

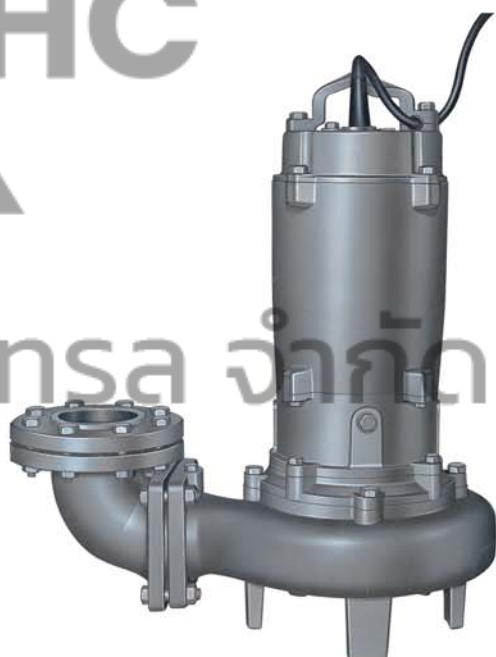
GSD INDUSTRIAL CO., LTD.

CP

沉水式污物（泥）泵

HC

บริษัท ไฮ คอนโทรล จำกัด.



川源股份有限公司

用途

- 废水扬升站
- 都市废水处理厂
- 一楼化粪池排水系统
- 农畜牧业废水处理系统
- 医院、学校、社区等生活废水处理系统
- 食品、造纸、采矿、纺织、皮革、化学工厂等工业之水处理系统
- 净水处理系统

特点

电动机

鼠笼式感应电动机，F级绝缘，防护等级IP68。

不阻塞叶轮

采用最新无堵塞理论设计的叶轮，流道宽大，水流畅通，污物容易通过，效率高。
所有叶轮均经动、静平衡校正，最大程度的减少了振动和噪音，运转平稳，寿命长。

机械密封

机械密封的作用是阻绝抽送介质与电动机部分接触，双机械密封串联相互独立工作，为电动机提供双重保护。

自动着脱装置（选用配备）

使泵浦安装、保养、修护迅速容易，毋须先清除桶槽污水。

测漏检知器

在油室内加装测漏检知器，可检测因密封不良或机械密封损坏造成之泄漏（<15kW选用配备，≥15kW标准配备）。
在接线盒内加装测漏检知器，可对接线盒内的泄漏发出报警信号，使控制系统对泵实施保护（非标准配备，≥18.5kW可选配）。

过热保护器

在电动机中加装过热保护器，对过载、温升等状况自动进行检测，避免由于电动机过热造成电机烧毁（<15kW选用配备，≥15kW标准配备）。
在轴承中加装过热保护器，当轴承温度升至断开温度时，保护器自动切断电源，起到保护轴承的作用（选用配备）。

水冷夹套（选用配备）

泵工作时利用泵腔内压力使液体连续进入水冷夹套与电动机外壳的空间以带走电动机产生的热量，从而保证水泵正常工作（≥18.5kW可选配）。

APPLICATIONS

- Wastewater lift station.
- Municipal wastewater treatment plant.
- Building wastewater treatment system.
- Animal & poultry farm wastewater treatment system.
- Hospital, school, community, etc. wastewater treatment system.
- Food, paper, mining, textile, leather, chemical industry, etc. wastewater treatment system.
- Water purification system.

FEATURES

MOTOR

Squirrel-cage, induction motors are F class insulation, motor protection grade is IP68.

NON-CLOG IMPELLER

Well statically & dynamically balanced Non-Clog impeller is designed to allow sizable spherical solids to pass the plow passage easily without clogging.
It adopts rigorous technics so that vibration and noise can be farthest reduced.

MECHANICAL SEAL

The mechanical seals protect the motor from contacting the pumping liquids. Two ways of the seal are in series with each other and individually work to provide the motor with a dual protection.

AUTO-SETTER(OPTIONS)

To allow pump for easy installation, maintenance & reparation, as it is no need to empty the tank first.

