FAGGIOLATI®

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FAGGIOLATI®

FS sewage sludge submersible pumps

Providing you with better solutions

FAGGIOLATI's world leadership is the result of continuous innovation in technology. This is reflected not only in our quest to design, develop and manufacture reliable and efficient products that offer creative energy-saving solutions for customized systems, but also in our spirit of pushing the limits to achieve unprecedented performance.

Our service capabilities and extensive experience in the maintenance of aftermarket equipment ensures that any service work required is carried out with minimal disruption to the normal operation of the equipment.

FAGGIOLATI's proven solutions ensure long-term product reliability, low maintenance for longer equipment life cycles, and energy efficiency to reduce energy consumption and carbon emissions.

FS sewage sludge submersible pumps
Submersible pump performance

FAGGIOLATI submersible sewage pumps have always been highly recognized in the water treatment industry.

The new range of FAGGIOLATI submersible sewage pumps is based on a completely new concept. The design takes full advantage of current technology. It focuses on providing users with more reliable operation, including advanced design, greater safety margins and market-leading anti-clogging performance with better debris handling.

The FAGGIOLATI FS series submersible sewage pumps have a built-in IEC 60034-compliant IE3 ultra-high efficiency motor to optimize motor efficiency. The benefit of using this type of motor is that it provides higher efficiency without increasing the frequency of clogging due to increased hydraulic efficiency.

Total efficiency includes:

-Motor efficiency

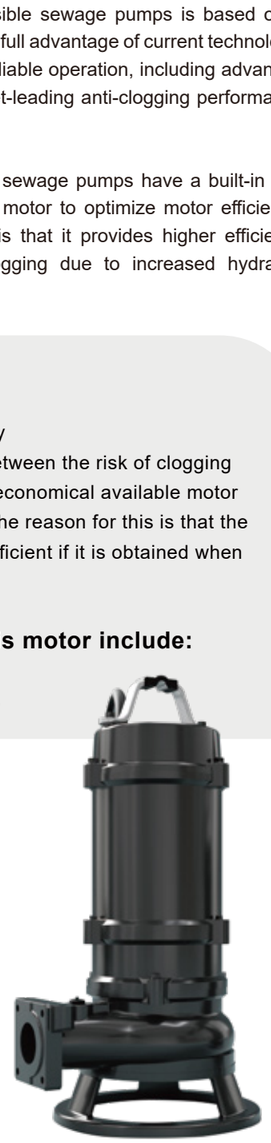
-hydraulic efficiency [pump efficiency

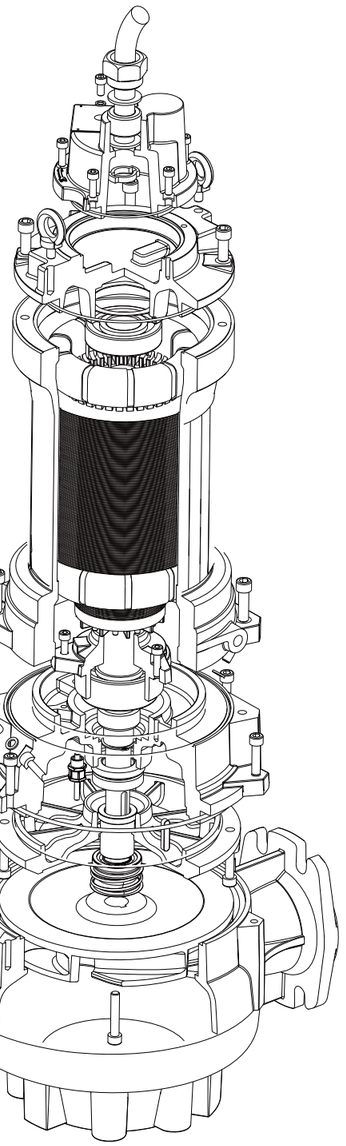
When trying to achieve a balance between the risk of clogging and energy consumption, the more economical available motor efficiency should be selected first. The reason for this is that the total motor efficiency is only more efficient if it is obtained when there is no risk of clogging.

The advantages of using this motor include:

-No risk of clogging

-Recognized international standards





Applications

The FAGGIOLATI FS series of high-efficiency submersible pumps is designed to handle the world's toughest water and wastewater.

Municipal sewage | Rain | Waste water | Seawater desalination | Re-payment | Water Treatment

Product Features

Unique design of over-flow components, wide high efficiency zones, and full head (no overload) characteristics of some pumps enable the pumps to perform efficiently and safely over a wide flow range.

The jacketed self-circulating cooling system enables safe and reliable operation even when the pump is installed above the liquid surface or in dry installation.

Two independently operated mechanical shaft seals are designed to provide double safety against leakage.

The new large free-channel, anti-clogging impeller design provides high resistance to entanglement and clogging, as well as excellent solids handling, resulting in high pumping efficiency, long reliable uptime, and significantly reduced maintenance costs due to clogging.

Complete safety alarms and protection devices, such as alarm systems for overheating, overload, leakage, over-temperature, humidity, and submersion, as well as liquid level control systems, provide centralized control and effective protection of the pump's operating status.

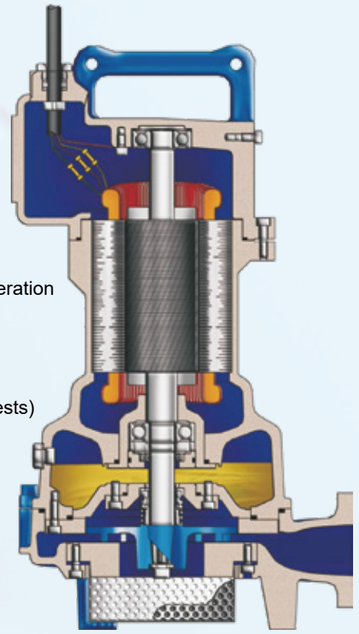
The compact, short shaft extension design reduces vibration during operation, extends the life of mechanical seals and bearings, and reduces operation noise.

The tungsten carbide ring at the media end of the mechanical sealing system has superior strength against high temperature, impact and wear, and longer service life.

Proven design ensures continued reliable and high-efficiency operation even under the most demanding conditions.

Long-term reliability

·Reduces risk of contamination from overflows
·Reduces risk of customer service interruptions
·Lower failure costs
·Lower maintenance costs



More energy efficient

·Reduces energy consumption and carbon emissions
·Reduces motor heating [Delta T min. 45°C max. 80°C].
Obtain optimal shaft temperature for long term continuous operation
·Superior anti-interference capability

More specialized technical services

·CFD Fluid Dynamics Design (Contrast to Example Modeling Tests)
·Provides system analysis and calculations, including:
Catch Basin Design
Transient analysis
Pump start-up analysis
Water hammer calculations, etc

Designed to meet future needs

·Compliance with laws and regulations governing conventional motors in the U.S. and other countries and regions.
·Impeller design based on future wastewater contents
·High reliability ensures that overflow reduction targets are met

Sustainability in manufacturing and operation

·Extends pump life
·Reduces maintenance costs by adjusting instead of repairing

The pump is coaxial with the motor, the pump shaft is made of stainless steel, the rotor of the pump and the motor has been dynamically balanced and tested, the shaft and the impeller adopt a taper fit, and the tapered shaft end of the fixed impeller makes it more convenient to dismantle the impeller.

Triple sealing cable inlet,isolation support tube can be set outside the cable line to effectively separate the cable line from the pumping medium, and water ingress can be completely prevented under 20m of water to prolong the service life of the cable.

Self-cleaning impeller design with special adjustable suction flange allows fine clearance adjustment to ensure pump efficiency without disassembling the pump body.

Motors with efficiency class IE3

We are committed to energy efficiency and are constantly researching and designing to improve the performance of our pumps. We strive to move all our equipment into higher efficiency classes, using permanent magnet synchronous motor technology wherever possible.

Although motors fully integrated into the equipment are not covered by the EU Directive 2005/32EC, FAGGIOLATI has updated its products and the FS series of submersible pumps are fully manufactured with IE3 ultra-efficient motors, with class F insulation, designed to be controlled through frequency converters, so that the performance of the entire equipment is better managed, allowing a significant reduction in operating costs.

Superior water cooling system

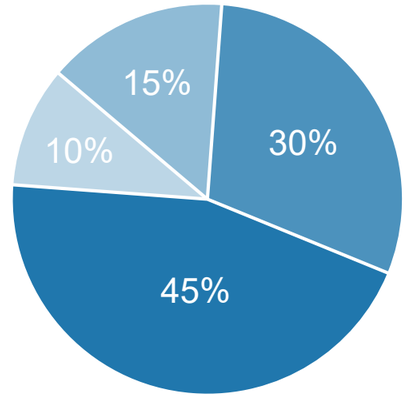
Whether in the water or dry installation, the pump in the process of operation, through the water cooling system to reduce the motor and stator heat, effectively ensure the efficiency of the motor, the pump can be reliable and safe operation.

