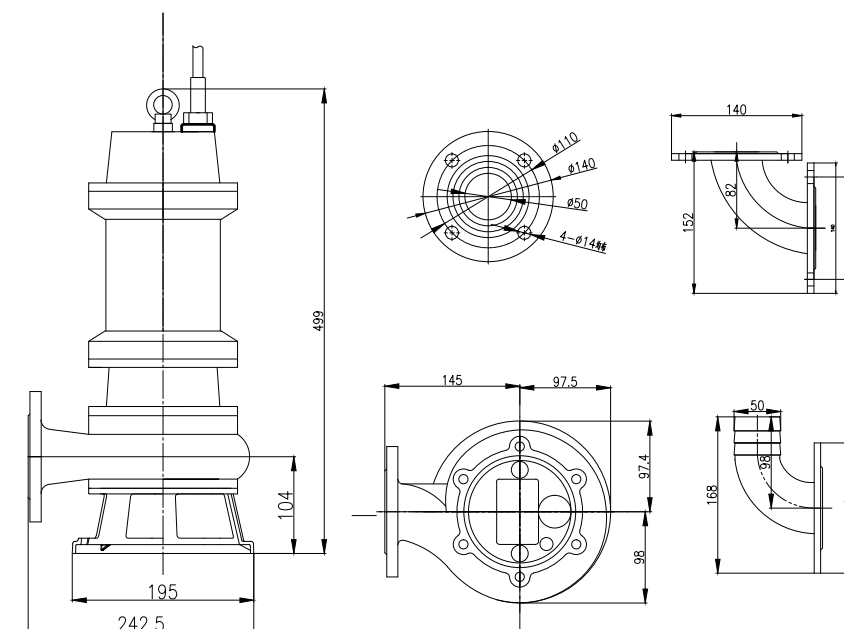
Rated Head(m)

Rated Flow (m³/h)

Pump Name

Outlet Size (mm)