LEAKAGE DETECTOR

Built-in leakage detector in the oil chamber can detect leakage from the damage of the mechanical seal. (Less than 15kW options, No less than 15kW standard)
Built-in leakage detector in the wiring box can check if a leakage in it. The leakage detector offers pump an automatic protection. (Not standard, No less than 18.5kW options)

HEAT-PROTECTOR

Built-in heat protector in motor, can prevent the motor from burning out, overload & overheating. (Less than 15kW options, No less than 15kW standard)
Built-in heat protector in bearing, when the bearing is abnormal and the temperature rises to disconnecting temperature, the protector automatically cut off power supply to protect the bearing. (Options)

COOLING HOUSE (OPTIONS)

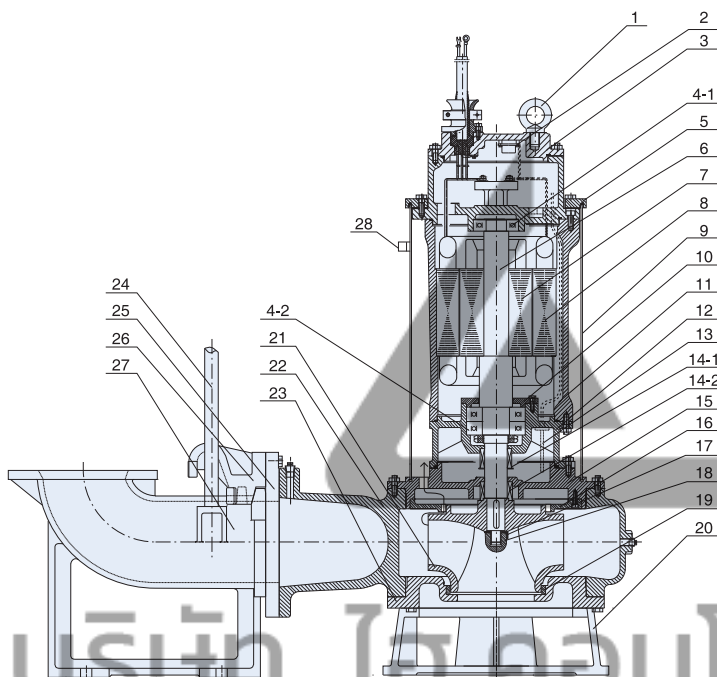
Pumps make use of inner pressure of pump cavity to make liquid continually entering to space between cooling house and motor outer, to take away the heat of the motor. (No less than 18.5kW options)

型号说明 TYPE DESCRIPTION

| | | |
|-----------------|---------------------------------|-----------|
| CP - 5 37 - 300 | Outlet diameter(mm) | 出口口径 |
| | Rated power(kW) | 额定功率 |
| | 5: 50Hz | 频率 |
| | Submersible solid handling pump | 沉水式污物(泥)泵 |