Quality of materials used

◎ low loss metal plate
◎ High copper purity
◎ Silicone cables (180°C) and hot crimp/copper solder connections

Factors affecting operating costs

45% Mechanical structure and selection of the most suitable materials
30% Plugging and wear resistance
15% RPM Management
10% Total output [motor + hydro]

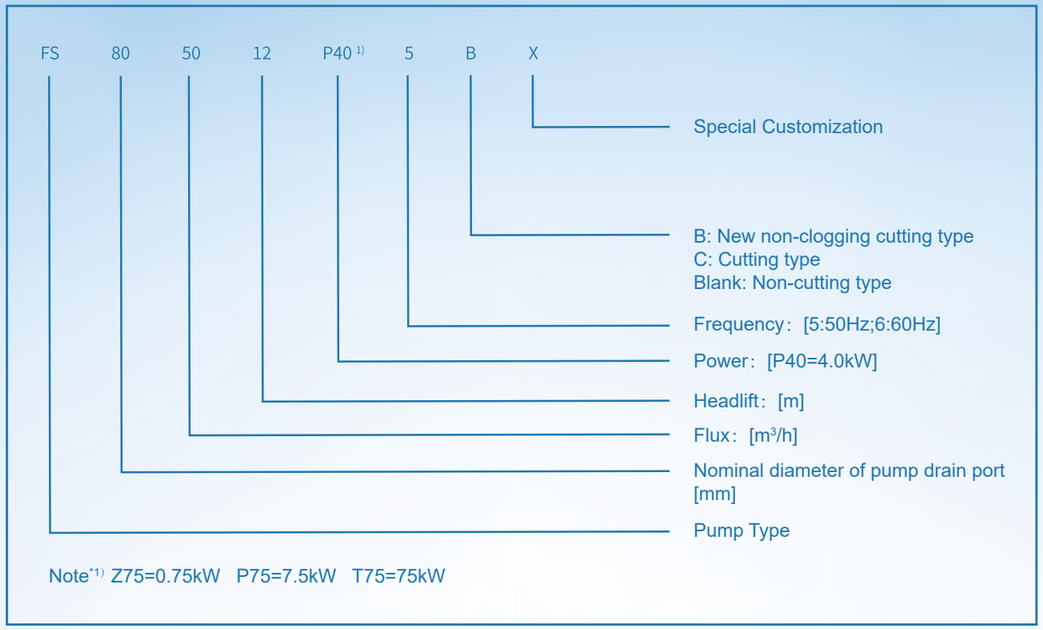


FAGGIOLATI electric pumps, with their new hydrodynamic technology and a wide choice of materials, are able to meet the needs of "solving" a wide range of applications. As IE3 motors are suitable for management through frequency converters, FAGGIOLATI can save on O&M costs, in addition to equipment efficiency and reliability.

Norm

Media Type		Sewage sludge (liquid pH range: 4-10)
Medium temperature		0~40℃
Maximum installation depth		20m
Water pump access Maximum particle size（mm）		DN32-DN600 5-125mm
Pump	Bearings	Permanent grease lubricated maintenance-free bearings Design life > 100,000 hours
	Shaft seal	Double face mechanical seal up to 4.0kW, tandem double mechanical seal above 5.5kW; Design life > 30,000 hours
	Impellers	Non-clogging impeller
	Pump casing	Cast iron/stainless steel
	Thermal switch	Configuration of two sets of thermal switches, coil temperature 150 °C cut off the power supply
Motor	Type	Three-phase squirrel cage with built-in protector
	Protection class	IP68
	Insulation class	level F/H
	Number of activations	Maximum 30 starts per hour
	Number of phases/voltage	three-phase /400V

Model Description



Note*1) Z75=0.75kW P75=7.5kW T75=75kW

FS sewage sludge submersible pumps
Anti-clogging impeller

More than 60% of pump-related failures are directly attributable to clogging. This problem has not improved in recent years. Although the design of impellers has improved considerably, the requirement to reduce energy consumption and changing personal hygiene habits have also increased the risk of clogging.

New impeller concept

The FAGGIOLATI range of submersible sewage pumps features a new impeller concept: reinforced anti-clogging. Greater safety margins and market-leading anti-clogging performance with better debris handling. This solution not only makes better use of the various tried-and-tested anti-clogging type designs, but also adds new features to ensure that the solids free passage can pass through waste cloth fibers, personal hygiene products, and other debris with a diameter of no less than 80% of the discharge aperture, thus further enhancing the pump's anti-clogging performance.

We are confident in our design because we have conducted over 5,000 man-hours of clogging tests, thoroughly understood the contents of the effluent to benchmark existing designs and optimize the impellers used in the FAGGIOLATI FS series.

Superior chip handling

·Provides products on the market with a lower risk of clogging
·Reduces the risk of contamination from overflows
·Reduces the risk of customer service interruptions
·Lower breakdown costs
·Lower tank truck transportation costs

Optimized hydraulic design using CFD technology

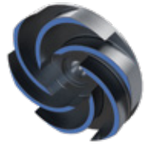
The FAGGIOLATI range of optimized impellers, using CFD technology, matches your precise needs to provide you with better efficiency and reliability. The strategy used combines the Design of Experiments (DOE) method and numerical simulation (CFD). DOE is able to effectively analyze multiple design parameters, and the end result is a series of impellers optimized for a variety of applications.

Double Channel Impeller C

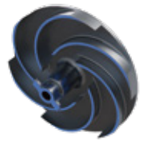
Single Channel Impeller M

Drainage Multi-blade Impeller D

Blade Impeller H



Vortex Impeller V



Grinder Impeller T

Cutting Impeller J

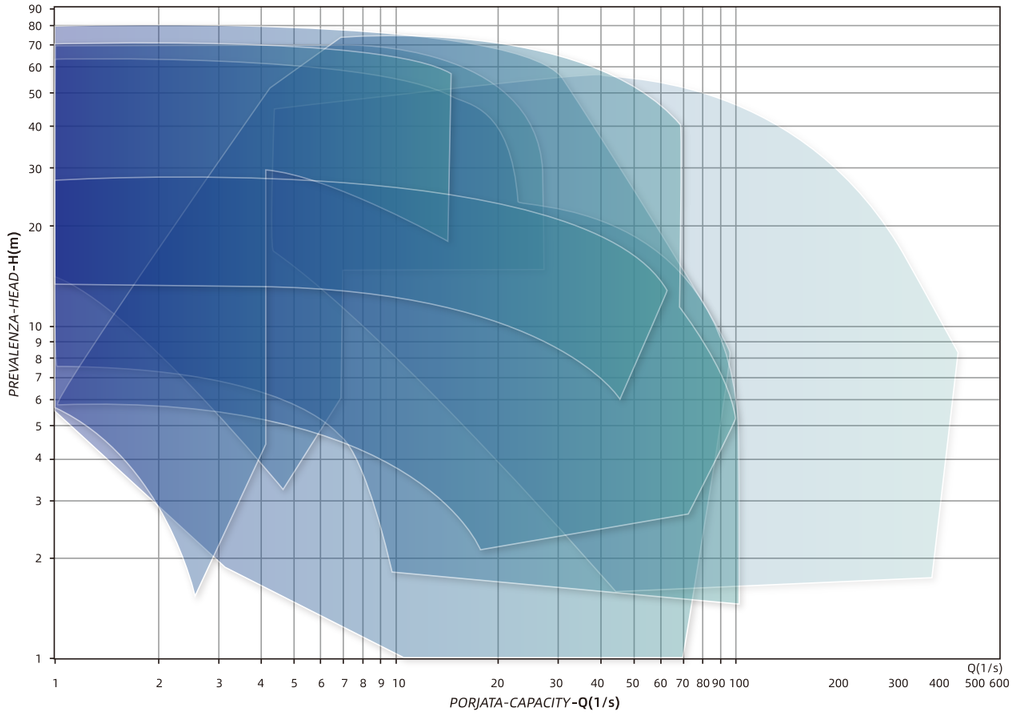
Open-blade Impeller P

Sand Vortex Impeller S

Open vane impeller N

FS sewage sludge submersible pumps
Performance Graph

The product range includes several models from 0.5 kW 350 kW, 2-4-6-8-10-12 poles (50 Hz and 60 Hz).



La gamma dei prodotti prevede diversi modelli, in una mopltеplicità di versioni, da 0,5 kW a 350 kW, 2-4-6-8-10-12 poli (50Hz e 60 Hz).

The product range includes different models in several versions, from 0,5 kW to 350 kW, 2-4-6-8-10-12 poles (50Hz and 60 Hz).