Pump Drawing



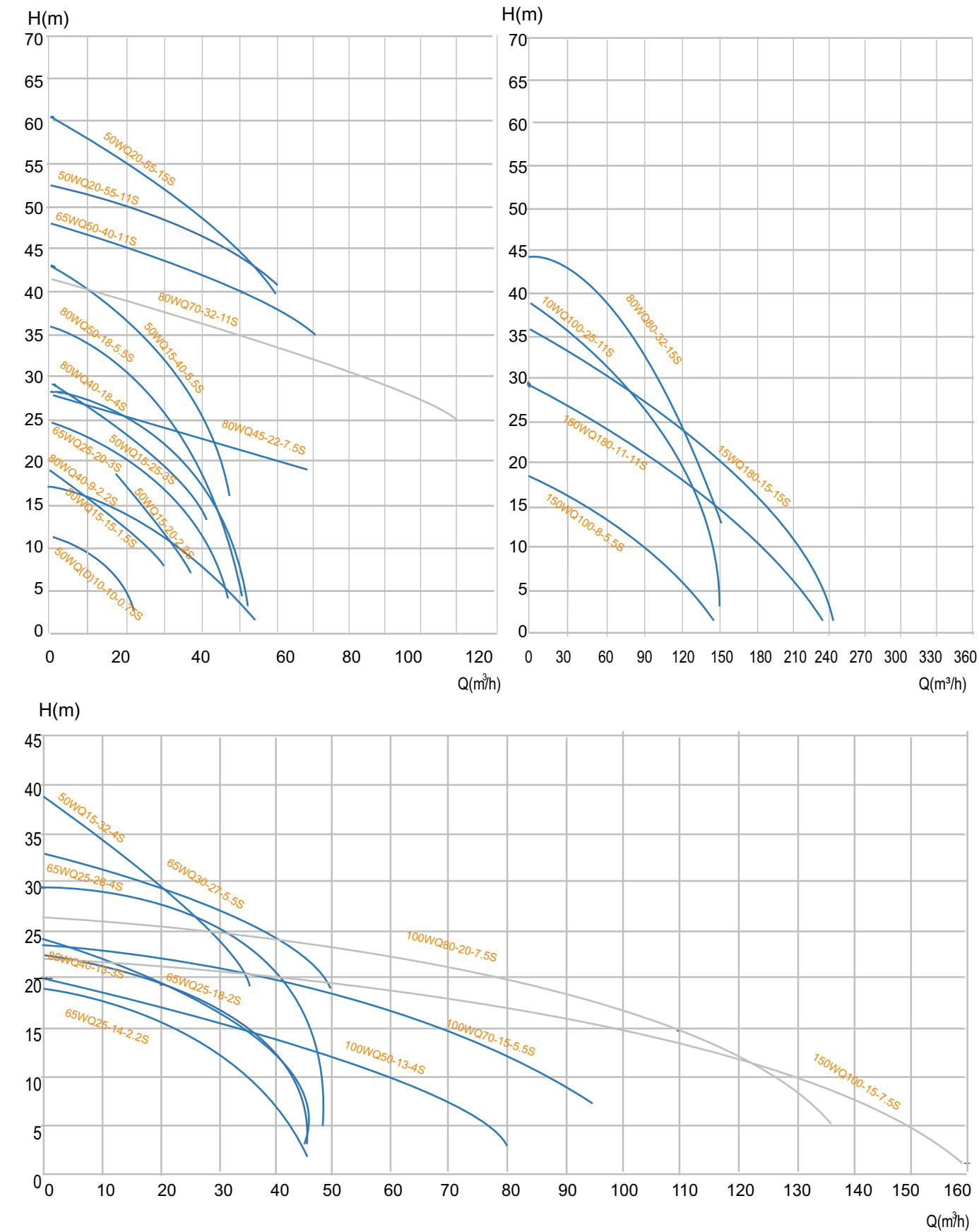
Pump Model

Model	Rated Flow (m³/h)	Rated head (m)	Power (kw)	Voltage (v)	Speed (r/min)	Dimensions (mm)								Gross weight (kg)	Packing size length * width * height (cm)
						H	H1	H2	D2	B2	B3	L5	d		
50WQ(D)10-10-0.75s	10	10	0.75	220/380	2850	520	350	120	215	245	340	210	50	26	54*22*25
50WQ(D)7-15-1.1S	7	15	1.1	220/380	2850	540	370	120	215	245	340	210	50	28	58*22*26
50WQ15-15-1.5S	15	15	1.5	220/380	2850	540	370	120	215	260	355	225	50	31.5	58*22*26
65WQ25-7-1.5S	25	7	1.5	220/380	2850	535	365	120	215	245	350	217	65	32	58*22*26
50WQ15-20-2.2S	15	20	2.2	380	2850	555	385	120	215	245	340	215	50	36.5	58*22*26
65WQ25-14-2.2S	25	14	2.2	380	2850	555	385	120	215	245	350	217	65	38.5	58*22*26

