



## TPK Series Electric Control Panel



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## 概述 OUTLINE

该产品精选进口及国产优质元器件，经久耐用，并具有过载、短路、过流、断相、漏水保护等功能，产品还具有定时自动切换、交替自动切换及故障备泵自投等功能。本产品可广泛应用于高层民用、消防、居民小区供水、锅炉给水、空调循环、冷却供水系统及污水排放等多种场合。

另外还可根据客户的特殊要求，代客设计、安装、调试。连成公司拥有完整的设计工艺、先进的生产检测设备及严格的质量保证体系、售后服务，在产品日趋完善的同时，更好的服务于用户，使用户无后顾之忧。



## 应用领域 APPLICATION

- 城乡居民生活小区、高层建筑宾馆、饭店及较大型建筑生活供水和消防、喷淋用泵的控制
- 供热和空调系统的冷热水循环及空调冷却系统用泵的控制
- 污水处理系统
- 农业排、喷灌等系统用泵的控制
- 高层建筑的鼓风机控制及多种应用场合的通风机控制
- 空气压缩机、粉碎机械、灌装机、绕线机、扶梯、研磨机、吊车等机械装备的控制

This product is durable with the choice of both domestic and imported excellent components and has the functions of overload, short-circuit, overflow, phase-off, water leak protection and automatic timing switch, alternate switch and starting of the spare pump at a failure and can be used for water supply for high buildings, fire-fighting, residential quarters, boilers, air-conditioning circulation, cooling system and for sewage drainage etc. many fields.

Besides, those designs, installations and debuggings with special requirements can also be provided for the users. This Co. holds complete design technologies, advanced production and detection equipments and strict quality guarantee system and post-sale service and will provide users with better services to get rid of their troubles back at some while making the products perfected day by day.

- Living water supply in the residential quarter of cities and villages, high buildings, hotels and larger buildings and fire-fighting and spraying pumps control.
- The cold-hot water circulation in the heat supply and air-conditioning system and the pump used for the air-conditioning cooling system control.
- Sewage treatment system
- The pump control used for agricultural irrigation and drainage etc. Systems.
- The blower control in high buildings and in various applications.
- The mechanical equipment control as air compressor, desintegrator, filler, winder, staircase, grinder, hoister etc.



## 设备分类及代号的含义 EQUIPMENT CLASSIFICATION AND CODE'S MEANING

TPK I II III IV V VI

### 代号的含义 Code 's meaning

■ TPK . . . . .太平洋品牌

■ I . . . . .水泵台数

■ II . . . . .主、备泵切换方式

H: 普通型切换

启动前先手动选择主泵和备用泵，自动工作时，由启动信号自动启动主泵，主泵故障时，备用泵自动投入。

Ac: 交替自动切换

水泵轮流交替自动工作，使主、备泵磨损均匀，且避免备用泵因长期不用而锈蚀，此方式适合水泵工作时间不长的情况。

As: 定时自动切换

水泵按设定的时间自动切换，适合于长时间给排水系统。

未标注：消防专用切换型

注：无论何种切换方式，主泵故障时，备用泵均能

■ III . . . . .双电源 用D表示，常用电源和备用电源自动切换。

■ VI . . . . .水泵电机功率（kW）

pacific pump brand

No.of water pumps

Main, spare pumps switching mode

H: Ordinary switching

Before starting, first select between main and spare pumps by hand. To automatically, the starting signal will automatically start the main pump, when a failure occurs with which, the spare pump will automatically go to work.

Ac: Automatic alternative switching

Water pumps automatically work in turn so as to have both main and spare pumps evenly worn out and avoid rusting with the spare ones due to a long time of unuse, this mode is suitable for such a condition as for water pumps to work not for a long time.

As: Automatic timing switching

Water pumps automatically switch per the set time, suitable for the system of a long-time drainage.

Not marked: switching specially for fire-fighting

Note: the spare pumps can be continually put into work automatically once a failure occurs with the main ones under whether switching modes.

III. Dual powers, expressed by D, automatical switching between normal and spare pumps.

VI. Power of water pumps motor(kW)



■ IV . . . . .控制特征

L: 液位控制

使用本型配备意大利技术生产的高性能Key浮球开关，能可靠实现按液位高、低的变化自动控制给、排水泵的开、停机。也可根据用户要求配用干簧式液位控制器、电极等其他液位控制器。

P: 压力控制

配用电接点压力表或压力控制器，可按设定的压力自动开、停泵，此型号大量应用于生活给水和消防稳压增压系统。

S: 潜水式污水泵专用型

本型兼容液位控制的全部特性，还具有漏水保护、电机绕组过热保护等功能。达到警戒水位时，水泵全部参与工作并报警。

A: 空调专用型

本型专为中央空调联控的水泵而设计，水泵由控制中心操作，水泵运行时输出一个从制冷机组开机的联控接点，实现先开水泵后开机组、先关机组后关水泵的控制程序，确保安全运行。

FS和FP消防专用型

FS为消火栓控制，FP为喷淋控制，本型按国家消防规范设计。消防、喷淋泵的启动可由：

- 1、柜体面板手动；
- 2、各消火栓或压力开关启动；
- 3、消防中心DC24V启动，并有送到消防中心各水泵的工作状态信号接点供指示用。

IV . . . . .control character

L: liquid level control

Use of the high-performance key floating-ball switch produced with Italian know-how can make the automatic control of starting and stopping both water supply and drainage pumps upon the variations of the liquid levels height reliably carried out and other liquid level controllers can also be supplied such as the dry-reed liquid level controller, electrode and so on as the users require.

P: pressure control

Fitted with an electrocontact piezometer or pressure controller and can automatically start or stop pumps upon the set pressure, this is used a lot for the living water supply system and fire-fighting boosting system.

S: specially used type for the submerged sewage pump

This type is compatible with the all characters of liquid level control and also has the water-leak, motor's winding overheat protections. All pumps will take part in work and warning when it gets to the warning level.

A: specially used type for air-conditioning

This type is designed specially for the water pumps jointly controlled by the central air conditioning and the pumps are operated by the control center. In running, the pumps send out a jointly-controlled contact to start from the refrigerating unit and thus realize the the control procedure first to start the water pump and then the unit and first stop the unit and then the pump to ensure a safe running.

FS and FP fire-fighting specially used type

FS as fire-hydrant control and Fp as spraying control, this type is designed according to the national standard for fire-fighting. Both fire-fighting and spraying pumps can be started by:

1. manually on the panel on the cabinet;
2. the switch on each fire-hydrant or the pressure switch;
3. DC24V in the fire-fighting center, also available with the contacts for the signals of the working status of each water pump sent to the center, used for indications.

#### Te: 温度控制

配用温度控制器，实现按预定的温度范围自动控制，适用于恒温、热交换等场合。

#### PL:气压罐控制

补水泵通过水位控制补水，补气泵通过压力控制补气。适用于补水、补气式气压罐控制。

#### ■ V……启动方式

直接启动（无标记）

适合于15kW以下的电机，启动电流大。

#### T: 自耦降压启动

通过自耦变压器降低电压启动，从而降低启动电流。

#### Y: Y-△启动

通过电动机定子绕组由星形切换为三角形，从而降压启动，线路简单可靠。

#### R: 软启动

采用先进的软启动器，达到理想的启动效果。

#### Te: temperature control

Fitted with a temperature controller, carries out the automatic control per the set range of temperature and suitable for the constant temperature, heat exchange etc. occasions.

#### PL: pneumatic tank control

The water-supplement pump controls the supplement through water level and the air-supplement pump controls the supplement through pressure. Suitable for the pneumatic tank control of both water and air supplement types.

#### □ V……Starting mode

Direct starting (free of mark)

Suitable for the motor below 15KW, the starting current is greater.