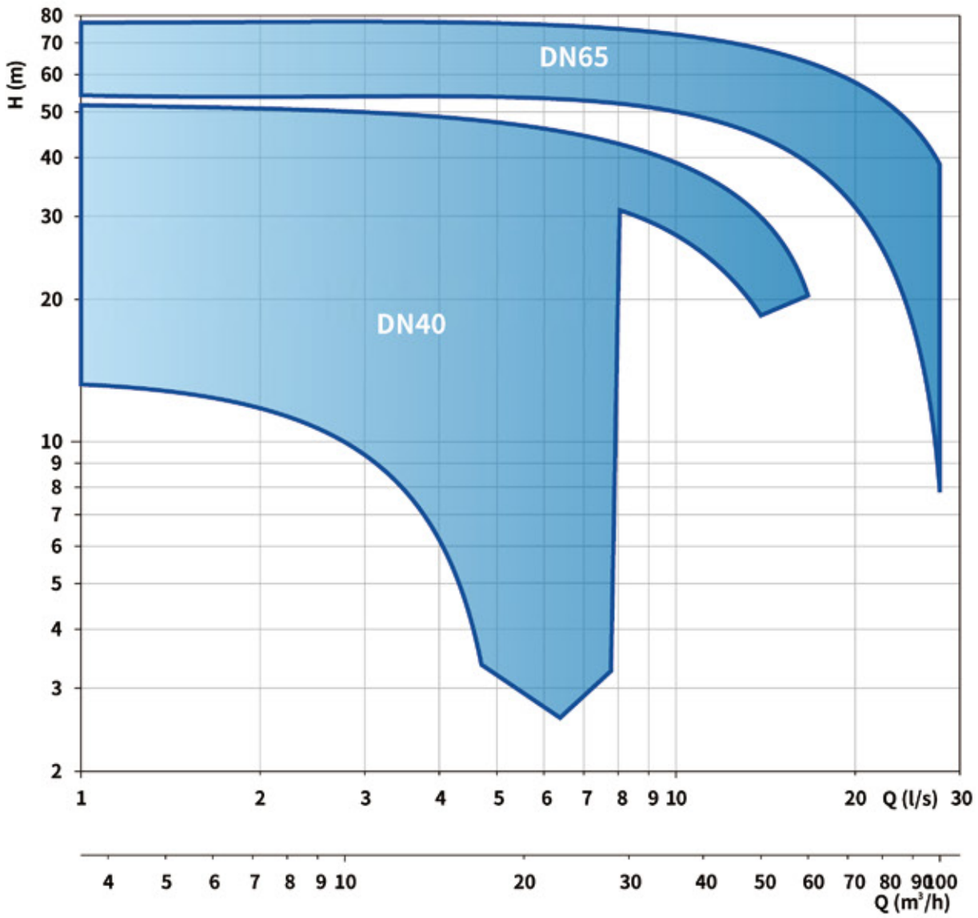
La gamme des produits prévoit différents modèles, dans une multitude de versions, allant de 0,5 kW à 350 kW, 2-4-6-8-10-12 pôles (50Hz et 60 Hz).

Das Produktangebot sieht verschiedene Modelle und mehrere Versionen vor, von 0,5 kW bis 350 kW, 2-4-6-8-10-12 Pole (50 Hz und 60 Hz).

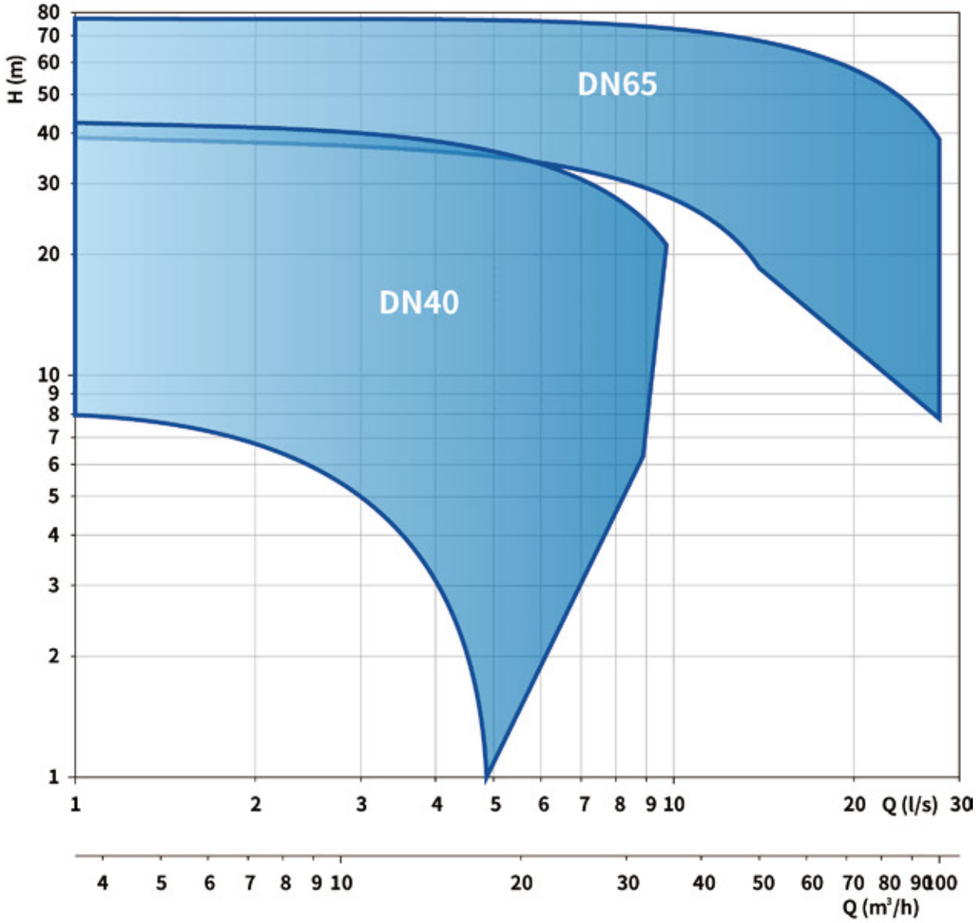
La gama de los productos incluye varios modelos, en múltiples versiones, desde 0,5 kW a 350 kW, de 2-4-6-8-10-12 polos (50Hz y 60 Hz).

Эта серия включает много моделей и их вариантов, в диапазоне мощностей от 0,5 до 350 кВт, 2-4-6-8-10-12 полюсов (50 и 60 Гц).