Pump Dimension

Product Model (Secondary MotorType)	Rated Flow (m³/h)	Rated head (m)	Power (kw)	Voltage (v)	Speed (r/min)	Dimensions (mm)								Gross weight (kg)	Packing size length * width * height (cm)
						H	H1	H2	D2	B2	B3	L5	d		
80WQ40-9-2.2S	40	9	2.2	380	2850	555	385	120	215	263	388	231	80	40.5	58*22*26
50WQ15-25-3S	15	25	3	380	2850	605	435	130	230	255	350	225	50	43	63*24*28
65WQ25-18-3S	25	18	3	380	2850	605	435	130	230	265	370	227	65	44	63*24*28
80WQ40-13-3S	40	13	3	380	2850	605	435	130	230	275	400	245	80	45	63*24*28
50WQ15-32-4S	15	32	4	380	2850	670	480	155	270	330	425	260	50	55.5	72*28*33
65WQ25-26-4S	25	26	4	380	2850	670	480	155	270	330	435	262	65	57.5	72*28*33
80WQ40-18-4S	40	18	4	380	2850	670	480	155	270	330	455	280	80	61.5	72*28*33
100WQ50-13-4S	50	13	4	380	2850	680	490	160	270	330	480	302	100	64.5	72*28*33
50WQ15-40-5.5S	15	40	5.5	380	2850	730	530	155	270	330	435	260	50	66	72*28*33
50WQ25-32-5.5S	25	32	5.5	380	2850	730	530	155	270	330	425	260	50	66.5	72*28*33
65WQ30-27-5.5S	30	27	5.5	380	2850	730	530	155	270	330	435	260	65	68	80*28*33
80WQ50-18-5.5S	50	18	5.5	380	2850	730	530	155	270	330	455	280	80	73	80*28*33
100WQ70-15-5.5S	70	15	5.5	380	2850	740	540	160	270	330	480	302	100	76	80*28*33
150WQ100-8-5.5S	100	8	5.5	380	2850	760	560	175	280	368	560	350	150	81	86x35x40
50WQ20-40-7.5S	20	40	7.5	380	2850	810	640	200	315	325	410	258	50	91	86x35x40
65WQ30-32-7.5S	30	32	7.5	380	2850	810	640	200	315	325	420	260	65	93	86x35x40
80WQ45-22-7.5S	45	22	7.5	380	2850	820	650	210	315	360	485	315	80	95	86x35x40
100WQ80-20-7.5S	80	20	7.5	380	2850	820	650	210	315	360	510	335	100	96	86x35x40
150WQ100-15-7.5S	100	15	7.5	380	2850	820	650	215	315	395	590	360	150	98	86x35x40
50WQ20-50-11S	20	50	11	380	2850	810	640	200	315	325	410	258	50	103	40x35*96
65WQ50-40-11S	50	40	11	380	2850	810	640	200	315	325	410	258	65	106	40x35*97
80WQ70-35-11S	70	35	11	380	2850	820	650	210	315	360	485	315	80	107	40x35*98
100WQ100-25-11S	100	25	11	380	2850	820	650	210	315	360	510	335	100	108	40x35*99
150WQ180-11-11S	180	11	11	380	2850	820	650	215	315	395	590	360	150	110	40x35*100
50WQ20-55-15S	20	55	15	380	2850	810	640	200	315	325	410	258	50	111	40x35*101
65WQ45-50-15S	45	50	15	380	2850	810	640	200	315	325	410	258	65	114	40x35*102
80WQ80-32-15S	80	32	15	380	2850	820	650	120	315	360	485	315	80	115	40x35*103
100WQ120-25-15S	120	25	15	380	2850	820	650	210	315	360	510	335	100	116	40x35*104
150WQ180-15-15S	180	15	15	380	2850	820	650	215	315	395	590	360	150	118	40x35*105

Performance Curve



product description

WQ(D)-SQG submersible sewage pump with cutting device has a particularly strong discharge capacity, The tape has good cutting performance. It can shred the long fibers, plastics, paper, tape, cloth strips, straw, rope and other impurities in the sewage and then discharge them. The most advanced method is adopted to design the most reasonable hydraulic characteristics, so that the electric pump can be Full head operation, the best combination of excellent dry-type motor and water pump. The electric pump uses a high-quality silicon carbide fluorine glue machine.

- The combined surface of the double-end mechanical seal and the skeleton oil seal shall not exceed 1/2 of the height of the motor, and the temperature of the pumped dirt shall not exceed 40°C. This series of sewage and sewage diving sewage is mainly used to discharge domestic waste water, sewage, human feces and urine, and solid suspended solids and non-corrosive media containing short fiber paper chips, wood dust, silt, ore particles, etc. The temperature of the pumped liquid is not Above 40°C, the density is not more than 1200kg/m³, and the PH value is 59. The sewage pump adopts double mechanical seal and open impeller.
- 20 Alloy cutter heads and impellers made of chromium, nickel and molybdenum are wear-resistant, non-clogging, non-winding, small in size, compact in structure, and convenient to carry.