#### T: self-coupled transformer lowering

Started with the self-coupled transformer lowering the voltage, thus lowering the starting current.

#### Y: Y-△starting

Step-down started via the stator winding of the motor to change star into delta, the line is simple and reliable.

#### R: soft starting

Use an advanced soft starter to get the ideal effect of starting.

## 软启动 SPECIAL CHAPTER FOR SOFT STARTING

### 控制原理 Control principle

软启动控制装置利用先进的微处理器控制大功率晶闸管组件，实现交流感应电动机的软启动、软停止和节电等功能。软启动指装置输出电压按一定规律上升，使被控电动机电压由零升到全电压，转速相应的由零平滑加速到额定转速的过程。

软停止指装置输出电压按一定要求下降，使被控电动机电压由全电压降到零，转速相应地由额定转速平滑减速到零的过程。

节电运行指电动机轻载运行时，依据负载情况自动调整装置的输出电压提高电动机的功率因数，以达到节电的目的。

软启动可使水泵启动、停止力矩曲线逼近泵力矩特性曲线，最大限度的消除了泵及系统的电气、机械的启动冲击，使启动极为可靠。

The soft starting controller uses the advanced micro-processor to control the high power thyristor transistor assembly to realize the soft starting and stopping and electricity saving etc. functions of the AC inductive motor. The soft starting means the controller output voltage rises per a certain rule to make the voltage of the controlled motor rise to its full one from zero and the rotary speed correspondingly speed up to the rated one from zero while the soft stopping means the controller's output voltage lowers per a certain requirement to make the voltage of the controlled motor lower to zero from the full one and the rotary speed correspondingly decelerate to zero from the rated one smoothly. The electricity saving movement means when the motor moves with a light load, it will automatically adjust the output voltage of the controller upon the load condition to raise the power factor of it to get the objective of electricity saving. The soft starting can make the water pump able to start or stop the approach of the momental curve to the pump's momental curve of character, thus eliminating the starting shock to the pump, electric appliances and machinery of the system to the greatest extent and making the starting extremely reliable.

### 软启动的性能 Performance and character of soft starting

#### 1、斜坡电压启动、恒流软启动可选

- 限制启动期间的压降，并降低电流峰值。
- 限制启动转矩以保护传动机械。
- 平稳加速、减速或制动，保护设备和人员。
- 对传动机械的机械保护，可清除转矩浪涌并降低冲击电流。

#### 2、各启动参数可方便调节

- 启动电流、电压、时间可按负载不同灵活调节，取得最小的电流冲击。

#### 3、延长电机、水泵的寿命

- 软启动对电机提供了平滑、渐进的启动过程，降低了设备的振动和噪音。
- 消除了启动时的冲击电流。降低电机损耗。

#### 4、高效节能

- 电机轻载时软起器能减小端电压，提高电机功率因数，达到轻载节能。

#### 5、软停车功能

- 软停车功能可避免水泵遭“水锤”效应。

#### 6、操作简单、运行稳定、可靠

- 自动化的控制在系统调试运行正常后即可投入安全连续运行，无需维护。

#### 7、完善的保护功能

- 具有过流、过压、过载、缺相、短路、过热等多种保护。

#### 8、通过串行口能和计算机连接，实现计算机联网直接监控。

#### 1. Selectable between both slope voltage and constant-current soft startings.

- Limiting the step-down in the starting period and lowering the current peak value.
- Limiting the starting torque to protect the driving machinery.
- Stably to speed up, decelerate and brake to protect both equipments and operators.
- Protection of the driving machinery can remove torque surging and reduce the shock current.

#### 2. Each parameter of starting can be easily adjusted

- Starting current, voltage and time can be flexibly adjusted per different loads, getting the minimum current shock.

#### 3. Duration of both motor and water pump can be extended

- Soft starting provides the motor with a smooth and gradual process of starting, lowering both vibration and noise of the equipment.
- Eliminating the shock current at starting and lowering the loss of the motor.

#### 4. High efficiency and energy saving

- When the motor is lightly loaded, soft starting can reduce the terminal voltage, raise its power factor to get light-load energy-saving.

#### 5. Soft stopping function

- This function can release the "water hammer" effect water pumps are subjected to.

#### 6. Simple operation, stable and reliable running

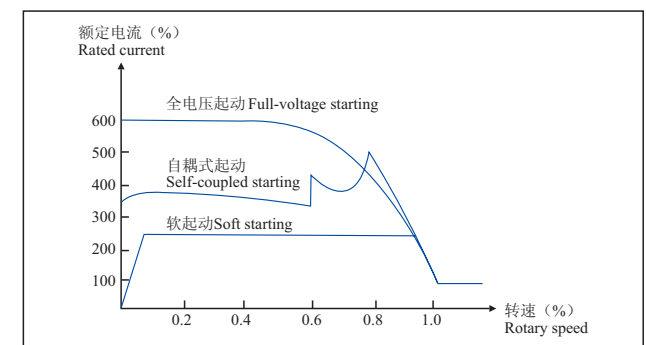
- The automatic control can be put into a continuous and safe running after the system being debugged and normal to work, free of main tenance.

#### 7. Perfected protective function

- With overflow, over-voltage, overload, lack of phase, short-circuit, overheat etc. Protective functions.

#### 8. Connectable to a computer through a serial interface to realize joining with a computer network for a direct control.

瑞士ABB软启动器  
ABB soft starter of Switzerland



## 智能控制 SPECIAL CHAPTER FOR INTELLIGENT CONTROL

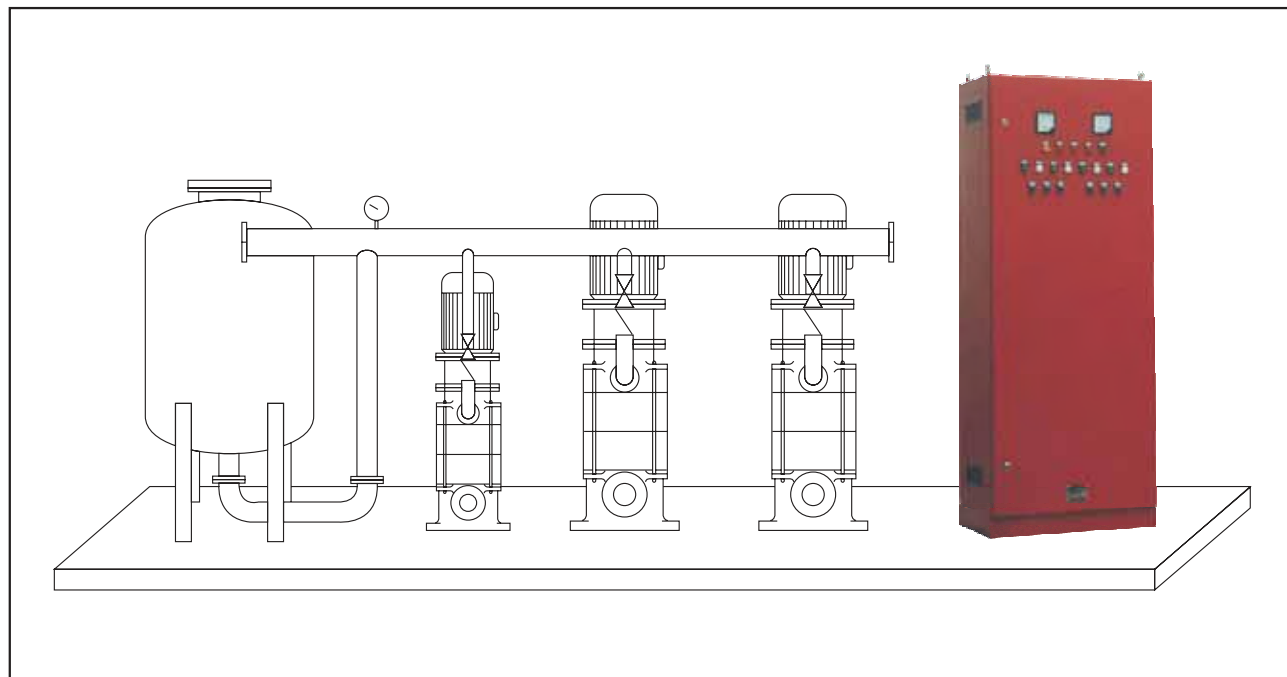
### 控制原理 Control principle

FSZ和FPZ型微机智能控制工频泵消防供水设备是一种自动化、新型的消防供水设备。它应用先进的自动控制技术，智能控制工频消防泵恒压变量自动供水。

该产品是在变频调速供水设备的基础上研制成功的，消防泵不用变频调速，使用微机按消防要求，进行智能控制，适用于各种类型的消防供水，能提高消防供水的可靠性，符合消防“规范”要求。由于它解决了工频消防泵供水的超压、锈蚀、死泵等问题，应用范围更广泛。由于它智能控制，电气可靠性提高，并可大幅度降低造价。是一种优质、价廉、新型的消防供水理想的设备。