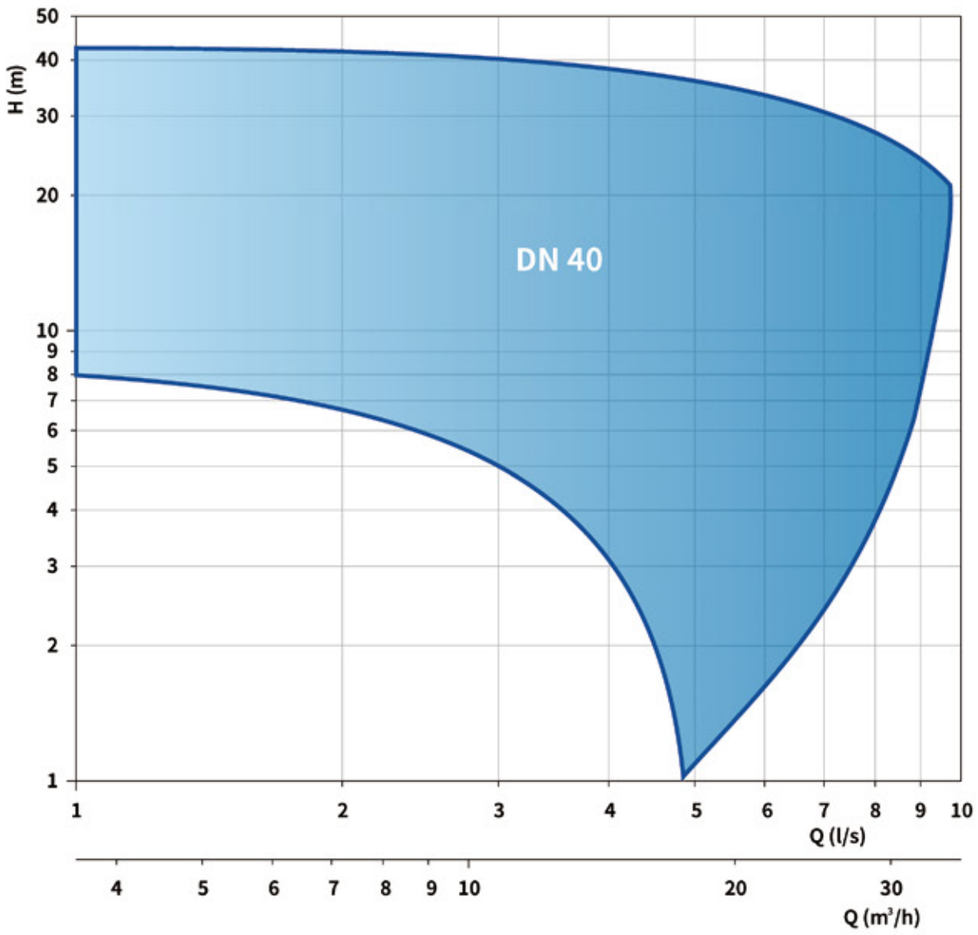
Single Channel Impeller



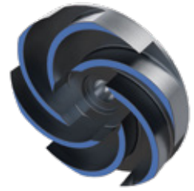
Double Channel Impeller STEEL

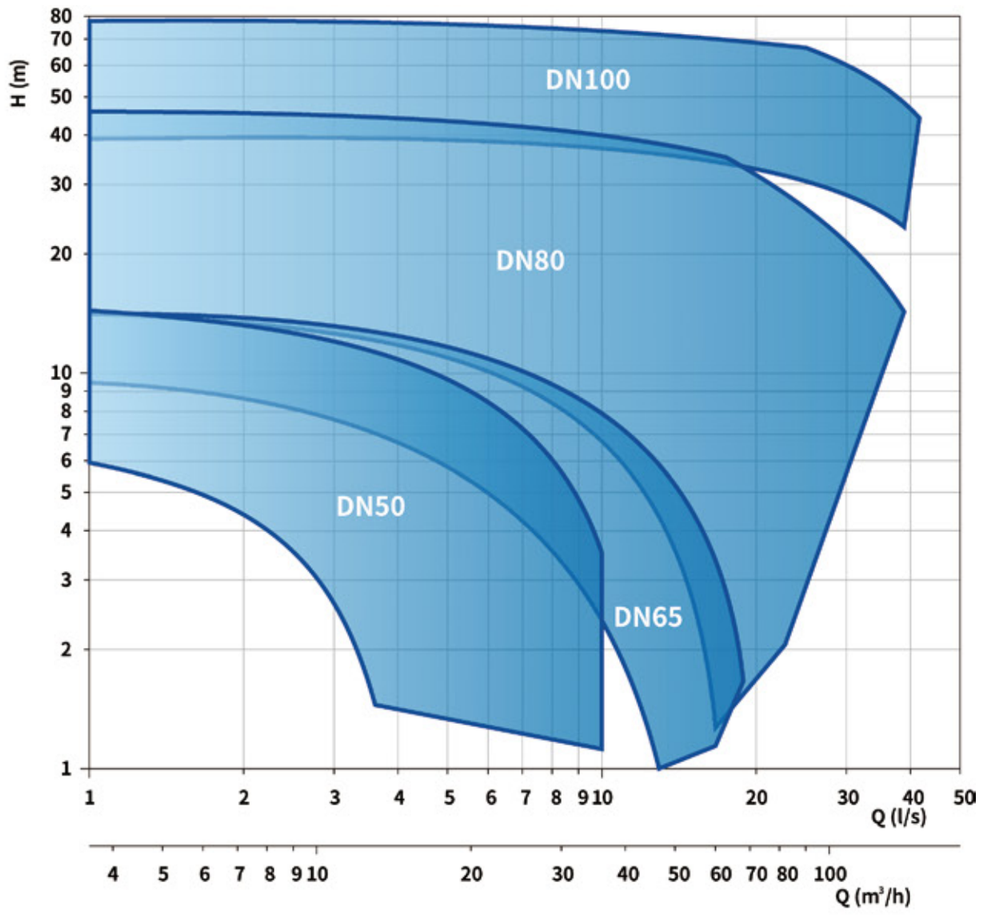


Cutting Impeller

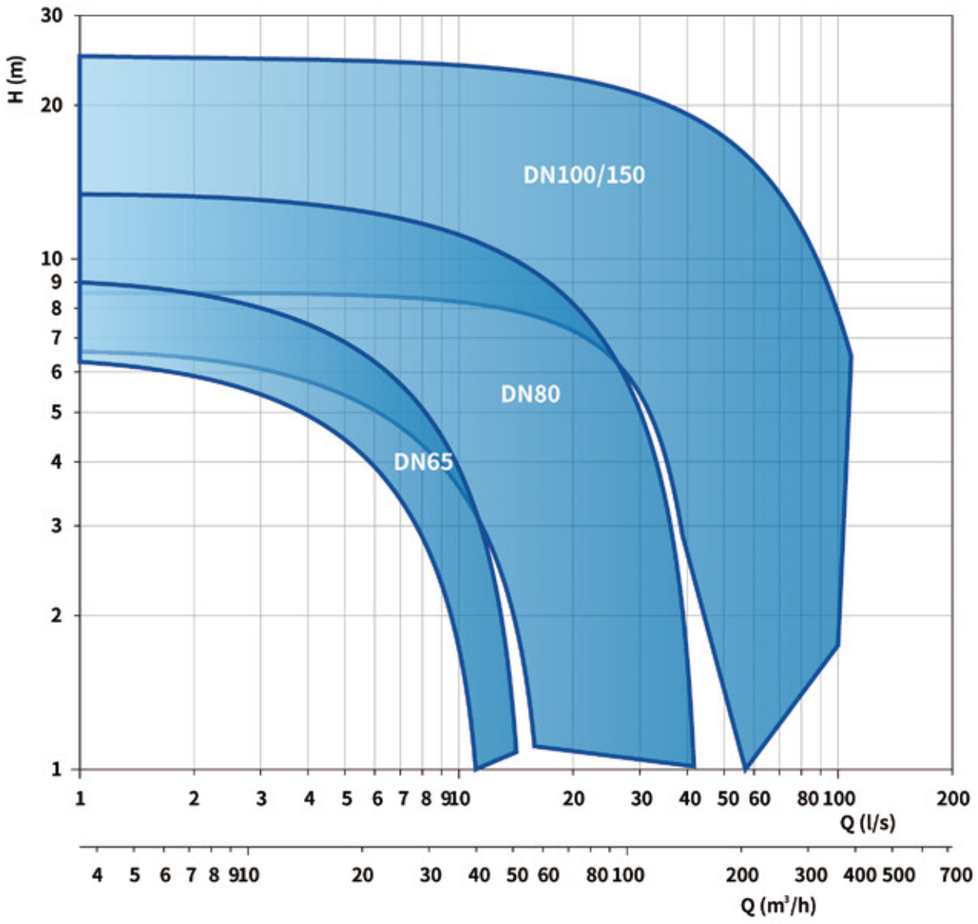


Vortex Impeller

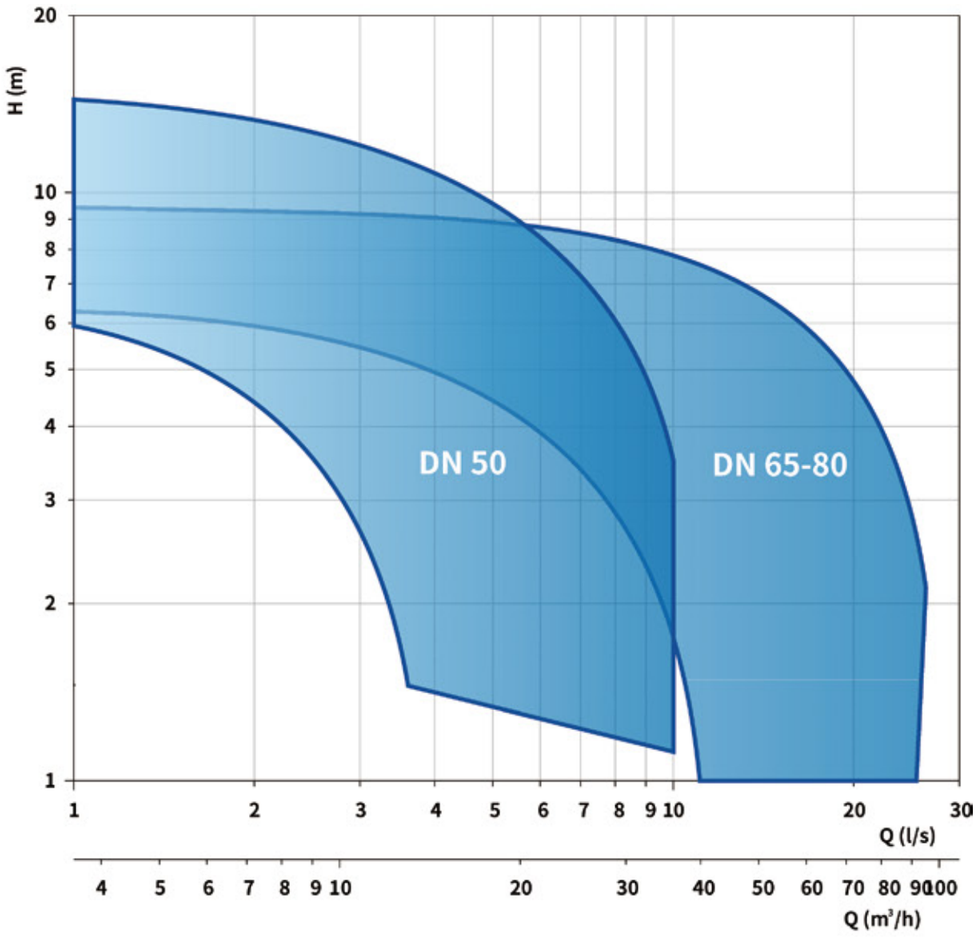




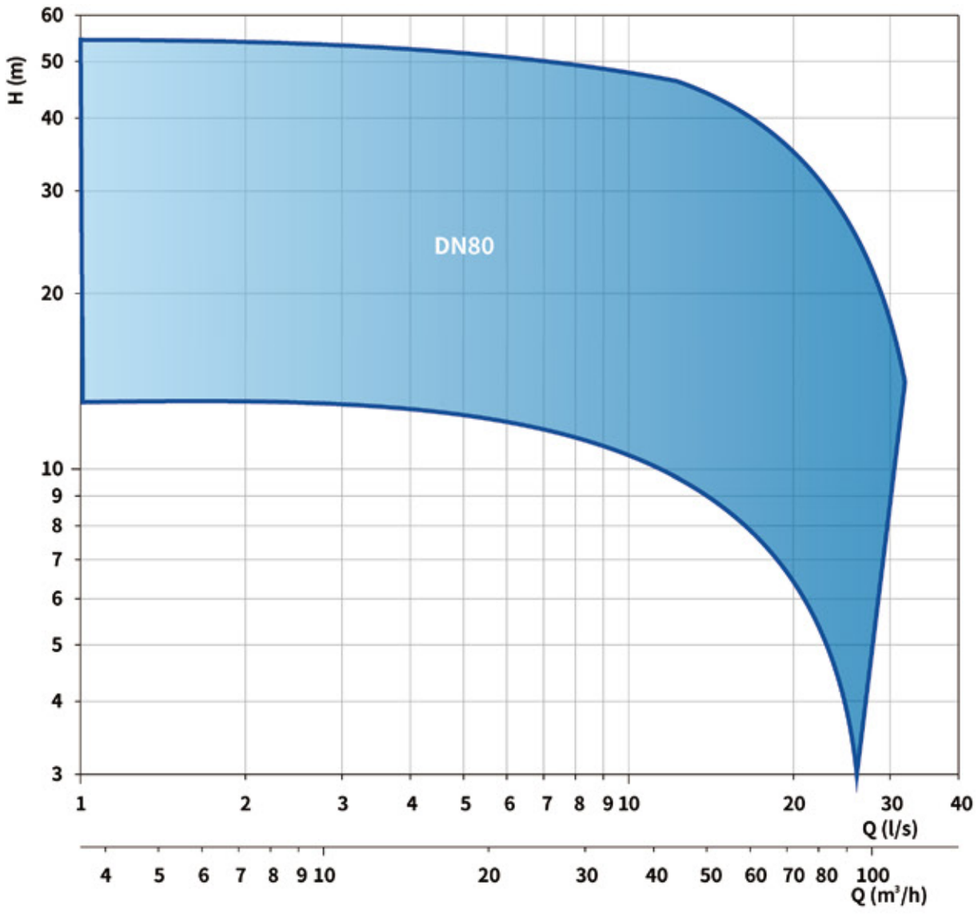
Drainage Multi-blade Impeller



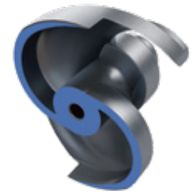
Open-blade Impeller

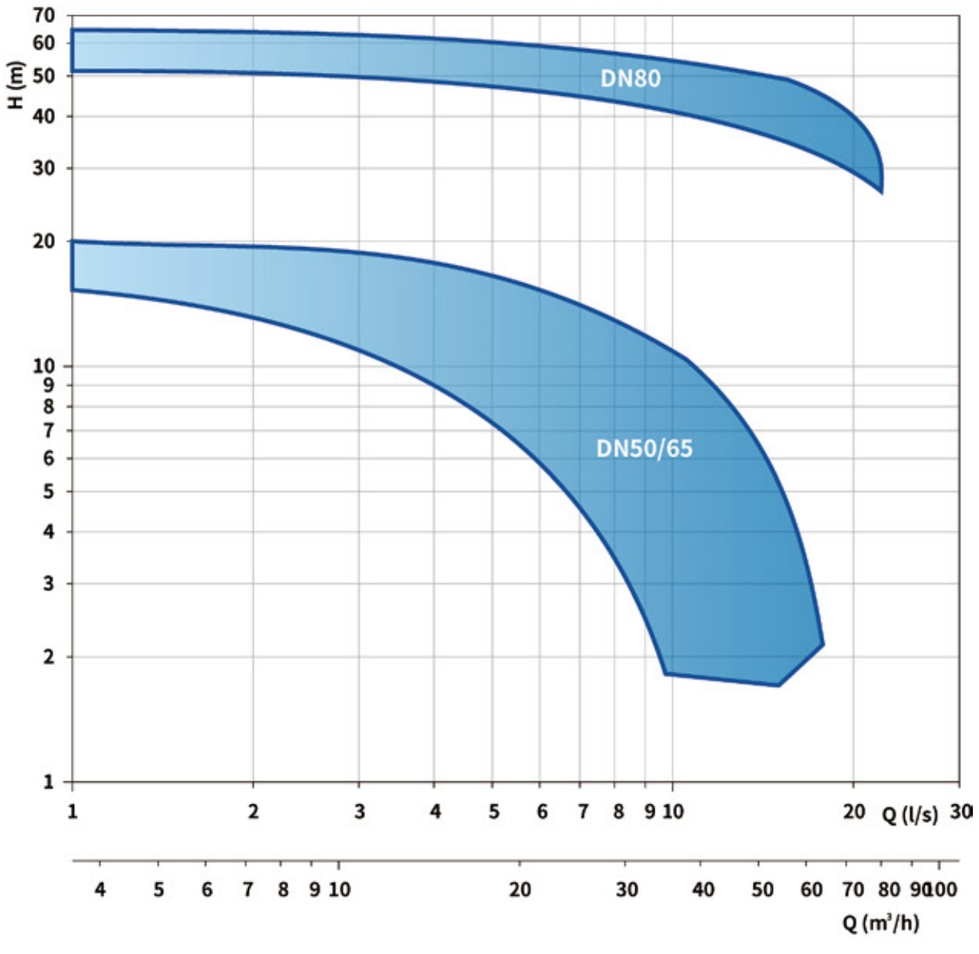


Blade Impeller

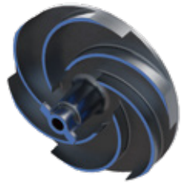


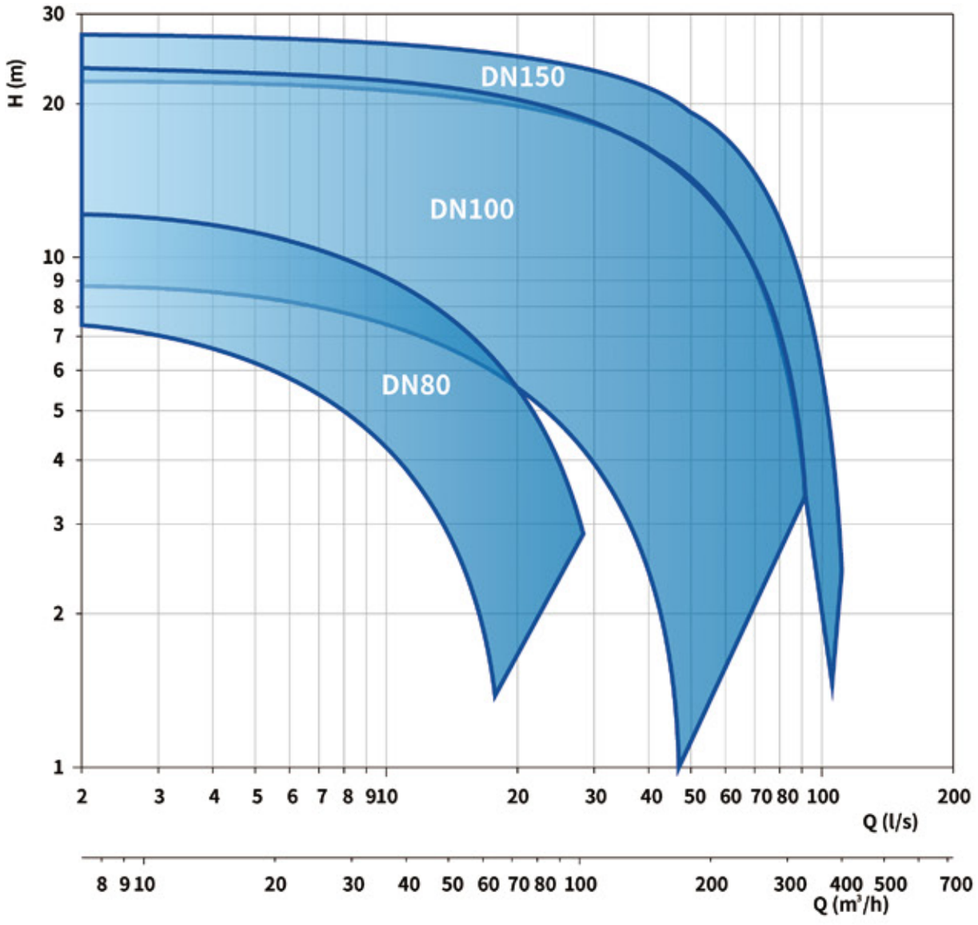
Open Double Channel Impeller



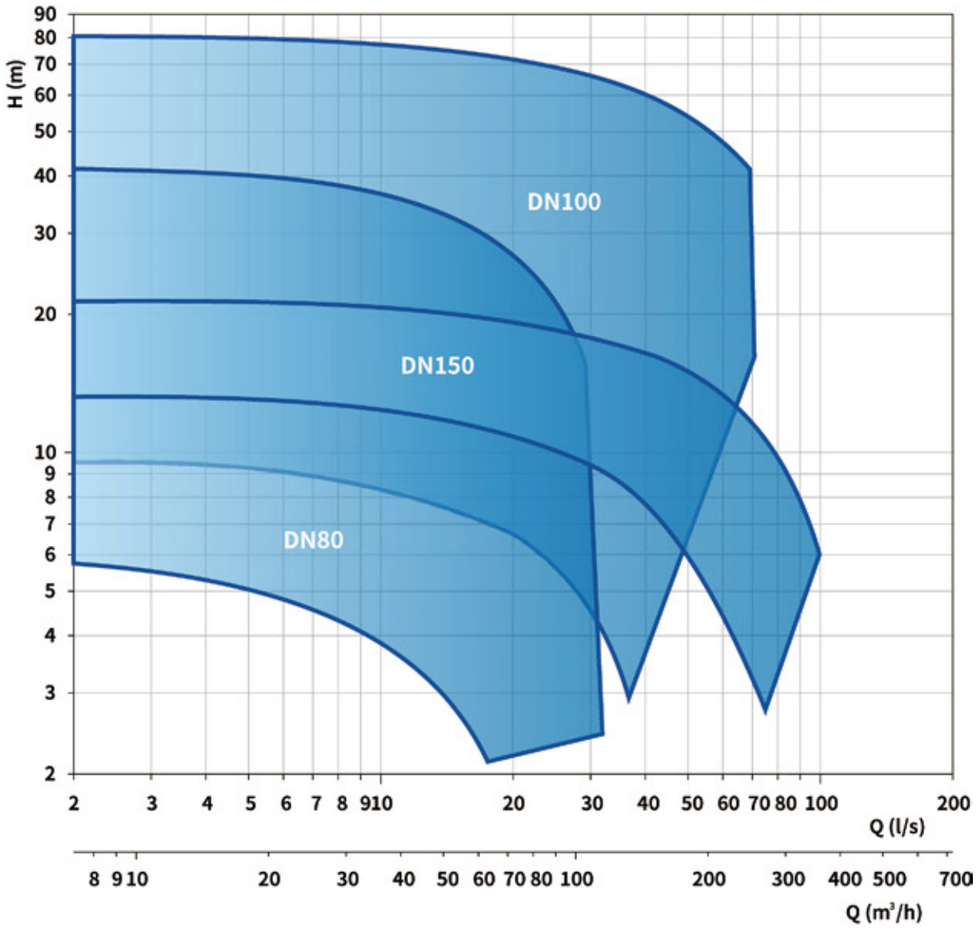


Grinder Impeller





Sand Vortex Impeller



External Dimensions

Dimensions and weights Dimensions and weights

FS

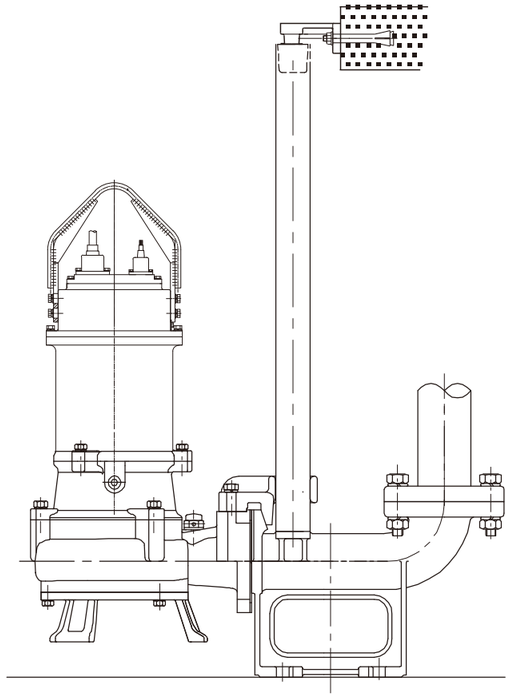


Figure 1: Automatic Coupling Installation

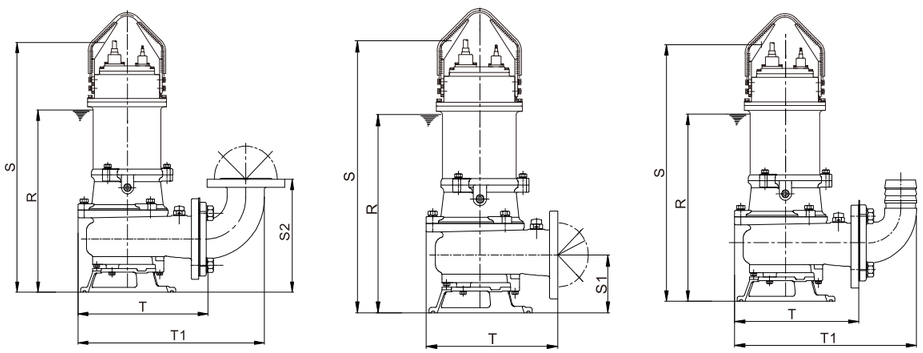


Figure 2: Dimensions of pump on ring stand

Performance Parameter Table

Type	Flux [m^3/h]	Head [m]	Efficiency [η]	Power [kW]	Speed [r/min]	Motor poles	Weight [kg]
FS 32.6.20.P11.C	6	20	31.5	1.1	2850	2	19.5
FS 40.8.15.P11.5	8	15	36.9	1.1	2850	2	23
FS 40.9.5.Z37.5.B	9	5	33.4	0.37	2800	2	21
FS 40.10.7.Z55.5.B	10	7	39.6	0.55	2850	2	24
FS 40.10.10.Z75.5.B	10	10	43.7	0.75	2850	2	24
FS 40.12.10.Z75.5	12	10	43.7	0.75	2850	2	22.5
FS 40.12.15.P15.5.B	12	15	44.1	1.5	2880	2	36
FS 40.12.18.P15.5	12	18	43.4	1.5	2880	2	34
FS 40.15.8.P11.5	15	8	49.8	1.1	2850	2	26.5
FS 40.15.13.P11.5	15	13	47.5	1.1	2850	2	24.5
FS 50.8.15.P11.5	8	15	37.3	1.1	2900	2	26.5
FS 50.9.22.P22.5	9	22	51.9	2.2	2900	2	38.5