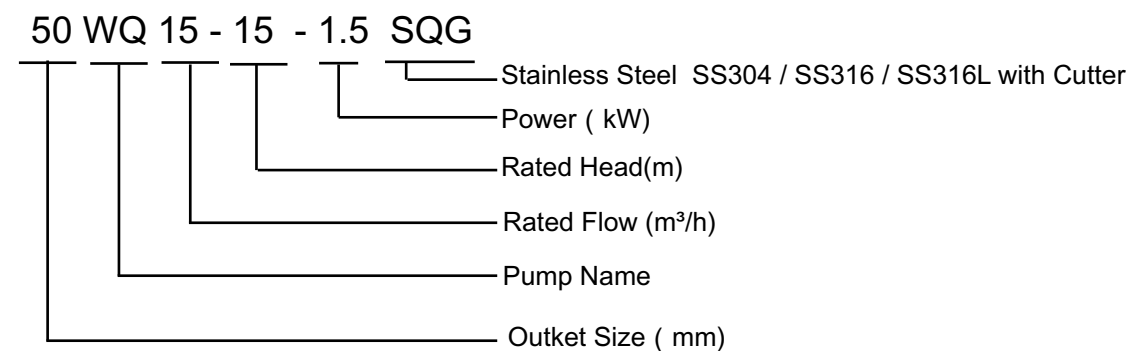
Application

WQ-SQG band cutting device submersible sewage pump is mainly used for engineering sewage and domestic sewage.

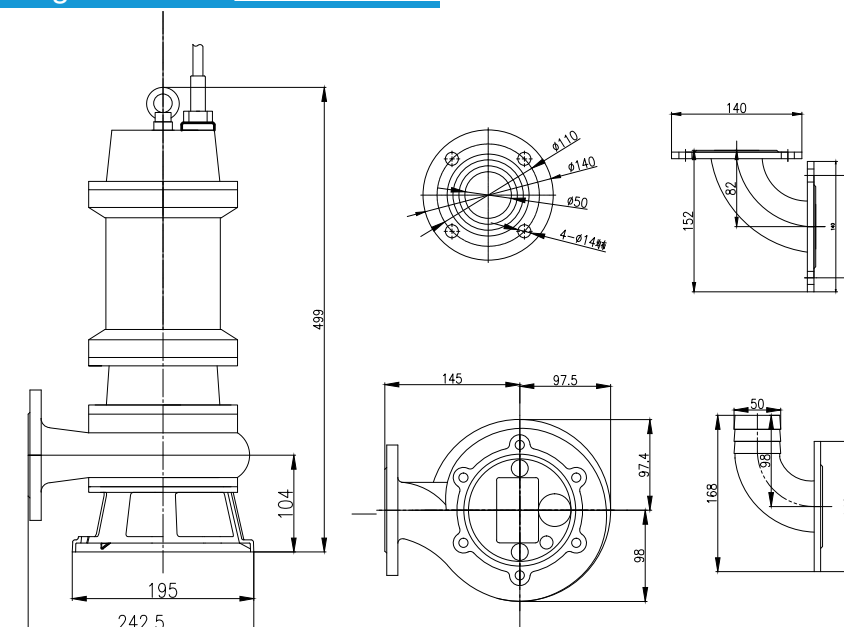
- Used in construction sites, engineering foundation construction, municipal facilities, and waterworks.
- Sewage discharge from the basements of various high-rise buildings, air defense potholes, subways and other underground layers.
- Sewage treatment and circulating water transportation for small and medium-sized enterprises.
- Slag slurry pumping from factories and mines such as food, paper, brewing, steel and non-ferrous metals, tanning, textiles, pharmaceuticals, cement plants, etc.
- Chicken farms, pig farms, various breeding industries, fish ponds for pumping water and clearing ponds, septic tanks and other occasions for human and animal excrement and urine pumping.



Model Description



Punp Drawing



Pump Model

Model	Rated FLOW	Rated Head	Power	Voltage	Speed	Outlet Size	Packing Dimension
	m³/h	m	kW	V	rpm	mm	cm
50WQ(D)10-10-0.75 SQG	10	10	0.75	220/380	2850	50	54*22*25
50WQ(D)10-13-1.1SQG	10	13	11	220/380	2850	50	58*22*26
50WQ(D)15-13-1.5SQG	15	13	1.5	220/380	2850	50	58*22*26
65WQ(D)25-7-1.5SQG	25	7	1.5	220/380	2850	65	58*22*26
50WQ(D)15-18-2.2SQG	15	18	2.2	220/380	2850	50	58*22*26
65WQ(D)25-13-2.2SQG	25	13	2.2	220/380	2050	65	58*22*25
80WQ(D)35-9-2.2SQG	35	9	2.2	220/380	2850	80	58*22*26
50WQ15-25-3SQG	15	25	3	380	2850	50	64*24*28