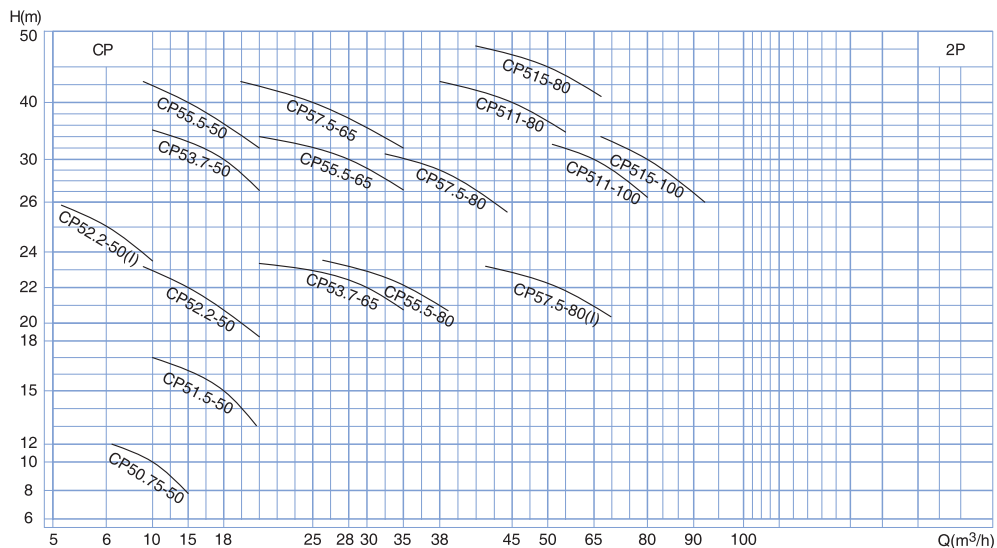
结构简图 CONSTRUCTION

注：机型不同结构略有不同



| No. | 名称 Name | 材质 Material |
|------|-------------------------------|----------------------------------|
| 1 | 吊环 Neck bolt | SUS420 |
| 2 | 过热保护器 Heat-Protector | |
| 3 | 马达盖 Motor cover | FC200 |
| 4-1 | 轴承 Bearing | |
| 4-2 | 轴承 Bearing | |
| 5 | 水冷套法兰 Cooling house flange | SS34 |
| 6 | 主轴 Shaft | SUS420 |
| 7 | 转子 Rotor | |
| 8 | 定子 Stator | |
| 9 | 水冷夹套 Cooling house | SUS304 |
| 10 | 轴承压盖 Bearing cover | FC200 |
| 11 | 马达本体 Motor casing | FC200 |
| 12 | 中承座 Bracket | FC200 |
| 13 | 漏水检知器 Leak detector | |
| 14-1 | 机械密封 Mechanical seal | C-Al ₂ O ₃ |
| 14-2 | 机械密封 Mechanical seal | SiC-SiC |
| 15 | 油箱 Oil box | FC200 |
| 16 | 油箱底盖 Oil cover | FC200 |
| 17 | 止退垫圈 Washer | SUS304 |
| 18 | 叶轮螺母 Impeller nut | FC200 |
| 19 | 密封环 Seal-ring | LBC2 |
| 20 | 滤底座 Strainer | FC200 |
| 21 | 叶轮 Impeller | FC200 |
| 22 | 泵体 Pump casing | FC200 |
| 23 | 泵体底盖 Bottom cover | FC200 |
| 24 | 引导管 Pail piping | SS34 |
| 25 | 配合凸缘 Flange setter | FC200 |
| 26 | 引导板 Slide | FC200 |
| 27 | 着脱 Duckfoot | FC200 |
| 28 | 出水口 Discharge | SS34 |

型谱图 PERFORMANCE CHART





| 型号 | 行业型号 | 转速 SPEED (r/min) | 流量 CAPACITY (m³/h) | 扬程 HEAD (m) | 效率 EFF (%) | 电机功率 POWER (kW) | 口径 DIA (mm) | 重量 WEIGHT (kg) |
|--------------|-----------------|------------------------|--------------------------|-------------------|--------------------|-----------------------|-------------------|----------------------|
| CP50.75-50 | 50QW-10-10-0.75 | 2840 | 10 | 10 | 48 | 0.75 | 50 | 36 |
| CP51.5-50 | 50QW-18-15-1.5 | 2840 | 18 | 15 | 60 | 1.5 | 50 | 40 |
| CP52.2-50 | 50QW-15-22-2.2 | 2840 | 15 | 22 | 53 | 2.2 | 50 | 60 |
| CP52.2-50(I) | 50QW-6-30-2.2 | 2840 | 6 | 25 | 30 | 2.2 | 50 | 55 |
| CP53.7-50 | 50QW-18-30-4 | 2840 | 18 | 30 | 50 | 3.7 | 50 | 65 |
| CP55.5-50 | 50QW-15-40-5.5 | 2860 | 15 | 40 | 43 | 5.5 | 50 | 85 |
| CP53.7-65 | 50QW-30-22-4 | 2840 | 30 | 22 | 62 | 3.7 | 65 | 64 |
| CP55.5-65 | 50QW-28-30-5.5 | 2860 | 28 | 30 | 58 | 5.5 | 65 | 92 |
| CP57.5-65 | 50QW-25-40-7.5 | 2860 | 25 | 40 | 45 | 7.5 | 65 | 165 |
| CP55.5-80 | 80QW-35-22-5.5 | 2860 | 35 | 22 | 55 | 5.5 | 80 | 92 |
| CP57.5-80 | 80QW-38-30-7.5 | 2860 | 38 | 30 | 53 | 7.5 | 80 | 170 |
| CP57.5-80(I) | 80QW-55-22-7.5 | 2860 | 55 | 22 | 56 | 7.5 | 80 | 165 |
| CP511-80 | 80QW-45-40-11 | 2860 | 45 | 40 | 60 | 11 | 80 | 195 |
| CP515-80 | 80QW-50-45-15 | 2860 | 50 | 45 | 51 | 15 | 80 | 200 |
| CP511-100 | 100QW-65-30-11 | 2860 | 65 | 30 | 66 | 11 | 100 | 220 |
| CP515-100 | 100QW-80-30-15 | 2860 | 80 | 30 | 58 | 15 | 100 | 230 |