FS 50.10.7.Z55.5	10	7	36.4	0.55	2900	2	22.5
FS 50.10.7.Z55.5.B	10	7	40.2	0.55	2850	2	24
FS 50.10.8.Z75.5	10	8	37.3	0.75	2900	2	24
FS 50.10.10.Z75.5.C	10	10	53.1	0.75	2900	2	22.5
FS 50.10.10.Z75.5.B	10	10	45.1	0.75	2900	2	24
FS 50.10.13.P11.5	10	13	42.3	1.1	2900	2	26.5
FS 50.10.13.P11.5.B	10	13	46.9	1.1	2900	2	28
FS 50.10.15.P15.5	10	15	59.7	1.5	2900	2	34
FS 50.10.15.P11.5.C	10	15	56.3	1.1	2900	2	23
FS 50.10.18.P15.5	10	18	48.8	1.5	2900	2	34
FS 50.12.10.Z75.5	12	10	44.0	0.75	2900	2	22.5
FS 50.12.10.P15.5	12	10	35.8	1.5	2900	2	32
FS 50.12.12.P15.5	12	12	60.1	1.5	2900	2	34
FS 50.12.15.P15.5.B	12	15	45.3	1.5	2900	2	36
FS 50.15.8.P11.5	15	8	49.8	1.1	2900	2	26.5
FS 50.15.10.P15.5	15	10	52.8	1.5	2900	2	34
FS 50.15.13.P11.5	15	13	56.4	1.5	2900	2	24.5
FS 50.15.15.P15.5	15	15	59.7	1.5	2880	2	34
FS 50.15.15.P15.5.C	15	15	51.2	1.5	2880	2	34
FS 50.15.18.P22.5	15	18	49.6	2.2	2880	2	38.5
FS 50.15.18.P22.5.B	15	18	46.3	2.2	2880	2	40
FS 50.15.20.P22.5	15	20	52.4	2.2	2880	2	38.5
FS 50.15.20.P22.5.C	15	20	49.7	2.2	2880	2	38.5
FS 50.15.25.P30.5	15	25	53.1	3.0	2840	2	45
FS 50.15.25.P30.5.B	15	25	43.6	3.0	2840	2	48
FS 50.15.27.P30.5	15	27	47.9	3.0	2840	2	45
FS 50.15.28.P30.5.C	15	28	50.8	3.0	2840	2	46
FS 50.15.32.P40.5	15	32	43.1	4.0	2840	2	50.5
FS 50.15.40.P55.5	15	40	39.7	5.5	2940	2	85

Type	Flux [m³/h]	Head [m]	Efficiency [η]	Power [kW]	Speed [r/min]	Motor poles	Weight [kg]
FS 50.18.32.P55.5.B	18	32	42.6	5.5	2940	2	87
FS 50.20.15.P22.5	20	15	52.0	2.2	2880	2	38.5
FS 50.20.30.P55.5	20	30	42.8	5.5	2940	2	85
FS 50.20.40.P75.5	20	40	50.6	7.5	2940	2	93
FS 50.25.10.P22.5	25	10	61.7	2.2	2880	2	38.5