The fire-fighting water supply equipment with power frequency pump intelligently controlled by model FSZ and FPZ micro-processors in an automatic and new-style fire fighting water supply equipment, it uses the advanced automatic-control know-how to intelligently control the constant-pressure variable automatic water supply of the power frequency fire fighting pump.

The product is successfully developed on the basis of the converter speed-regulation water supply equipment and, instead of the converter speed-regulation, the first-fighting pump, according to the requirements for fire-fighting, uses a micro-processor to carry out the intelligent control, suitable for various types of fire-fighting water supply, able to raise the reliability of the water supply and in line with the requirements of the standards for fire-fighting. Due to the settlement of the over-pressure, rust, dead pump etc. Problems in the water supply of the power frequency fire-fighting pump, its range of application becomes more extensive and, due to the intelligent control, enhanced electric reliability and greatly reduced cost, it is really and ideal quality, inexpensive and new-style fire fighting water supply equipment.



## 产品性能和特性 Performance and character

### 1. 技术先进

■ 采用微机智能控制工频消防泵和电动闸阀，实现恒压变量供水。设计合理、操作方便、运行可靠、完全自动。

### 2. 自动控制功能齐全

■ 具有消除超压功能。

■ 具有周期自动巡检和随时手动巡检功能，解决了工频泵的锈蚀死泵问题，提高可靠性。

■ 电动闸阀具有消防优先的特殊功能。

■ 具有与消防控制中心联控功能。

■ 工频消防泵按消防信号自动启动、自动补充、自动投入备用泵；亦可按压力变化自动投入进行。

■ 带稳压泵和增压泵的双泵系统，具有自动轮换功能。

■ 具有消防报警、设计故障声光报警等功能。

■ 全套设备具有自动、手动操作系统，具有异地和消防中心操作等功能。

### 1. Advanced know-how

□ Use a micro-processor to intelligently control the power frequency fire-fighting pump and the electric gate valve and realizes the constant-pressure variable water supply. Reasonably designed, easily operated, reliably moving and fully automatic.

### 2. Full functions of auto-control

□ Over-pressure eliminating function.

□ Periodically automatic tour inspection and manual tour inspection at any time functions, settling the rust, dead pump etc. Problems with the power frequency pump and raising the reliability.

□ The electric gate valve has the function of fire-fighting priority.

□ Joint-control function with the fire-fighting center.

□ The power frequency fire-fighting pump can automatically start, supplement and make the spare pump put into work upon the fire-fighting signal, and also upon the pressure variation.

□ Both automatic and manual operation systems are available with the whole set of the equipment and also available with the functions of operation in other places and the fire fighting center etc.



## 订货须知 NOTICE AT ORDER

由于TPK系列电气控制系统规格繁多，为了免除用户因选型不当或使用方法错误所引起的设备故障，请在定货前，务必仔细阅读选型样本中电气控制柜的各项性能特性，然后在定货时将使用条件、要求一一注明，这样才能选到最适宜使用的产品。本公司也可根据用户的使用条件、要求，帮助选型。

1. 定货时，用户一定要指明控制特征、电机功率及水泵台数。
2. 定货时，用户若对柜体的形状、颜色有特殊要求的，请务必注明。
3. 在定货时，用户如有特殊功能要求，请在签定供货合同时注明。
4. 电气控制柜的附加功能，可根据用户要求，进行特殊设计。
5. 水泵机组与管路中基座、阀门、可曲线接头、隔振器均可替用户代办，成套供应。也可以根据用户的使用要求、提供的基础图做成泵系总成。
6. 消防系统电气控制柜若需要双电源切换装置，请在定货时注明。
7. 电控柜与电源、电机、压力表、液位计之间的连线由用户自备。压力、液位控制器可替用户代购。若用户要求其他附加功能增加附件时，请在合同中注明。

Due to various specifications of the TPK series electric control system and in order to prevent the users from being subjected to equipment failures due to improper model selection or wrong ways of use, please carefully read the every characteristics of performance of the electric control cabinets in the sample book of model selection prior to order and note the conditions and requirements of use one by one at order so as to select the products best suitable for use. This Co. may be helpful for the model selection according to the conditions and requirement of the users.

1. To order, the user must note the control features, motor's power and pump number.
2. To order, please do note the special requirements to the form or color of the cabinet if so.
3. Please make a note at the time to sign the supply contract in case of users to require special functions.
4. Additional function to the electric control cabinet can be specially designed per the need of users.
5. Water pump unit and the basic seat, valves, flexible unions, isolator in the pipeline can be collected for users as a completion supply and also can be made together as a pump assembly according to the requirements and the basic drawings provided by the users.
6. Please make a note at order in case of a dual-power switching device need for the electric control cabinet of fire-fighting system.
7. The connecting wires between the control cabinet and the power, motor, piezometer and liquid leveller will be made ready by users. Liquid the controller can substitute the customer on behalf to buy. Please make a note if other additional functions or accessories are required by users.



本公司系列产品已通过ISO9001国际质量体系认证，深获客户一致好评！

The series products of this Co. have been accredited to ISO9001 and greatly evaluated by the customers!

## TPK系列电气控制柜选型 MODEL SELECTION OF TPK SERIES ELECTRIC CONTROL CABINET

[注]

1. 以下各表中的10-18项的箱柜尺寸为自耦降压启动方式尺寸，若改成Y-△启动或软启动方式其箱柜外形尺寸另定。
2. 本产品控制功率范围为0.75-315kW，因篇幅有限仅列出常用规格。
3. 型号中的第一个方框指是否选用双电源，第二个方框指选择水泵启动方式。

[Note]

1. The external dimensions have to be separately set for the cabinets whose self-coupled step-down starting mode in No.10-18 of the table below is changed into Y-△ or soft starting.
2. The control power range of the product is 0.75-315kW, only the common specs are listed because of the limited space.
3. The first square block in the model means if selecting dual powers and the second one means the selection of the pump starting mode.