4P/6P/8P

| 型号 | 行业型号 | 转速 SPEED (r/min) | 流量 CAPACITY (m³/h) | 扬程 HEAD (m) | 效率 EFF (%) | 电机功率 POWER (kW) | 口径 DIA (mm) | 重量 WEIGHT (kg) |
|---------------|------------------|------------------------|--------------------------|-------------------|------------------|-----------------------|-------------------|----------------------|
| CP50.75-50 | 50QW10-10-0.75 | 1450 | 10 | 10 | 50 | 0.75 | 50 | 50 |
| CP51.5-65 | 50QW25-10-1.5 | 1450 | 25 | 10 | 60 | 1.5 | 65 | 60 |
| CP51.5-65(I) | 50QW18-15-1.5 | 1450 | 18 | 15 | 60 | 1.5 | 65 | 70 |
| CP52.2-65 | 50QW23-15-2.2 | 1450 | 23 | 15 | 60 | 2.2 | 65 | 70 |
| CP53.7-65 | 50QW30-18-4 | 1450 | 30 | 18 | 55 | 3.7 | 65 | 130 |
| CP55.5-65 | 50QW26-33-5.5 | 1450 | 26 | 33 | 45 | 5.5 | 65 | 190 |
| CP51.5-80 | 80QW30-8.5-1.5 | 1450 | 30 | 8.5 | 60 | 1.5 | 80 | 60 |
| CP52.2-80 | 80QW40-10-2.2 | 1450 | 40 | 10 | 60 | 2.2 | 80 | 70 |
| CP53.7-80 | 80QW45-15-4 | 1450 | 45 | 15 | 62 | 3.7 | 80 | 130 |
| CP55.5-80 | 80QW35-22-5.5 | 1450 | 35 | 22 | 55 | 5.5 | 80 | 180 |
| CP57.5-80 | 80QW55-22-7.5 | 1450 | 55 | 22 | 62 | 7.5 | 80 | 200 |
| CP57.5-80(I) | 80QW36-33-7.5 | 1450 | 36 | 33 | 50 | 7.5 | 80 | 240 |
| CP511-80 | 80QW45-40-11 | 1450 | 45 | 40 | 60 | 11 | 80 | 320 |
| CP515-80 | 80QW50-45-15 | 1450 | 50 | 45 | 51 | 15 | 80 | 360 |
| CP53.7-100 | 100QW75-10-4 | 1450 | 75 | 10 | 70 | 3.7 | 100 | 130 |
| CP55.5-100 | 100QW95-12-5.5 | 1450 | 95 | 12 | 68 | 5.5 | 100 | 208 |
| CP57.5-100 | 100QW100-15-7.5 | 1450 | 100 | 15 | 70 | 7.5 | 100 | 250 |
| CP511-100 | 100QW90-22-11 | 1450 | 90 | 22 | 68 | 11 | 100 | 295 |
| CP515-100 | 100QW100-26-15 | 1450 | 100 | 26 | 65 | 15 | 100 | 300 |
| CP519-100 | 150QW110-30-18.5 | 1450 | 110 | 30 | 66 | 18.5 | 100 | 350 |
| CP55.5-150 | 150QW180-6-5.5 | 1450 | 180 | 6 | 73 | 5.5 | 150 | 210 |
| CP57.5-150 | 150QW130-12-7.5 | 1450 | 130 | 12 | 70 | 7.5 | 150 | 230 |
| CP511-150 | 150QW145-15-11 | 1450 | 145 | 15 | 72 | 11 | 150 | 270 |
| CP515-150 | 150QW200-15-15 | 1450 | 200 | 15 | 74 | 15 | 150 | 300 |
| CP515-150(I) | 150QW130-22-15 | 1450 | 130 | 22 | 70 | 15 | 150 | 300 |
| CP519-150 | 150QW170-22-19 | 1450 | 170 | 22 | 73 | 18.5 | 150 | 350 |
| CP522-150 | 150QW200-22-22 | 1450 | 200 | 22 | 73 | 22 | 150 | 380 |
| CP522-150(I) | 150QW135-30-22 | 1450 | 135 | 30 | 69 | 22 | 150 | 380 |