FS 50.25.20.P30.5	25	20	55.4	3.0	2840	2	45
FS 50.25.25.P55.5	25	25	55.2	5.5	2940	2	85
FS 50.25.25.P40.5.B	25	25	46.8	4.0	2840	2	53
FS 50.25.27.P40.5.C	25	27	64.0	4.0	2840	2	51
FS 50.25.35.P75.5	25	35	49.4	7.5	2940	2	93
FS 65.15.10.P11.5	15	10	55.6	1.1	2850	2	28
FS 65.15.10.P11.5.B	15	10	53.4	1.1	2850	2	30
FS 65.20.25.P40.5	20	25	42.1	4.0	2840	2	53
FS 65.20.27.P40.5	20	27	49.7	4.0	2840	2	53
FS 65.20.60.T11.5	20	60	45.4	11	2930	2	96
FS 65.25.10.P15.5	25	10	56.4	1.5	2850	2	31
FS 65.25.10.P15.5.B	25	10	49.6	1.5	2850	2	29
FS 65.25.14.P22.5	25	14	61.2	2.2	2880	2	41.5
FS 65.25.14.P22.5.B	25	14	51.2	2.2	2880	2	43
FS 65.25.15.P30.5	25	15	57.3	3.0	2840	2	47
FS 65.25.18.P30.5	25	18	58.2	3.0	2840	2	47
FS 65.25.18.P30.5.B	25	18	54.7	3.0	2840	2	49
FS 65.25.31.P55.5	25	31	52.3	5.5	2940	2	87
FS 65.30.25.P55.5	30	25	62.4	5.5	2940	2	87
FS 65.30.25.P55.5.B	30	25	52.7	5.5	2940	2	88
FS 65.30.60.T15.5	30	60	45.2	15	2930	2	96
FS 65.35.7.P22.5	35	7	61.9	2.2	2880	2	41.5
FS 65.37.13.P30.5	37	13	58.3	3.0	2840	2	47
FS 65.40.10.P30.5	40	10	57.5	3.0	2840	2	47
FS 65.40.16.P40.5.B	40	16	43.2	4.0	2840	2	68
FS 65.40.50.T11.5	40	50	59.0	11	2930	2	96
FS 65.45.28.P75.5.B	45	28	57.2	7.5	2940	2	101
FS 65.50.55.T15.5	50	55	58.7	15	2930	2	96
FS 80.25.15.P22.5.C	25	15	58.9	2.2	2900	2	46
FS 80.35.13.P30.5	35	13	56.7	3.0	2850	2	48
FS 80.35.13.P30.5.B	35	13	56.7	3.0	2850	2	50
FS 80.35.40.T11.5.C	35	40	45.2	11	2930	2	131
FS 80.36.10.P22.5	36	10	59.3	2.2	1420	4	57
FS 80.36.10.P22.5.C	36	10	55.6	2.2	1420	4	66
FS 80.36.12.P22.5	36	12	58.1	2.2	1420	4	57
FS 80.36.16.P40.5	36	16	64.3	4.0	1420	4	54.5