### 液位控制 Chapter of liquid level control

液位控制：单控型 Liquid-level control: single-control type

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Rated current(A)	启动方式 Starting mode	主备泵切换 Main-spares pumps switching	箱柜尺寸(mm) Cabinet dimension	高 H	宽 W	厚 Thick
1	TPK-1L-0.75	1	0.75	1.8	全压 (Full-pressure)	/	500	350	180	
2	TPK-1L-1.5	1	1.5	3.4	全压 (Full-pressure)	/	500	350	180	
3	TPK-1L-2.2	1	2.2	4.8	全压 (Full-pressure)	/	500	350	180	
4	TPK-1L-3	1	3	6.4	全压 (Full-pressure)	/	500	350	180	
5	TPK-1L-4	1	4	8.2	全压 (Full-pressure)	/	500	350	180	
6	TPK-1L-5.5	1	5.5	11.1	全压 (Full-pressure)	/	500	350	180	
7	TPK-1L-7.5	1	7.5	15	全压 (Full-pressure)	/	500	350	180	
8	TPK-1L-11	1	11	22	全压 (Full-pressure)	/	500	350	180	
9	TPK-1L-15	1	15	30	全压 (Full-pressure)	/	500	350	180	
10	TPK-1L-□15	1	15	30	降压 (Step-down)	/	1400	600	400	
11	TPK-1L-□18.5	1	18.5	36	降压 (Step-down)	/	1400	600	400	
12	TPK-1L-□22	1	22	44	降压 (Step-down)	/	1600	600	400	
13	TPK-1L-□30	1	30	60	降压 (Step-down)	/	1600	600	400	
14	TPK-1L-□37	1	37	72	降压 (Step-down)	/	1600	600	400	
15	TPK-1L-□45	1	45	85	降压 (Step-down)	/	1600	600	400	
16	TPK-1L-□55	1	55	105	降压 (Step-down)	/	1700	700	400	
17	TPK-1L-□75	1	75	140	降压 (Step-down)	/	1700	700	400	
18	TPK-1L-□90	1	90	170	降压 (Step-down)	/	1800	800	500	

液位控制：交替自动切换（一用一备）Liquid-level control: alternatively auto-switching (one in use and one in spare)

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Rated current(A)	启动方式 Starting mode	主备泵切换 Main-spares pumps switching	箱柜尺寸(mm) Cabinet dimension	高 H	宽 W	厚 Thick
1	TPK-2AcL-0.75	2	0.75	1.8	全压 (Full-pressure)	交替自动(Alternative-auto)	600	500	220	
2	TPK-2AcL-1.5	2	1.5	3.4	全压 (Full-pressure)	交替自动(Alternative-auto)	600	500	220	
3	TPK-2AcL-2.2	2	2.2	4.8	全压 (Full-pressure)	交替自动(Alternative-auto)	600	500	220	
4	TPK-2AcL-3	2	3	6.4	全压 (Full-pressure)	交替自动(Alternative-auto)	600	500	220	
5	TPK-2AcL-4	2	4	8.2	全压 (Full-pressure)	交替自动(Alternative-auto)	600	500	220	
6	TPK-2AcL-5.5	2	5.5	11.1	全压 (Full-pressure)	交替自动(Alternative-auto)	600	500	220	
7	TPK-2AcL-7.5	2	7.5	15	全压 (Full-pressure)	交替自动(Alternative-auto)	600	500	220	
8	TPK-2AcL-11	2	11	22	全压 (Full-pressure)	交替自动(Alternative-auto)	600	500	220	
9	TPK-2AcL-15	2	15	30	全压 (Full-pressure)	交替自动(Alternative-auto)	600	500	220	
10	TPK-2AcL-□-15	2	15	30	降压 (Step-down)	交替自动(Alternative-auto)	1700	700	400	
11	TPK-2AcL-□-18.5	2	18.5	36	降压 (Step-down)	交替自动(Alternative-auto)	1700	700	400	
12	TPK-2AcL-□-22	2	22	44	降压 (Step-down)	交替自动(Alternative-auto)	1700	700	400	
13	TPK-2AcL-□-30	2	30	60	降压 (Step-down)	交替自动(Alternative-auto)	1700	700	400	
14	TPK-2AcL-□-37	2	37	72	降压 (Step-down)	交替自动(Alternative-auto)	1700	700	400	
15	TPK-2AcL-□-45	2	45	85	降压 (Step-down)	交替自动(Alternative-auto)	1800	800	500	
16	TPK-2AcL-□-55	2	55	105	降压 (Step-down)	交替自动(Alternative-auto)	1800	800	500	
17	TPK-2AcL-□-75	2	75	140	降压 (Step-down)	交替自动(Alternative-auto)	1800	800	500	
18	TPK-2AcL-□-90	2	90	170	降压 (Step-down)	交替自动(Alternative-auto)	2000	800	500	

液位控制：定时自动切换（一用一备） Liquid-level control:automatical timing switching(one in use and one in spare)

序号 No.	型号 Model	控制泵数 No.of pumps under-control	功率 Power (kW)	额定电流 Reated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-2AsL-0.75	2	0.75	1.8	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
2	TPK-2AsL-1.5	2	1.5	3.4	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
3	TPK-2AsL-2.2	2	2.2	4.8	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
4	TPK-2AsL-3	2	3	6.4	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
5	TPK-2AsL-4	2	4	8.2	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
6	TPK-2AsL-5.5	2	5.5	11.1	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
7	TPK-2AsL-7.5	2	7.5	15	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
8	TPK-2AsL-11	2	11	22	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
9	TPK-2AsL-15	2	15	30	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
10	TPK-2AsL-□-15	2	15	30	降压 (Step-down)	定时切换(Timing switching)	1700 700 400
11	TPK-2AsL-□-18.5	2	18.5	36	降压 (Step-down)	定时切换(Timing switching)	1700 700 400
12	TPK-2AsL-□-22	2	22	44	降压 (Step-down)	定时切换(Timing switching)	1700 700 400
13	TPK-2AsL-□-30	2	30	60	降压 (Step-down)	定时切换(Timing switching)	1700 700 400
14	TPK-2AsL-□-37	2	37	72	降压 (Step-down)	定时切换(Timing switching)	1700 700 400
15	TPK-2AsL-□-45	2	45	85	降压 (Step-down)	定时切换(Timing switching)	1800 800 500
16	TPK-2AsL-□-55	2	55	105	降压 (Step-down)	定时切换(Timing switching)	1800 800 500
17	TPK-2AsL-□-75	2	75	140	降压 (Step-down)	定时切换(Timing switching)	1800 800 500
18	TPK-2AsL-□-90	2	90	170	降压 (Step-down)	定时切换(Timing switching)	2000 800 500

液位控制：普通型切换（二用一备） Liquid-level control:ordinary switching (two in use one in spare)

序号 No.	型号 Model	控制泵数 No.of pumps under-control	功率 Power (kW)	额定电流 Reated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-3HL-0.75	3	0.75	1.8	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
2	TPK-3HL-1.5	3	1.5	3.4	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
3	TPK-3HL-2.2	3	2.2	4.8	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
4	TPK-3HL-3	3	3	6.4	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
5	TPK-3HL-4	3	4	8.2	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
6	TPK-3HL-5.5	3	5.5	11.1	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
7	TPK-3HL-7.5	3	7.5	15	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
8	TPK-3HL-11	3	11	22	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
9	TPK-3HL-15	3	15	30	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
10	TPK-3HL-□-15	3	15	30	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
11	TPK-3HL-□-18.5	3	18.5	36	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
12	TPK-3HL-□-22	3	22	44	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
13	TPK-3HL-□-30	3	30	60	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
14	TPK-3HL-□-37	3	37	72	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
15	TPK-3HL-□-45	3	45	85	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
16	TPK-3HL-□-55	3	55	105	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
17	TPK-3HL-□-75	3	75	140	降压 (Step-down)	普通型 (Ordinary type)	2200 1000 600
18	TPK-3HL-□-90	3	90	170	降压 (Step-down)	普通型 (Ordinary type)	2200 1000 600