| CP57.5-200 | 150QW250-6-7.5 | 1450 | 250 | 6 | 72 | 7.5 | 200 | 230 |
| CP511-200 | 150QW210-10-11 | 1450 | 210 | 10 | 70 | 11 | 200 | 270 |
| CP515-200 | 200QW300-10-15 | 1450 | 300 | 10 | 72 | 15 | 200 | 300 |
| CP519-200 | 150QW250-15-18.5 | 1450 | 250 | 15 | 75 | 18.5 | 200 | 350 |
| CP522-200 | 150QW250-18-22 | 1450 | 250 | 18 | 72 | 22 | 200 | 380 |
| CP522-200(I) | 200QW450-10-22 | 1450 | 450 | 10 | 72 | 22 | 200 | 480 |
| CP530-200 | 200QW420-15-30 | 980 | 420 | 15 | 76 | 30 | 200 | 950 |
| CP530-200(I) | 200QW280-22-30 | 980 | 280 | 22 | 74 | 30 | 200 | 900 |
| CP537-200 | 200QW350-22-37 | 980 | 350 | 22 | 75 | 37 | 200 | 1100 |
| CP537-200(I) | 200QW280-26-37 | 980 | 280 | 26 | 70 | 37 | 200 | 1100 |
| CP537-200(II) | 200QW400-24-37 | 980 | 400 | 24 | 79 | 37 | 200 | 1280 |
| CP545-200 | 200QW300-30-45 | 980 | 300 | 30 | 72 | 45 | 200 | 1420 |
| CP545-200(I) | 200QW250-35-45 | 980 | 250 | 35 | 67 | 45 | 200 | 1280 |
| CP555-200 | 200QW250-40-55 | 980 | 250 | 40 | 65 | 55 | 200 | 1500 |
| CP555-200(I) | 200QW400-30-55 | 980 | 400 | 30 | 76 | 55 | 200 | 1500 |
| CP575-200 | 200QW350-40-75 | 980 | 350 | 40 | 70 | 75 | 200 | 1650 |
| CP515-250 | 250QW500-6-15 | 1450 | 500 | 6 | 71 | 15 | 250 | 460 |
| CP519-250 | 250QW600-6-18.5 | 1450 | 600 | 6 | 71 | 18.5 | 250 | 520 |
| CP519-250(I) | 250QW350-10-18.5 | 1450 | 350 | 10 | 71 | 18.5 | 250 | 550 |
| CP522-250 | 250QW700-6-22 | 1450 | 700 | 6 | 73 | 22 | 250 | 650 |
| CP530-250 | 250QW460-13-30 | 980 | 460 | 13 | 75 | 30 | 250 | 980 |
| CP537-250 | 250QW500-15-37 | 980 | 500 | 15 | 77 | 37 | 250 | 1450 |
| CP545-250 | 250QW420-22-45 | 980 | 420 | 22 | 76 | 45 | 250 | 1500 |
| CP555-250 | 250QW520-22-55 | 980 | 520 | 22 | 78 | 55 | 250 | 1600 |
| CP555-250(I) | 250QW600-20-55 | 980 | 600 | 20 | 70 | 55 | 300 | 1380 |
| CP575-250 | 250QW500-30-75 | 980 | 500 | 30 | 76 | 75 | 250 | 1650 |
| CP575-250(I) | 250QW700-22-75 | 990 | 700 | 22 | 78 | 75 | 250 | 1700 |
| CP575-250(II) | 250QW600-25-75 | 990 | 600 | 25 | 69 | 75 | 250 | 1750 |
| CP590-250 | 250QW600-30-90 | 990 | 600 | 30 | 70 | 90 | 250 | 2000 |
| CP5110-250 | 250QW700-33-110 | 990 | 700 | 33 | 73 | 110 | 250 | 2200 |
| CP530-300 | 250QW600-10-30 | 980 | 600 | 10 | 75 | 30 | 300 | 1500 |