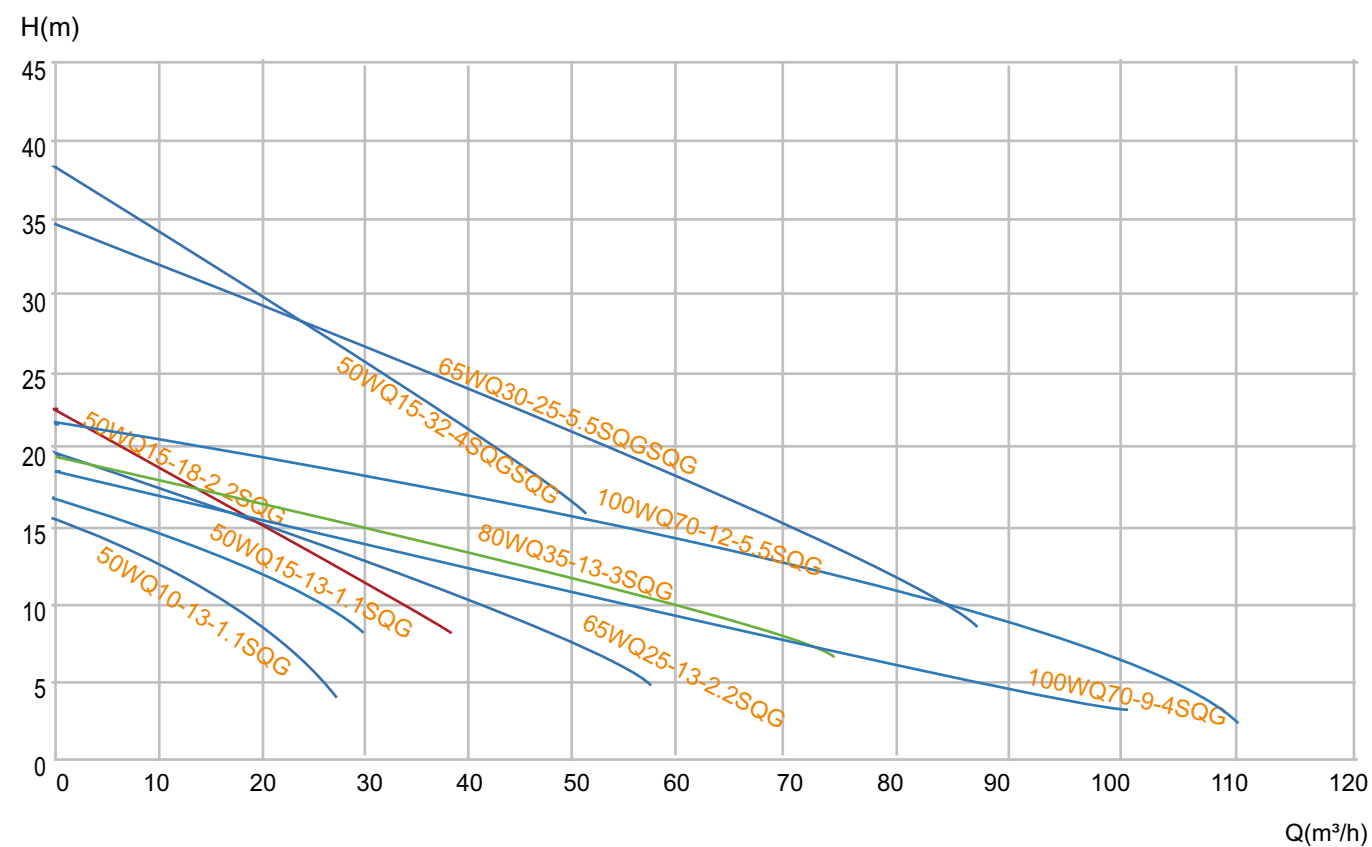


WQ-SQG

STAINLESS STEEL SUBMERSIBLE SEWAGE PUMP

Model	Rated Flow	Rated Head	Power	Voltage	Speed	Outlet Size	Packing Dimension
	m³/h	m	kW	V	rpm	mm	cm
65WQ25-18-3SQG	25	18	3	380	2850	65	64*24*28
80WQ35-13-3SQG	35	13	3	380	2050	80	64*24*20
50WQ15-32-4SQG	15	32	4	380	2850	50	71*28*34
65WQ40-15-4SQG	40	15	4	380	2850	65	71*28*34
80WQ50-12-4SQG	50	12	4	380	2850	80	71*28*34
100WQ70-9-4SQG	70	9	4	380	2850	100	71*28*34
50WQ18-35-5.5SQG	18	35	5.5	380	2050	50	79*28*34
65WQ30-25-5.5SQG	30	25	5.5	380	2850	65	79*28*34
80WQ50-16-5.5SQG	50	16	5.5	380	2850	80	79*28*34
100WQ70-12-5.5SQG	70	12	5.5	380	2850	100	79*28*34
50WQ20-40-7.5SQG	20	40	7.5	380	2850	50	79*28*34
65WQ30-32-7.5SQG	30	32	7.5	380	2050	65	79*28*34