潜水泵控制 Chapter of submerged pump control

潜水泵控制：单控型 Submerged pump control: single-control type

序号 No.	型号 Model	控制泵数 No.of pumps under-control	功率 Power (kW)	额定电流 Reated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-1S-0.75	1	0.75	1.8	全压 (Full-pressure)	/	500 350 180
2	TPK-1S-1.5	1	1.5	3.4	全压 (Full-pressure)	/	500 350 180
3	TPK-1S-2.2	1	2.2	4.8	全压 (Full-pressure)	/	500 350 180
4	TPK-1S-3	1	3	6.4	全压 (Full-pressure)	/	500 350 180
5	TPK-1S-4	1	4	8.2	全压 (Full-pressure)	/	500 350 180
6	TPK-1S-5.5	1	5.5	11.1	全压 (Full-pressure)	/	500 350 180
7	TPK-1S-7.5	1	7.5	15	全压 (Full-pressure)	/	500 350 180
8	TPK-1S-11	1	11	22	全压 (Full-pressure)	/	500 350 180
9	TPK-1S-15	1	15	30	全压 (Full-pressure)	/	500 350 180
10	TPK-1S-□-15	1	15	30	降压 (Step-down)	/	1400 600 400
11	TPK-1S-□-18.5	1	18.5	36	降压 (Step-down)	/	1400 600 400
12	TPK-1S-□-22	1	22	44	降压 (Step-down)	/	1600 600 400
13	TPK-1S-□-30	1	30	60	降压 (Step-down)	/	1600 600 400
14	TPK-1S-□-37	1	37	72	降压 (Step-down)	/	1600 600 400
15	TPK-1S-□-45	1	45	85	降压 (Step-down)	/	1600 600 400
16	TPK-1S-□-55	1	55	105	降压 (Step-down)	/	1700 700 400
17	TPK-1S-□-75	1	75	140	降压 (Step-down)	/	1700 700 400
18	TPK-1S-□-90	1	90	170	降压 (Step-down)	/	1800 800 500

潜水泵控制：交替自动切换（一用一备） Submerged pump control: alternatively auto-switching (one in use and one in spare)

序号 No.	型号 Model	控制泵数 No.of pumps under-control	功率 Power (kW)	额定电流 Reated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-2AcS-0.75	2	0.75	1.8	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
2	TPK-2AcS-1.5	2	1.5	3.4	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
3	TPK-2AcS-2.2	2	2.2	4.8	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
4	TPK-2AcS-3	2	3	6.4	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
5	TPK-2AcS-4	2	4	8.2	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
6	TPK-2AcS-5.5	2	5.5	11.1	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
7	TPK-2AcS-7.5	2	7.5	15	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
8	TPK-2AcS-11	2	11	22	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
9	TPK-2AcS-15	2	15	30	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
10	TPK-2AcS-□-15	2	15	30	降压 (Step-down)	交替自动(Alternative-auto)	1700 700 400
11	TPK-2AcS-□-18.5	2	18.5	36	降压 (Step-down)	交替自动(Alternative-auto)	1700 700 400
12	TPK-2AcS-□-22	2	22	44	降压 (Step-down)	交替自动(Alternative-auto)	1700 700 400
13	TPK-2AcS-□-30	2	30	60	降压 (Step-down)	交替自动(Alternative-auto)	1700 700 400
14	TPK-2AcS-□-37	2	37	72	降压 (Step-down)	交替自动(Alternative-auto)	1700 700 400
15	TPK-2AcS-□-45	2	45	85	降压 (Step-down)	交替自动(Alternative-auto)	1800 800 500
16	TPK-2AcS-□-55	2	55	105	降压 (Step-down)	交替自动(Alternative-auto)	1800 800 500
17	TPK-2AcS-□-75	2	75	140	降压 (Step-down)	交替自动(Alternative-auto)	1800 800 500
18	TPK-2AcS-□-90	2	90	170	降压 (Step-down)	交替自动(Alternative-auto)	2000 800 500



潜水泵控制：定时自动切换（一用一备） Submerged pump control: automatic timing switching (one in use one in spare)

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Rated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-2AsS-0.75	2	0.75	1.8	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
2	TPK-2AsS-1.5	2	1.5	3.4	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
3	TPK-2AsS-2.2	2	2.2	4.8	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
4	TPK-2AsS-3	2	3	6.4	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
5	TPK-2AsS-4	2	4	8.2	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
6	TPK-2AsS-5.5	2	5.5	11.1	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
7	TPK-2AsS-7.5	2	7.5	15	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
8	TPK-2AsS-11	2	11	22	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
9	TPK-2AsS-15	2	15	30	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
10	TPK-2AsS-□-15	2	15	30	降压 (Step-down)	定时切换(Timing switching)	1700 700 400
11	TPK-2AsS-□-18.5	2	18.5	36	降压 (Step-down)	定时切换(Timing switching)	1700 700 400
12	TPK-2AsS-□-22	2	22	44	降压 (Step-down)	定时切换(Timing switching)	1700 700 400
13	TPK-2AsS-□-30	2	30	60	降压 (Step-down)	定时切换(Timing switching)	1700 700 400
14	TPK-2AsS-□-37	2	37	72	降压 (Step-down)	定时切换(Timing switching)	1700 700 400
15	TPK-2AsS-□-45	2	45	85	降压 (Step-down)	定时切换(Timing switching)	1800 800 500
16	TPK-2AsS-□-55	2	55	105	降压 (Step-down)	定时切换(Timing switching)	1800 800 500
17	TPK-2AsS-□-75	2	75	140	降压 (Step-down)	定时切换(Timing switching)	1800 800 500
18	TPK-2AsS-□-90	2	90	170	降压 (Step-down)	定时切换(Timing switching)	2000 800 500

潜水泵控制：普通型切换（二用一备） Submerged pump control: ordinary switching (two in use one in spare)

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Rated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-3HS-0.75	3	0.75	1.8	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
2	TPK-3HS-1.5	3	1.5	3.4	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
3	TPK-3HS-2.2	3	2.2	4.8	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
4	TPK-3HS-3	3	3	6.4	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
5	TPK-3HS-4	3	4	8.2	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
6	TPK-3HS-5.5	3	5.5	11.1	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
7	TPK-3HS-7.5	3	7.5	15	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
8	TPK-3HS-11	3	11	22	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
9	TPK-3HS-15	3	15	30	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
10	TPK-3HS-□5	3	15	30	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
11	TPK-3HS-□-18.5	3	18.5	36	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
12	TPK-3HS-□-22	3	22	44	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
13	TPK-3HS-□-30	3	30	60	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
14	TPK-3HS-□-37	3	37	72	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
15	TPK-3HS-□-45	3	45	85	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
16	TPK-3HS-□-55	3	55	105	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
17	TPK-3HS-□-75	3	75	140	降压 (Step-down)	普通型 (Ordinary type)	2200 1000 600
18	TPK-3HS-□-90	3	90	170	降压 (Step-down)	普通型 (Ordinary type)	2200 1000 600

压力控制：单控型 Pressure control: single-control type

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Rated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-1P-0.75	1	0.75	1.8	全压 (Full-pressure)	/	500 350 180
2	TPK-1P-1.5	1	1.5	3.4	全压 (Full-pressure)	/	500 350 180
3	TPK-1P-2.2	1	2.2	4.8	全压 (Full-pressure)	/	500 350 180
4	TPK-1P-3	1	3	6.4	全压 (Full-pressure)	/	500 350 180
5	TPK-1P-4	1	4	8.2	全压 (Full-pressure)	/	500 350 180
6	TPK-1P-5.5	1	5.5	11.1	全压 (Full-pressure)	/	500 350 180
7	TPK-1P-7.5	1	7.5	15	全压 (Full-pressure)	/	500 350 180
8	TPK-1P-11	1	11	22	全压 (Full-pressure)	/	500 350 180
9	TPK-1P-15	1	15	30	全压 (Full-pressure)	/	500 350 180
10	TPK-1P-□-15	1	15	30	降压 (Step-down)	/	1400 600 400
11	TPK-1P-□-18.5	1	18.5	36	降压 (Step-down)	/	1400 600 400
12	TPK-1P-□-22	1	22	44	降压 (Step-down)	/	1600 600 400
13	TPK-1P-□-30	1	30	60	降压 (Step-down)	/	1600 600 400
14	TPK-1P-□-37	1	37	72	降压 (Step-down)	/	1600 600 400
15	TPK-1P-□-45	1	45	85	降压 (Step-down)	/	1600 600 400
16	TPK-1P-□-55	1	55	105	降压 (Step-down)	/	1700 700 400
17	TPK-1P-□-75	1	75	140	降压 (Step-down)	/	1700 700 400
18	TPK-1P-□-90	1	90	170	降压 (Step-down)	/	1800 800 500