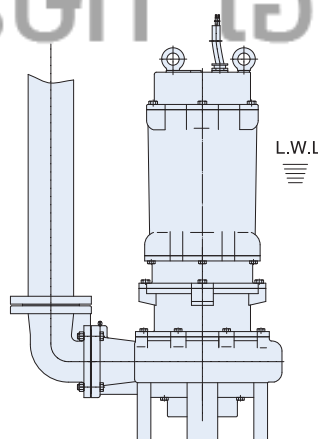
4P/6P/8P

| 型号 | 行业型号 | 转速 SPEED (r/min) | 流量 CAPACITY (m³/h) | 扬程 HEAD (m) | 效率 EFF (%) | 电机功率 POWER (kW) | 口径 DIA (mm) | 重量 WEIGHT (kg) |
|---------------|------------------|------------------------|--------------------------|-------------------|------------------|-----------------------|-------------------|----------------------|
| CP537-300 | 250QW750-10-37 | 980 | 750 | 10 | 77 | 37 | 300 | 1550 |
| CP545-300 | 250QW600-15-45 | 980 | 600 | 15 | 78 | 45 | 300 | 1600 |
| CP545-300(I) | 250QW1260-8-45 | 980 | 1260 | 8 | 71 | 45 | 300 | 1280 |
| CP555-300 | 300QW800-15-55 | 980 | 800 | 15 | 79 | 55 | 300 | 1650 |
| CP590-300 | 300QW850-22-90 | 980 | 850 | 22 | 79 | 90 | 300 | 1800 |
| CP5110-300 | 300QW1100-22-110 | 980 | 1100 | 22 | 79 | 110 | 300 | 2000 |
| CP5110-300(I) | 300QW950-24-110 | 990 | 950 | 24 | 80 | 110 | 300 | 2200 |
| CP530-350 | 300QW1000-6-30 | 980 | 1000 | 6 | 75 | 30 | 350 | 1500 |
| CP537-350 | 350QW1300-6-37 | 980 | 1300 | 6 | 77 | 37 | 350 | 1550 |
| CP545-350 | 350QW900-10-45 | 980 | 900 | 10 | 75 | 45 | 350 | 1650 |
| CP555-350 | 350QW1100-10-55 | 980 | 1100 | 10 | 75 | 55 | 350 | 1700 |
| CP575-350 | 350QW1100-15-75 | 980 | 1100 | 15 | 78 | 75 | 350 | 1800 |
| CP590-350 | 350QW1200-18-90 | 990 | 1200 | 18 | 78 | 90 | 350 | 2000 |
| CP590-350(I) | 350QW1500-15-90 | 990 | 1500 | 15 | 80 | 90 | 350 | 2000 |
| CP5132-350 | 350QW1085-28-132 | 740 | 1085 | 28 | 67 | 132 | 350 | 2500 |
| CP5160-350 | 350QW1000-36-160 | 740 | 1000 | 36 | 61 | 160 | 350 | 2880 |
| CP575-400 | 400QW1500-10-75 | 990 | 1500 | 10 | 80 | 75 | 400 | 1750 |
| CP590-400 | 400QW2000-10-90 | 980 | 2000 | 10 | 80 | 90 | 400 | 2200 |
| CP5132-400 | 400QW2000-15-132 | 740 | 2000 | 15 | 72 | 132 | 400 | 2520 |
| CP5160-400 | 400QW1500-26-160 | 740 | 1500 | 26 | 72 | 160 | 400 | 2880 |
| CP5160-400(I) | 400QW1700-22-160 | 740 | 1700 | 22 | 64 | 160 | 400 | 2880 |
| CP5200-400 | 400QW1700-30-200 | 740 | 1700 | 30 | 67 | 200 | 400 | 3850 |
| CP5250-400 | 400QW1800-32-250 | 740 | 1800 | 32 | 62 | 250 | 400 | 4690 |
| CP5250-400(I) | 400QW2400-22-250 | 740 | 2400 | 22 | 75 | 250 | 400 | 4280 |
| CP5110-450 | 450QW2200-10-110 | 990 | 2200 | 10 | 80 | 110 | 450 | 2200 |
| CP5160-500 | 500QW2600-15-160 | 740 | 2600 | 15 | 78 | 160 | 500 | 2880 |
| CP5250-500 | 500QW2650-24-250 | 740 | 2650 | 24 | 80 | 250 | 500 | 4690 |

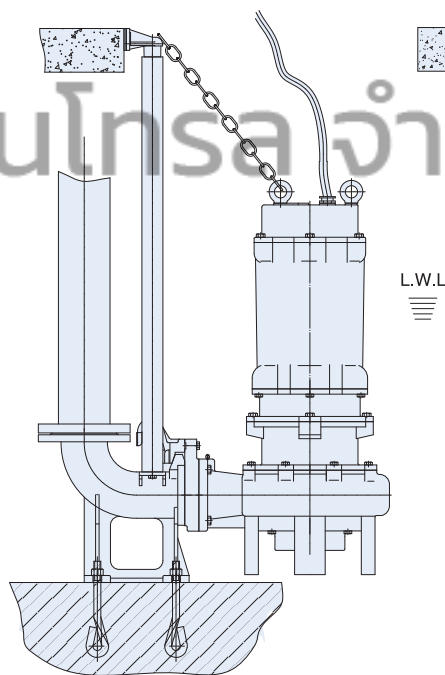
安装示意图

INSTALLATION SKETCH MAP

บริษัท ไฮ คอนโทรล จำกัด



未附着脱 without autosetter



附着脱 with autosetter