Type	Flux [m³/h]	Head [m]	Efficiency [η]	Power [kW]	Speed [r/min]	Motor poles	Weight [kg]
FS 80.40.8.P22.5	40	8	57.9	2.2	2880	2	43.5
FS 80.40.8.P22.5.B	40	8	41.8	2.2	2880	2	56
FS 80.40.10.P22.5	40	10	55.3	2.2	2880	2	43.5
FS 80.40.12.P30.5.C	40	12	56.5	3.0	2850	2	46
FS 80.40.15.P40.5	40	15	58.5	4.0	2850	2	52
FS 80.40.17.P40.5.C	40	17	60.8	4.0	2850	2	49
FS 80.40.22.P55.5	40	22	61.3	5.5	2950	2	86.5
FS 80.40.22.P55.5.B	40	22	55.5	5.5	2950	2	88
FS 80.40.30.P75.5	40	30	50.5	7.5	2950	2	93
FS 80.45.9.P22.5	45	9	62.7	2.2	2880	2	43.5
FS 80.45.29.P75.5.C	45	29	54.9	7.5	2950	2	100
FS 80.48.38.T11.5	48	38	55	11	2930	2	135.5
FS 80.50.12.P40.5.B	50	12	56.9	4.0	2850	2	44
FS 80.50.22.P55.5.C	50	22	59.8	5.5	2940	2	100
FS 80.50.25.P75.5	50	25	61.2	7.5	2950	2	93
FS 80.60.11.P40.5	60	11	66.3	4.0	1450	4	54.5
FS 80.60.11.P40.5.C	60	11	61.5	4.0	1450	4	1
FS 80.60.28.T11.5.H	60	28	55.2	11	1450	4	266.5
FS 80.60.35.T15.5.H	60	35	54.4	15	1450	4	266.5
FS 80.60.40.P185.5.H	60	40	50.7	18.5	1450	4	351.5
FS 80.60.43.T22.5.H	80	43	55.1	22	1460	4	351.5
FS 100.45.22.P75.5	45	22	60.5	7.5	2940	2	99
FS 100.50.7.P22.5	50	7	60	2.2	2880	2	49
FS 100.50.10.P30.5.B	50	10	44.1	3.0	2840	2	51
FS 100.50.12.P40.5	50	12	62.3	4.0	2840	2	54.5
FS 100.60.9.P30.5	60	9	57.8	3.0	2840	2	51
FS 100.60.11.P40.5.B	60	11	48.8	4.0	2840	2	56
FS 100.60.17.P55.5	60	17	51.4	5.5	1440	4	133.5
FS 100.60.20.P75.5	60	20	55.3	7.5	1450	4	146.5
FS 100.65.15.P55.5	65	15	61.4	5.5	2940	2	90
FS 100.65.15.P55.5.B	65	15	58.5	5.5	2940	2	93
FS 100.65.18.P55.5	65	18	53.8	5.5	2940	2	90
FS 100.65.20.P75.5	65	20	60.5	7.5	2940	2	99
FS 100.70.14.P55.5	70	14	61.7	5.5	2940	2	90
FS 100.70.17.P75.5.B	70	17	52.3	7.5	2940	2	101
FS 100.80.15.P75.5	80	15	65.3	7.5	2940	2	99
FS 100.80.25.T11.5	80	25	53.4	11	2930	2	129.5
FS 100.80.35.P185.5	80	35	62.1	18.5	1460	4	306.5
FS 100.100.15.P75.5	100	15	60.5	7.5	2940	2	99
FS 100.100.22.T11.5.H	100	22	60.1	11	1440	4	271
FS 100.100.29.T15.5.H	100	29	63.7	15	1440	4	271

Type	Flux [m³/h]	Head [m]	Efficiency [η]	Power [kW]	Speed [r/min]	Motor poles	Weight [kg]
FS 100.100.30.T15.5	100	30	62.1	15	2940	2	137
FS 100.100.32.P185.5.H	100	32	61.9	18.5	1460	4	331.5
FS 100.100.34.T22.5.H	100	34	68.7	22	1460	4	331.5
FS 100.100.35.T22.5	100	35	62.4	22	1460	4	311.5
FS 100.100.39.T22.5	100	39	55.5	22	1460	4	311.5
FS 150.100.7.P55.5	100	7	65.9	5.5	2940	2	103
FS 150.100.10.P55.5	100	10	65.8	5.5	2940	2	103
FS 150.100.17.P75.5	100	17	71.9	7.5	2940	2	110
FS 150.120.25.T15.5	120	25	61.4	15	2930	2	146
FS 150.140.10.P75.5.B	140	10	56	7.5	2940	2	121
FS 150.140.14.T11.5.B	140	14	60.8	11	1440	4	217
FS 150.150.10.P75.5	150	10	62.8	7.5	2940	2	106
FS 150.150.16.T11.5	150	16	68.1	11	1440	4	217
FS 150.150.20.T15.5	150	20	68	15	1440	4	238
FS 150.150.24.P185.5	150	24	66.3	18.5	1460	4	293.5
FS 150.150.27.T22.5	150	27	62.2	22	1460	4	321.5
FS 150.150.35.T37.5	150	35	50.3	37	1470	4	700.5
FS 150.180.20.P185.5	180	20	65.1	18.5	1460	4	293.5
FS 150.180.25.T22.5	180	25	62.7	22	1460	4	556.5
FS 150.200.16.P185.5	200	16	65.1	18.5	1460	4	293
FS 150.200.16.T15.5.B	200	16	68.7	15	1440	4	238
FS 150.200.22.T22.5	200	22	62.2	22	1460	4	681.5
FS 150.200.28.T30.5	200	28	65.9	30	1450	4	711.5
FS 150.200.35.T37.5	200	35	72.4	37	1470	4	686.5
FS 150.200.45.T55.5	200	45	61.2	22	1480	4	691.5
FS 150.240.7.P75.5	240	7	61.6	7.5	1450	4	127
FS 150.250.14.P185.5	250	14	66.5	18.5	1460	4	293
FS 150.270.16.T22.5	270	16	69	22	1460	4	691.5
FS 150.270.40.T55.5	270	40	61.2	55	1480	4	846.5
FS 200.210.10.T11.5.B	210	10	65.8	11	1450	4	256.5
FS 200.250.15.P185.5	250	15	66.5	18.5	1460	4	931.5
FS 200.250.22.T30.5	250	22	62	30	1450	4	711.5
FS 200.250.40.T55.5	250	40	64.2	55	1480	4	851.5
FS 200.270.10.T11.5	270	10	74.1	11	1450	4	851.5
FS 200.270.14.T15.5	270	14	75.8	15	1450	4	231
FS 200.270.16.T22.5	270	16	69	22	1460	4	551
FS 200.270.28.T37.5	270	28	57.2	37	1470	4	931.5
FS 200.300.10.T15.5.B	300	10	63.2	15	1450	4	231
FS 200.300.12.P185.5	300	12	66.3	18.5	1460	4	321
FS 200.300.15.T22.5	300	15	61.8	22	1450	4	681.5
FS 200.300.26.T37.5	300	26	59.7	37	1470	4	941.5

Type	Flux [m³/h]	Head [m]	Efficiency [η]	Power [kW]	Speed [r/min]	Motor poles	Weight [kg]
FS 200.300.26.T37.5	300	26	59.7	37	1470	4	941.5
FS 200.350.25.T37.5	350	25	63.6	37	1470	4	851.5
FS 200.350.40.T75.5	350	40	66.6	75	1480	4	920.5
FS 200.360.17.T30.5	360	17	61.8	30	1450	4	701.5
FS 200.400.10.T22.5	400	10	61.7	22	1450	4	691.5
FS 200.400.15.T30.5	400	15	61.8	30	1450	4	686.5
FS 200.400.22.T37.5	400	22	62.7	37	1470	4	846.5
FS 200.400.25.T45.5	400	25	65.2	45	1470	4	851
FS 200.400.30.T55.5	400	30	64	55	1480	4	851.5
FS 200.500.30.T75.5	500	30	66.7	75	1480	4	920.5
FS 250.360.20.T30.5	360	20	65.3	30	1460	4	486.5
FS 250.360.28.T45.5	360	28	64.7	45	1470	4	686.5
FS 250.400.15.T30.5	400	15	65.3	30	1460	4	486.5
FS 250.420.22.T37.5	420	22	73.1	37	1470	4	551.5
FS 250.600.9.T30.5	600	9	48.9	30	1460	4	486.5
FS 250.600.10.T22.5	600	10	60.5	22	983	6	650.5
FS 250.600.12.T37.5	600	12	61.2	37	1470	4	551.5
FS 250.600.28.T75.5	600	28	65.6	75	1480	4	931.5
FS 300.500.15.T37.5	500	15	64.7	37	1450	4	651
FS 300.550.18.T37.5	548.2	18.3	73.5	37	1450	4	651.5
FS 300.600.18.T45.5	600	18	63	45	1470	4	691.5
FS 300.600.20.T55.5	600	20	61.4	55	1450	4	866.5
FS 300.700.8.T22.5	700	8	71.3	22	983	6	659
FS 300.800.9.T30.5	800	9	72	30	983	6	701.5
FS 300.800.11.T37.5	800	11	68.1	37	983	6	730
FS 300.800.12.T45.5	800	12	66.8	45	1470	4	691.5
FS 300.800.20.T75.5	800	20	69.5	75	1450	4	957.5
FS 300.900.13.T45.5	900	13	70.9	45	983	6	1040.5
FS 300.900.16.T55.5	900	16	75.1	55	983	6	1094.5
FS 350.960.5.5.T22.5	960	5.5	72.4	22	735	6	751.5
FS 350.960.7.T30.5	960	7	71.1	30	980	6	742.5
FS 350.1100.8.T37.5	1100	8	74.8	37	980	6	771
FS 400.1200.16.T75.5	1200	16	73.4	75	980	6	1209
FS 400.1600.7.T45.5	1600	6.6	70.8	45	980	6	1046.5
FS 400.1600.9.T55.5	1600	9	72.5	55	980	6	1078.5
FS 500.2000.9.T75.5	2000	9	74.3	75	980	6	1525.5