压力控制：交替自动切换（一用一备） Pressure control: alternatively auto-switching (one in use and one in spare)

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Rated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-2AcP-0.75	2	0.75	1.8	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
2	TPK-2AcP-1.5	2	1.5	3.4	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
3	TPK-2AcP-2.2	2	2.2	4.8	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
4	TPK-2AcP-3	2	3	6.4	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
5	TPK-2AcP-4	2	4	8.2	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
6	TPK-2AcP-5.5	2	5.5	11.1	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
7	TPK-2AcP-7.5	2	7.5	15	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
8	TPK-2AcP-11	2	11	22	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
9	TPK-2AcP-15	2	15	30	全压 (Full-pressure)	交替自动(Alternative-auto)	600 500 220
10	TPK-2AcP-□-15	2	15	30	降压 (Step-down)	交替自动(Alternative-auto)	1700 700 400
11	TPK-2AcP-□-18.5	2	18.5	36	降压 (Step-down)	交替自动(Alternative-auto)	1700 700 400
12	TPK-2AcP-□-22	2	22	44	降压 (Step-down)	交替自动(Alternative-auto)	1700 700 400
13	TPK-2AcP-□-30	2	30	60	降压 (Step-down)	交替自动(Alternative-auto)	1700 700 400
14	TPK-2AcP-□-37	2	37	72	降压 (Step-down)	交替自动(Alternative-auto)	1700 700 400
15	TPK-2AcP-□-45	2	45	85	降压 (Step-down)	交替自动(Alternative-auto)	1800 800 500
16	TPK-2AcP-□-55	2	55	105	降压 (Step-down)	交替自动(Alternative-auto)	1800 800 500
17	TPK-2AcP-□-75	2	75	140	降压 (Step-down)	交替自动(Alternative-auto)	1800 800 500
18	TPK-2AcP-□-90	2	90	170	降压 (Step-down)	交替自动(Alternative-auto)	2000 800 500



压力控制：定时自动切换（一用一备） Pressure control: automatic timing switching (one in use one in spare)

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Rated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-2AsP-0.75	2	0.75	1.8	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
2	TPK-2AsP-1.5	2	1.5	3.4	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
3	TPK-2AsP-2.2	2	2.2	4.8	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
4	TPK-2AsP-3	2	3	6.4	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
5	TPK-2AsP-4	2	4	8.2	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
6	TPK-2AsP-5.5	2	5.5	11.1	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
7	TPK-2AsP-7.5	2	7.5	15	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
8	TPK-2AsP-11	2	11	22	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
9	TPK-2AsP-15	2	15	30	全压 (Full-pressure)	定时切换(Timing switching)	600 500 220
10	TPK-2AsP-□-15	2	15	30	降压 (Step-down)	定时切换(Timing switching)	1700 700 400
11	TPK-2AsP-□-18.5	2	18.5	36	降压 (Step-down)	定时切换(Timing switching)	1700 700 400
12	TPK-2AsP-□-22	2	22	44	降压 (Step-down)	定时切换(Timing switching)	1700 700 400
13	TPK-2AsP-□-30	2	30	60	降压 (Step-down)	定时切换(Timing switching)	1700 700 400
14	TPK-2AsP-□-37	2	37	72	降压 (Step-down)	定时切换(Timing switching)	1700 700 400
15	TPK-2AsP-□-45	2	45	85	降压 (Step-down)	定时切换(Timing switching)	1800 800 500
16	TPK-2AsP-□-55	2	55	105	降压 (Step-down)	定时切换(Timing switching)	1800 800 500
17	TPK-2AsP-□-75	2	75	140	降压 (Step-down)	定时切换(Timing switching)	1800 800 500
18	TPK-2AsP-□-90	2	90	170	降压 (Step-down)	定时切换(Timing switching)	2000 800 500

压力控制：普通型切换（二用一备） Pressure control: ordinary switching (two in use one in spare)

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Rated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-3HP-0.75	3	0.75	1.8	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
2	TPK-3HP-1.5	3	1.5	3.4	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
3	TPK-3HP-2.2	3	2.2	4.8	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
4	TPK-3HP-3	3	3	6.4	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
5	TPK-3HP-4	3	4	8.2	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
6	TPK-3HP-5.5	3	5.5	11.1	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
7	TPK-3HP-7.5	3	7.5	15	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
8	TPK-3HP-11	3	11	22	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
9	TPK-3HP-15	3	15	30	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
10	TPK-3HP-□-15	3	15	30	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
11	TPK-3HP-□-18.5	3	18.5	36	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
12	TPK-3HP-□-22	3	22	44	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
13	TPK-3HP-□-30	3	30	60	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
14	TPK-3HP-□-37	3	37	72	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
15	TPK-3HP-□-45	3	45	85	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
16	TPK-3HP-□-55	3	55	105	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
17	TPK-3HP-□-75	3	75	140	降压 (Step-down)	普通型 (Ordinary type)	2200 1000 600
18	TPK-3HP-□-90	3	90	170	降压 (Step-down)	普通型 (Ordinary type)	2200 1000 600

气压罐控制篇 Chapter of pneumatic tank

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Rated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-2PL-0.75	2	0.75	1.8	全压 (Full-pressure)	/	600 500 220
2	TPK-2PL-1.5	2	1.5	3.4	全压 (Full-pressure)	/	600 500 220
3	TPK-2PL-2.2	2	2.2	4.8	全压 (Full-pressure)	/	600 500 220
4	TPK-2PL-3	2	3	6.4	全压 (Full-pressure)	/	600 500 220
5	TPK-2PL-4	2	4	8.2	全压 (Full-pressure)	/	600 500 220
6	TPK-2PL-5.5	2	5.5	11.1	全压 (Full-pressure)	/	600 500 220
7	TPK-2PL-7.5	2	7.5	15	全压 (Full-pressure)	/	600 500 220
8	TPK-2PL-11	2	11	22	全压 (Full-pressure)	/	800 600 250
9	TPK-2PL-15	2	15	30	全压 (Full-pressure)	/	800 600 250

空调泵控制 Chapter of air-conditioning control

空调泵控制：单控型 Air-conditioning control: single-control type

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Rated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-1A-0.75	1	0.75	1.8	全压 (Full-pressure)	/	500 350 180
2	TPK-1A-1.5	1	1.5	3.4	全压 (Full-pressure)	/	500 350 180
3	TPK-1A-2.2	1	2.2	4.8	全压 (Full-pressure)	/	500 350 180
4	TPK-1A-3	1	3	6.4	全压 (Full-pressure)	/	500 350 180
5	TPK-1A-4	1	4	8.2	全压 (Full-pressure)	/	500 350 180
6	TPK-1A-5.5	1	5.5	11.1	全压 (Full-pressure)	/	500 350 180
7	TPK-1A-7.5	1	7.5	15	全压 (Full-pressure)	/	500 350 180
8	TPK-1A-11	1	11	22	全压 (Full-pressure)	/	500 350 180
9	TPK-1A-15	1	15	30	全压 (Full-pressure)	/	500 350 180
10	TPK-1A-E15	1	15	30	降压 (Step-down)	/	1400 600 400
11	TPK-1A-E18.5	1	18.5	36	降压 (Step-down)	/	1400 600 400
12	TPK-1A-E22	1	22	44	降压 (Step-down)	/	1600 600 400
13	TPK-1A-E30	1	30	60	降压 (Step-down)	/	1600 600 400
14	TPK-1A-E37	1	37	72	降压 (Step-down)	/	1600 600 400
15	TPK-1A-E45	1	45	85	降压 (Step-down)	/	1600 600 400
16	TPK-1A-E55	1	55	105	降压 (Step-down)	/	1700 700 400
17	TPK-1A-E75	1	75	140	降压 (Step-down)	/	1700 700 400
18	TPK-1A-E90	1	90	170	降压 (Step-down)	/	1800 800 500

