

SUBMERSIBLE PUMP SERIES

WORKING PRINCIPLE

The pumps are fitted with an open or closed impeller, which is mounted on the end of the drive shaft and enclosed by a large circular chamber and a baseplate with machined insert. The suction opening in the baseplate is directly in contact with the fluid to be pumped. The rotation impeller transmits kinetic energy to the fluid which is centrifuged in the ring chamber, where part of the kinetic energy is transformed into pressure energy. The particular design of the impeller optimizes hydraulic efficiency, while allowing the pump to handle muddy fluids containing solids in suspension and short fibres without danger of clogging.

PUMP INSTALLATION AND APPLICATIONS

The pumps are fitted with cast-iron or plastic single vane impellers, and are suitable for pumping liquids containing solids in suspension, including short fibres. The pumps are particularly recommended for handling clean water or sewage, reflux water, water mixed with mud, groundwater and surface water in areas such as: residential housing blocks, public buildings, industries, multi-storey car parks, car washes etc.

PERFORMANCE

The pumps have the following features:

- exceptional sturdiness, even under severe working conditions;
- long and stable performance curves with particularly high efficiency level.

CONSTRUCTION AND SAFETY STANDARDS:



SUBMERSIBLE PUMP SERIES



QDX SUBMERSIBLE PUMP (for clean water)

STRUCTURAL CHARACTERISTICS

(For clean water)

- DELIVERY BODY :
made from aluminium, particularly resistant to mechanical stress, knocks and corrosion, fitted with UNI ISO 228/1 gas threaded vertical delivery opening.
- FILTER: **stainless steel.**
- IMPELLER: aluminium.
- MOTOR SHAFT: **AISI 314 stainless steel.**
- MECHANICAL SEAL: **carbon/alumina,**
- MOTOR:
designed for continuous duty. The thermal cutout relay (motor protector) is incorporated. INSULATION class B.
- SUPPLY CABLE:
supplied standard with 5 meters of cable and plug.
- EXTERNAL FLOAT SWITCH: standard equipment.
- PROTECTION: **IP 68.**

WARRANTY: 1 YEAR

(according to our general sales conditions),



OPERATING LIMITS: maximum operating depth 7m
Fluid temperature up to +40°C

MODEL	CAPACITY M ³ /H	LIFT M	VOLTAGE M	POWER		PIPE DIAMETER Mm	Rotation speed R/Min	WEIGHT Kg	PACKAGE DIMENSIONS Mm
				kW	HP				
QDX3-14-0.37	3	14	220	0.37	0.5	25	2900	5.6	375*210*260
QDX3-18-0.55	3	18	220	0.55	0.75	25	2900	5.6	375*210*260
QDX6-14-0.55	6	14	220	0.55	0.75	38	2900	5.6	375*210*260
QDX15-7-0.55	15	7	220	0.55	0.75	51	2900	6.2	375*210*260
QDX6-18-0.75	6	18	220	0.75	1	38	2900	7.6	375*210*260
QDX10-13-0.75	10	13	220	0.75	1	51	2900	7.6	375*210*260
QDX6-18-0.75	6	18	380	0.75	1	38	2860	8.1	375*210*260
QDX15-10-0.75	15	10	220	0.75	1	64	2900	8.4	375*210*260
QDX1.5-32-0.75	1.5	32	220	0.75	1	25	2900	8.8	375*210*260
QX25-9-1.1	25	9	380	1.1	1.5	51	2860	5.6	375*210*260
QX25-12-1.5	25	12	380	1.5	2	64	2860	6.2	375*210*260
QX40-8-1.5	40	8	380	1.5	2	76	2860	7.6	375*210*260
QX10-34-2.2	10	34	380	2.2	3	51	2860	7.6	375*210*260
QX10-44-3	10	44	380	3	4	51	2860	8.1	375*210*260
QX15-45-4	15	45	380	4	5.3	51	2860	8.4	375*210*260
QX15-55-5.5	15	55	380	5.5	7.3	51	2860	8.8	375*210*260



TPS SUBMERSIBLE PUMP SERIES

(For clean water)