80WQ45-22-7.5SQG	45	22	7.5	380	2850	80	79*28*34
100WQ70-17-7.5SQG	70	17	7.5	380	2850	100	79*28*34
150WQ140-10-7.5SQG	140	10	7.5	380	2850	150	79*28*34

Pump Curve

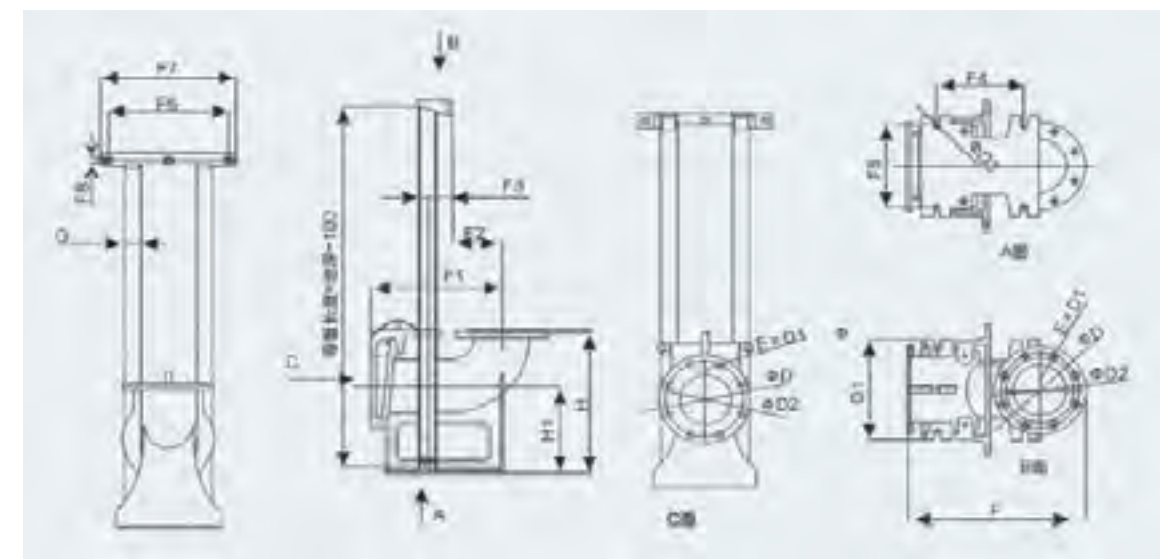


DN

STAINLESS STEEL COUPLING



Coupling installation Size



Coupling Model

Model	D	D1	D2	D3	E	F	F1	F2	FE	F4	F5	F6	F7	FB	G	G1	H	H1
DN50	110	14	50	16	4	265	195	58	62	115	113	215	255	12	1	130	215	133
DN65	130	14	65	16	4	295	215	55	65	132	135	215	255	12	1	160	246	150
DN80	150	18	80	16	4	340	245	65	75	160	160	266	315	12	1.5	185	280	170
DN100	170	18	100	20	4	370	268	80	90	192	160	305	355	14	1.5	206	330	195
DN150	225	18	150	20	8	515	3B5	147	70	252	252	350	395	14	1.5	310	425	260
DN200	280	18	200	20	8	560	400	200	a0	320	285	300	400	16	2	360	520	315