空调泵控制：普通型切换（一用一备） Air-conditioning control: ordinary switching (one in use one in spare)

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Rated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-2HA-0.75	2	0.75	1.8	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
2	TPK-2HA-1.5	2	1.5	3.4	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
3	TPK-2HA-2.2	2	2.2	4.8	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
4	TPK-2HA-3	2	3	6.4	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
5	TPK-2HA-4	2	4	8.2	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
6	TPK-2HA-5.5	2	5.5	11.1	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
7	TPK-2HA-7.5	2	7.5	15	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
8	TPK-2HA-11	2	11	22	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
9	TPK-2HA-15	2	15	30	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
10	TPK-2HA-□-15	2	15	30	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
11	TPK-2HA-□-18.5	2	18.5	36	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
12	TPK-2HA-□-22	2	22	44	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
13	TPK-2HA-□-30	2	30	60	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
14	TPK-2HA-□-37	2	37	72	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
15	TPK-2HA-□-45	2	45	85	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
16	TPK-2HA-□-55	2	55	105	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
17	TPK-2HA-□-75	2	75	140	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
18	TPK-2HA-□-90	2	90	170	降压 (Step-down)	普通型 (Ordinary type)	2000 800 500

空调泵控制：普通型切换（二用一备） Air-conditioning control: ordinary switching (two in use one in spare)

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Rated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-3HA-0.75	3	0.75	1.8	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
2	TPK-3HA-1.5	3	1.5	3.4	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
3	TPK-3HA-2.2	3	2.2	4.8	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
4	TPK-3HA-3	3	3	6.4	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
5	TPK-3HA-4	3	4	8.2	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
6	TPK-3HA-5.5	3	5.5	11.1	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
7	TPK-3HA-7.5	3	7.5	15	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
8	TPK-3HA-11	3	11	22	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
9	TPK-3HA-15	3	15	30	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
10	TPK-3HA-□15	3	15	30	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
11	TPK-3HA-□18.5	3	18.5	36	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
12	TPK-3HA-□22	3	22	44	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
13	TPK-3HA-□30	3	30	60	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
14	TPK-3HA-□37	3	37	72	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
15	TPK-3HA-□45	3	45	85	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
16	TPK-3HA-□55	3	55	105	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
17	TPK-3HA-□75	3	75	140	降压 (Step-down)	普通型 (Ordinary type)	2200 1000 600
18	TPK-3HA-□90	3	90	170	降压 (Step-down)	普通型 (Ordinary type)	2200 1000 600

温度控制 Chapter of temperature control

温度控制：单控型 Temperature control: single-control type

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Rated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-1Te-0.75	1	0.75	1.8	全压 (Full-pressure)	/	500 350 180
2	TPK-1Te-1.5	1	1.5	3.4	全压 (Full-pressure)	/	500 350 180
3	TPK-1Te-2.2	1	2.2	4.8	全压 (Full-pressure)	/	500 350 180
4	TPK-1Te-3	1	3	6.4	全压 (Full-pressure)	/	500 350 180
5	TPK-1Te-4	1	4	8.2	全压 (Full-pressure)	/	500 350 180
6	TPK-1Te-5.5	1	5.5	11.1	全压 (Full-pressure)	/	500 350 180
7	TPK-1Te-7.5	1	7.5	15	全压 (Full-pressure)	/	500 350 180
8	TPK-1Te-11	1	11	22	全压 (Full-pressure)	/	500 350 180
9	TPK-1Te-15	1	15	30	全压 (Full-pressure)	/	500 350 180
10	TPK-1Te-□-15	1	15	30	降压 (Step-down)	/	1400 600 400
11	TPK-1Te-□-18.5	1	18.5	36	降压 (Step-down)	/	1400 600 400
12	TPK-1Te-□-22	1	22	44	降压 (Step-down)	/	1600 600 400
13	TPK-1Te-□-30	1	30	60	降压 (Step-down)	/	1600 600 400
14	TPK-1Te-□-37	1	37	72	降压 (Step-down)	/	1600 600 400
15	TPK-1Te-□-45	1	45	85	降压 (Step-down)	/	1600 600 400
16	TPK-1Te-□-55	1	55	105	降压 (Step-down)	/	1700 700 400
17	TPK-1Te-□-75	1	75	140	降压 (Step-down)	/	1700 700 400
18	TPK-1Te-□-90	1	90	170	降压 (Step-down)	/	1800 800 500

消防控制 Chapter of fire-fight control

消防控制：单控型 Fire-fight control: single-control type

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Rated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-1FS □-0.75	1	0.75	1.8	全压 (Full-pressure)	/	500 350 180
2	TPK-1FS □-1.5	1	1.5	3.4	全压 (Full-pressure)	/	500 350 180
3	TPK-1FS □-2.2	1	2.2	4.8	全压 (Full-pressure)	/	500 350 180
4	TPK-1FS □-3	1	3	6.4	全压 (Full-pressure)	/	500 350 180
5	TPK-1FS □-4	1	4	8.2	全压 (Full-pressure)	/	500 350 180
6	TPK-1FS □-5.5	1	5.5	11.1	全压 (Full-pressure)	/	500 350 180
7	TPK-1FS □-7.5	1	7.5	15	全压 (Full-pressure)	/	500 350 180
8	TPK-1FS □-11	1	11	22	全压 (Full-pressure)	/	500 350 180
9	TPK-1FS □-15	1	15	30	全压 (Full-pressure)	/	500 350 180
10	TPK-1FS □ □-15	1	15	30	降压 (Step-down)	/	1400 600 400
11	TPK-1FS □ □-18.5	1	18.5	36	降压 (Step-down)	/	1400 600 400
12	TPK-1FS □ □-22	1	22	44	降压 (Step-down)	/	1600 600 400
13	TPK-1FS □ □-30	1	30	60	降压 (Step-down)	/	1600 600 400
14	TPK-1FS □ □-37	1	37	72	降压 (Step-down)	/	1600 600 400
15	TPK-1FS □ □-45	1	45	85	降压 (Step-down)	/	1600 600 400
16	TPK-1FS □ □-55	1	55	105	降压 (Step-down)	/	1700 700 400
17	TPK-1FS □ □-75	1	75	140	降压 (Step-down)	/	1700 700 400
18	TPK-1FS □ □-90	1	90	170	降压 (Step-down)	/	1800 800 500

消防控制：普通型切换（一用一备） Fire-fight control: ordinary switching (one in use one in spare)

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Reated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-2FS□-0.75	2	0.75	1.8	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
2	TPK-2FS□-1.5	2	1.5	3.4	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
3	TPK-2FS□-2.2	2	2.2	4.8	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
4	TPK-2FS□-3	2	3	6.4	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
5	TPK-2FS □-4	2	4	8.2	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
6	TPK-2FS □-5.5	2	5.5	11.1	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
7	TPK-2FS □-7.5	2	7.5	15	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
8	TPK-2FS □-11	2	11	22	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
9	TPK-2FS □-15	2	15	30	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
10	TPK-2FS-□ □-15	2	15	30	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
11	TPK-2FS-□ □-18.5	2	18.5	36	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
12	TPK-2FS-□ □-22	2	22	44	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
13	TPK-2FS-□ □-30	2	30	60	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
14	TPK-2FS-□ □-37	2	37	72	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
15	TPK-2FS-□ □-45	2	45	85	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
16	TPK-2FS-□ □-55	2	55	105	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
17	TPK-2FS-□ □-75	2	75	140	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
18	TPK-2FS-□ □-90	2	90	170	降压 (Step-down)	普通型 (Ordinary type)	2000 800 500