STRUCTURAL CHARACTERISTICS

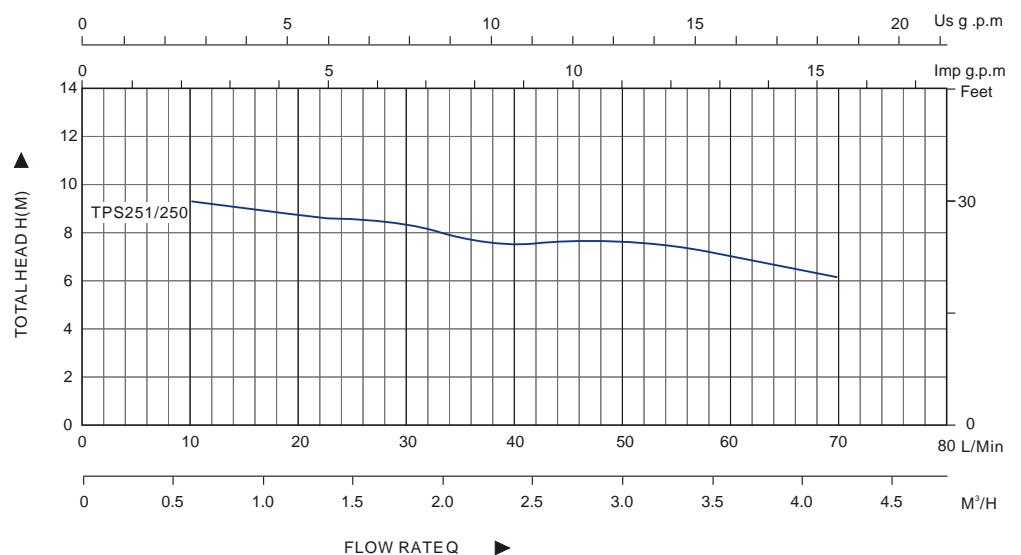
- DELIVERY BODY : made from aluminium, particularly resistant to mechanical stress, knocks and corrosion, fitted with UNI ISO 228/1 gas threaded vertical delivery opening.
- FILTER: **stainless steel**.
- IMPELLER: aluminium.
- MOTOR SHAFT: **AISI 314 stainless steel**.
- MECHANICAL SEAL: **carbon/alumina**,
- MOTOR: designed for continuous duty. The thermal cutout relay (motor protector) is incorporated. INSULATION class B.
- SUPPLY CABLE: supplied standard with 5 meters of cable and plug.
- EXTERNAL FLOAT SWITCH: standard equipment.
- PROTECTION: **IP 68**.



WARRANTY: 1 YEAR

(according to our general sales conditions),

OPERATING LIMITS: Maximum operating depth 7m
Fluid temperature up to +40°C



MODEL	POWER		MAX.FLOW L/Min	MAX.HEAD M	OUTLET IN	GW Kg	PACKING DIMENSION Mm	QUANTITY set
	W	HP						
TPS250	250	0.33	150	9	1 1/4"	5.6	375*210*260	7.6

WQS SUBMERSIBLE PUMP SERIES

STRUCTURAL CHARACTERISTICS

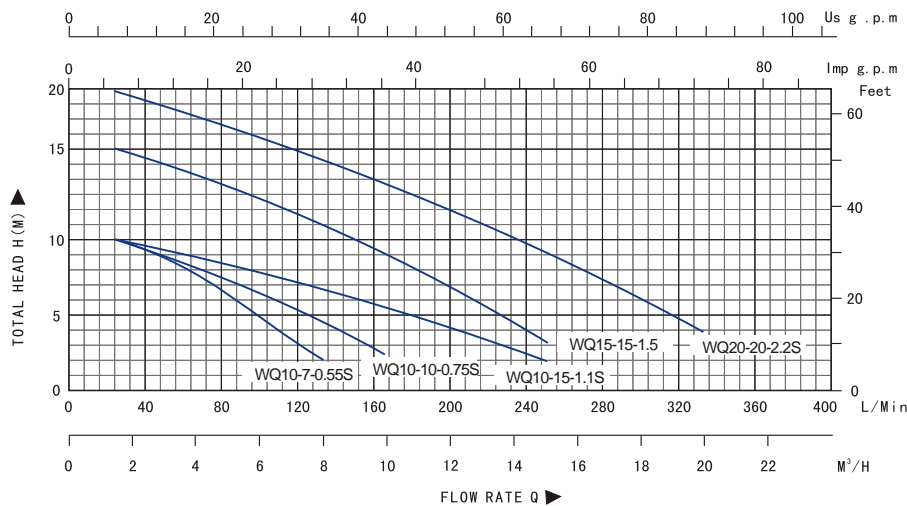
- DELIVERY BODY : **cast iron**, with UNI ISO 228/1 gas threaded vertical delivery opening.
- BASE: **cast iron**.
- IMPELLER: **cast iron**.
- MOTOR SHAFT: **AISI 314 stainless steel**.
- DOUBLE MECHANICAL SEAL: **carbon/alumina**,
- MOTOR: designed for continuous duty. The thermal cutout relay (motor protector) is incorporated. INSULATION class B.
- SUPPLY CABLE: supplied standard with 5 meters of cable and plug.
- EXTERNAL FLOAT SWITCH: standard equipment.
- PROTECTION: **IP 68**.