Table1

Type	Diameter mm	S	S1	R	T	T1	Weight [kg]
FS 50.10.10.Z75	50	400	93	300	217	312	23
FS 50.15.10.P11	50	415	93	315	217	312	27
FS 50.12.15.P15	50	493	103	370	250	345	35
FS 50.15.18.P22	50	518	103	390	250	345	39
FS 50.15.25.P30	50	535	120	405	291	386	47
FS 50.25.25.P40	50	565	120	435	291	386	52
FS 50.25.32.P40	50	565	120	435	291	386	52
FS 50.18.38.P50	50	650	123	510	313	408	86
FS 50.20.42.Z75	50	690	123	550	313	408	86
FS 50.20.55.P11	50	765	128	480	346	441	122
FS 50.20.60.P15	50	805	128	520	346	441	130
FS 65.15.7.Z75	65	400	93	300	217	312	23
FS 65.15.10.P11	65	415	93	315	217	312	29
FS 65.25.10.P15	65	493	103	370	250	355	38
FS 65.25.14.P22	65	518	103	390	250	355	42
FS 65.25.18.P30	65	535	120	405	291	396	48
FS 65.40.16.P40	65	565	120	435	291	396	67
FS 65.30.25.P55	65	650	123	510	313	418	87
FS 65.30.35.P75	65	690	123	550	313	418	87
FS 65.40.45.T11	65	765	128	480	346	441	122
FS 65.40.50.T15	65	805	128	520	346	441	130
FS 80.35.7.P15	80	505	107	390	276	401	51
FS 80.35.7.P15	80	530	107	415	276	401	55
FS 80.35.13.P30	80	560	130	430	295	420	49
FS 80.50.12.P40	80	590	130	460	295	420	43
FS 80.40.22.P55	80	660	125	520	325	450	87
FS 80.45.28.P75	80	700	125	560	325	450	87
FS 80.60.35.T11	80	775	136	490	340	490	122
FS 80.60.40.T15	80	815	136	530	340	490	130
FS 100.50.10.P30	100	578	136	458	306	456	50
FS 100.60.11.P40	100	608	136	488	306	456	55
FS 100.65.15.P55	100	690	143	550	320	470	92
FS 100.70.17.P75	100	30	143	590	320	470	100
FS 100.100.25.T11	100	775	136	490	340	490	125
FS 100.100.30.T15	100	815	136	530	340	490	133
FS 150.100.10.P55	150	707	150	567	356	556	112
FS 150.140.10.P75	150	747	150	607	356	556	120
FS 150.140.15.T11	150	805	168	520	398	598	128
FS 150.150.20.T15	150	845	168	560	398	598	136
FS 200.210.10.T11	200	835	199	550	413	670	132
FS 200.300.10.T15	200	875	199	590	413	670	140

* 更多数据请联系法乔拉蒂。

Table2

Type	Diameter mm	S	S1	R	T	T1	Weight [kg]
FS 100.80.35.P185	100	1100	244	710	545	696	290
FS 100.100.35.T22	100	1100	244	710	545	696	300
FS 100.100.45.T30	100	1150	244	750	545	696	320
FS 150.180.20.P185	150	1140	258	750	523	725	295
FS 150.180.25.T22	150	1140	258	750	523	725	305
FS 150.200.28.T30	150	1190	258	800	523	725	325
FS 150.150.35.T37	150	1300	280	900	622	825	590
FS 150.200.35.T45	150	1300	280	900	622	825	630
FS 150.200.45.T55	150	1600	330	1200	750	950	790
FS 150.200.50.T75	150	1600	330	1200	750	950	850
FS 200.300.12.P185	200	1150	260	750	566	826	300
FS 200.300.15.T22	200	1150	260	750	566	826	310
FS 200.400.10.T22	200	1150	260	750	566	826	310
FS 200.250.22.T30	200	1200	260	810	566	826	330
FS 200.400.15.T30	200	1200	260	810	566	826	330
FS 200.300.26.T37	200	1300	358	900	699	960	610
FS 200.400.22.T37	200	1300	258	900	699	960	610
FS 200.400.25.T45	200	1300	258	900	699	960	650
FS 200.400.30.T55	200	1600	330	1200	770	1000	810
FS 200.350.40.T55	200	1600	330	1200	770	1000	870
FS 200.500.30.T75	200	1600	330	1200	770	1000	870
FS 250.400.15.T30	250	690	262	550	632	962	342
FS 250.500.15.T37	250	1350	300	950	750	1080	630
FS 250.600.15.T45	250	1350	300	950	750	1080	670
FS 250.500.23.T55	250	1650	320	1250	820	1150	810
FS 250.600.28.T75	250	1650	320	1250	820	1150	880
FS 300.600.9.T30	300	690	262	550	687	1090	350
FS 300.600.12.T37	300	1370	292	970	720	1120	650
FS 300.800.12.T45	300	1370	292	970	720	1120	690
FS 300.600.20.T55	300	1680	320	1280	850	1250	830
FS 300.800.20.T75	300	1680	320	1280	850	1250	905

* 更多数据请联系法乔拉蒂。

We offer a range of services to extend the life of your equipment, from simple plant maintenance services to full program operation and maintenance.
Not only are we experts in meeting the needs of our customers' equipment, but we also customize operation and maintenance service plans over the life of the equipment, and all of FAGGIOLATI's services feature high-quality procedures to meet the needs of our customers.

[Installation and Commissioning]

Installation and commissioning of equipment can sometimes be a complex task, and poor quality installations or incorrect installations may not be easily detected, but are often the root cause of high operating costs, low reliability and shortened equipment life. FAGGIOLATI's equipment installation services are carried out by specially trained engineers who understand how to work safely and who have extensive installation and commissioning experience. Our service engineers can also demonstrate how to operate the equipment and recommend more cost effective maintenance programs.

These services include:
- Mechanical equipment installation
- Electrical equipment installation
- On-site commissioning and testing
- Remote monitoring and maintenance

[Regular maintenance]

Regular maintenance of equipment reduces the probability of major breakdowns and emergency downtime. This means lower costs and greater predictability to minimize defects and increase customer satisfaction. FAGGIOLATI Scheduled Maintenance Services include comprehensive technical support activities, including routine site visits to monitor equipment conditions and scheduled equipment overhauls to restore effective operations.

These efforts will result in:
- Reduced downtime, saving the customer costs and time consumption
- Efficient, energy-saving operation of the equipment
- Low wear and tear on equipment
- Proper setting of parameters and warnings
- More safety and security.

FAGGIOLATI maintains a collaborative relationship with the client's staff so that all work can be done efficiently and with minimal disruption to the site. Our work includes:
- On-site maintenance and repair
- On-site equipment inspections
- Energy management services

[Factory Spare Parts]
The production process supported by ERP information software; just-in-time and automated production; sufficient stock of standardized parts and perfect logistics system to ensure fast delivery of commonly used spare parts. Our software system and the technical assistance of product specialists can help customers quickly identify equipment and parts selection.

We have an extensive work network, factory maintenance using original spare parts to enhance the value of the equipment - to improve equipment reliability, reduce energy consumption.
In most markets, we offer our customers:
- Repair of Faggiolati equipment
- Repair of non-Faggiolati equipment
- Installation and dismantling
- Commissioning and testing after repair

[Replacement and upgrading]

As equipment ages, operating costs rise and naturally pale in comparison to brand new products. Our technical support staff can help customers identify and prioritize which parts to replace or upgrade and when. We will help select a more suitable replacement product, provide customers with selection assistance and technical support, as well as installation and commissioning as may be required.

[Information security management]

With the development of the times, information security and confidentiality play an increasingly important role. FAGGIOLATI attaches great importance to the security of our customers' information, and we are ISO27001 certified for our information security management system, which protects all data in the operation of our customers' equipment from unauthorized access, use, leakage, modification, and destruction due to accidental or malicious reasons by taking a series of measures necessary for this purpose. We ensure our customers' environmental security, data security, program security, and system security through technical and managerial security protection for the establishment of data processing systems.

FAGGIOLATI®

Always Be Bettter