WARRANTY: 1 YEAR

(according to our general sales conditions),

OPERATING LIMITS: Fluid temperature up to +35°C
Maximum ambient temperature +40°C



PUMP MODEL	POWER		MAX.FLOW (M³/H)	MAX.HEAD M	OUTLET	GW Kg	PACKING DIMENSION Mm	QUANTITY Set
	KW	Hp						
WQ10-7-0.55S	0.55	0.75	10	8	1 1/4"	14.5	425*255*220	1400
WQ10-10-0.75S	0.75	1.0	10	10	1 1/4"	17.5	452*255*220	1200
WQ10-15-1.1S	1.1	1.5	10	15	1 1/2"	21.5	540*245*265	900
WQ15-15-1.5S	1.5	2.0	15	15	1 1/2"	32.6	540*245*265	640
WQ20-20-2.2S	2.2	3.0	20	20	2"	36.5	560*260*280	550



QY OIL-SEALED SUBMERSIBLE PUMP SERIES

MINE SUBMERSIBLE PUMPS

PUMP INSTALLATION AND APPLICATIONS

QY-Type oil-sealed Submersible pump is extensively used in farm irrigation, as well as in water supply/discharge for various projects and mining operations, which have many merits: such as, electromechanical integration in design; compact in construction; no prior water input is needed for starting operation; light in weight and easy to be removed.

STRUCTURAL CHARACTERISTICS

- DELIVERY BODY : **cast iron**, with UNI ISO 228/1 gas threaded vertical delivery opening.
- BASE: **cast iron**.
- IMPELLER: **cast iron/brass**
- MOTOR SHAFT: **AISI 314 stainless steel**.
- MECHANICAL SEAL: **carbon/alumina**,
- MOTOR: **motor oil filled**, designed for continuous duty. INSULATION class B.
- SUPPLY CABLE: supplied standard with 5 meters of cable and plug.
- EXTERNAL FLOAT SWITCH: standard equipment.
- PROTECTION: **IP 68**.

WARRANTY: 1 YEAR

(according to our general sales conditions).



MODEL	POWER		CAPACITY M ³ /H	LIFT M	VOLTAGE V	PIPE DIAMETER Mm	ROTATION SPEED R/Min	PACKAGE DIMENSIONS Mm	GW Kg
	KW	HP							
QY8.4-40/2-2.2	2.2	3	8.4	40	380	38	2860	375*210*260	7.6
QY10-32-2.2	2.2	3	10	32	380	51	2860	375*210*260	7.6
QY15-26-2.2	2.2	3	15	26	380	51	2860	375*210*260	7.6
QY25-17-2.2	2.2	3	25	17	380	64	2860	375*210*260	7.6
QY40-12-2.2	2.2	3	40	12	380	76	2860	375*210*260	7.6
QY65-7-2.2	2.2	3	65	7	380	102	2860	375*210*260	7.6
QY100-4.5-2.2	2.2	3	100	4.5	380	152	2860	375*210*260	7.6
QY8.4-50/2-3	3	4	8.4	50	380	38	2860	375*210*260	7.6
QY12.5-40-3	3	4	12.5	40	380	51	2860	375*210*260	7.6
QY25-24-3	3	4	25	24	380	64	2860	375*210*260	7.6
QY40-16-3	3	4	40	16	380	76	2860	375*210*260	7.6
QY65-10-3	3	4	65	10	380	102	2860	375*210*260	7.6
QY100-6-3	3	4	100	6	380	152	2860	375*210*260	7.6
QY12.5-50-4	4	5.3	12.5	50	380	51	2860	375*210*260	7.6
QY25-30-4	4	5.3	25	30	380	64	2860	375*210*260	7.6