消防控制：普通型切换（二用一备） Fire-fight control: ordinary switching (two in use one in spare)

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Reated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-3FS □-0.75	3	0.75	1.8	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
2	TPK-3FS □-1.5	3	1.5	3.4	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
3	TPK-3FS □-2.2	3	2.2	4.8	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
4	TPK-3FS □-3	3	3	6.4	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
5	TPK-3FS □-4	3	4	8.2	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
6	TPK-3FS □-5.5	3	5.5	11.1	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
7	TPK-3FS □-7.5	3	7.5	15	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
8	TPK-3FS □-11	3	11	22	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
9	TPK-3FS □-15	3	15	30	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
10	TPK-3FS-□ □-15	3	15	30	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
11	TPK-3FS-□ □-18.5	3	18.5	36	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
12	TPK-3FS-□ □-22	3	22	44	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
13	TPK-3FS-□ □-30	3	30	60	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
14	TPK-3FS-□ □-37	3	37	72	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
15	TPK-3FS-□ □-45	3	45	85	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
16	TPK-3FS-□ □-55	3	55	105	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
17	TPK-3FS-□ □-75	3	75	140	降压 (Step-down)	普通型 (Ordinary type)	2200 1000 600
18	TPK-3FS-□ □-90	3	90	170	降压 (Step-down)	普通型 (Ordinary type)	2200 1000 600

喷淋控制 Chapter of spraying control

喷淋控制：单控型 Spraying control: single-control type

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Reated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-1FP□ -0.75	1	0.75	1.8	全压 (Full-pressure)	/	500 350 180
2	TPK-1FP□ -1.5	1	1.5	3.4	全压 (Full-pressure)	/	500 350 180
3	TPK-1FP□ -2.2	1	2.2	4.8	全压 (Full-pressure)	/	500 350 180
4	TPK-1FP□ -3	1	3	6.4	全压 (Full-pressure)	/	500 350 180
5	TPK-1FP□ -4	1	4	8.2	全压 (Full-pressure)	/	500 350 180
6	TPK-1FP□ -5.5	1	5.5	11.1	全压 (Full-pressure)	/	500 350 180
7	TPK-1FP□ -7.5	1	7.5	15	全压 (Full-pressure)	/	500 350 180
8	TPK-1FP□ -11	1	11	22	全压 (Full-pressure)	/	500 350 180
9	TPK-1FP□ -15	1	15	30	全压 (Full-pressure)	/	500 350 180
10	TPK-1FP□ □-15	1	15	30	降压 (Step-down)	/	1400 600 400
11	TPK-1FP□ □-18.5	1	18.5	36	降压 (Step-down)	/	1400 600 400
12	TPK-1FP□ □-22	1	22	44	降压 (Step-down)	/	1600 600 400
13	TPK-1FP□ □-30	1	30	60	降压 (Step-down)	/	1600 600 400
14	TPK-1FP□ □-37	1	37	72	降压 (Step-down)	/	1600 600 400
15	TPK-1FP□ □-45	1	45	85	降压 (Step-down)	/	1600 600 400
16	TPK-1FP□ □-55	1	55	105	降压 (Step-down)	/	1700 700 400
17	TPK-1FP□ □-75	1	75	140	降压 (Step-down)	/	1700 700 400
18	TPK-1FP□ □-90	1	90	170	降压 (Step-down)	/	1800 800 500

喷淋控制：普通型切换（一用一备） Spraying control: ordinary switching (one in use and one in spare)

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Reated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-2FP□-0.75	2	0.75	1.8	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
2	TPK-2FP□-1.5	2	1.5	3.4	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
3	TPK-2FP□-2.2	2	2.2	4.8	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
4	TPK-2FP□-3	2	3	6.4	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
5	TPK-2FP□-4	2	4	8.2	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
6	TPK-2FP□-5.5	2	5.5	11.1	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
7	TPK-2FP□-7.5	2	7.5	15	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
8	TPK-2FP□-11	2	11	22	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
9	TPK-2FP□-15	2	15	30	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
10	TPK-2FP□ □-15	2	15	30	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
11	TPK-2FP□ □-18.5	2	18.5	36	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
12	TPK-2FP□ □-22	2	22	44	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
13	TPK-2FP□ □-30	2	30	60	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
14	TPK-2FP□ □-37	2	37	72	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
15	TPK-2FP□ □-45	2	45	85	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
16	TPK-2FP□ □-55	2	55	105	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
17	TPK-2FP□ □-75	2	75	140	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
18	TPK-2FP□ □-90	2	90	170	降压 (Step-down)	普通型 (Ordinary type)	2000 800 500



喷淋控制：普通型切换（二用一备）Spraying control: ordinary switching (two in use one in spare)

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Reated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-3FP□-0.75	3	0.75	1.8	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
2	TPK-3FP□-1.5	3	1.5	3.4	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
3	TPK-3FP□-2.2	3	2.2	4.8	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
4	TPK-3FP□-3	3	3	6.4	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
5	TPK-3FP□-4	3	4	8.2	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
6	TPK-3FP□-5.5	3	5.5	11.1	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
7	TPK-3FP□-7.5	3	7.5	15	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
8	TPK-3FP□-11	3	11	22	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
9	TPK-3FP□-15	3	15	30	全压 (Full-pressure)	普通型 (Ordinary type)	700 600 250
10	TPK-3FP□ □-15	3	15	30	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
11	TPK-3FP□ □-18.5	3	18.5	36	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
12	TPK-3FP□ □-22	3	22	44	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
13	TPK-3FP□ □-30	3	30	60	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
14	TPK-3FP□ □-37	3	37	72	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
15	TPK-3FP□ □-45	3	45	85	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
16	TPK-3FP□ □-55	3	55	105	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
17	TPK-3FP□ □-75	3	75	140	降压 (Step-down)	普通型 (Ordinary type)	2200 1000 600
18	TPK-3FP□ □-90	3	90	170	降压 (Step-down)	普通型 (Ordinary type)	2200 1000 600

消防控制：普通型切换（二用一备）Fire-fight control: ordinary switching (two in use one in spare)

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Reated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-3FSZ□-0.75	3	0.75	1.8	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
2	TPK-3FSZ□-1.5	3	1.5	3.4	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
3	TPK-3FSZ□-2.2	3	2.2	4.8	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
4	TPK-3FSZ□-3	3	3	6.4	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
5	TPK-3FSZ□-4	3	4	8.2	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
6	TPK-3FSZ□-5.5	3	5.5	11.1	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
7	TPK-3FSZ□-7.5	3	7.5	15	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
8	TPK-3FSZ□-11	3	11	22	全压 (Full-pressure)	普通型 (Ordinary type)	1000 800 250
9	TPK-3FSZ□-15	3	15	30	全压 (Full-pressure)	普通型 (Ordinary type)	1000 800 250
10	TPK-3FSZ□ □-15	3	15	30	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
11	TPK-3FSZ□ □-18.5	3	18.5	36	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
12	TPK-3FSZ□ □-22	3	22	44	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
13	TPK-3FSZ□ □-30	3	30	60	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
14	TPK-3FSZ□ □-37	3	37	72	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
15	TPK-3FSZ□ □-45	3	45	85	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
16	TPK-3FSZ□ □-55	3	55	105	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
17	TPK-3FSZ□ □-75	3	75	140	降压 (Step-down)	普通型 (Ordinary type)	2200 1000 600
18	TPK-3FSZ□ □-90	3	90	170	降压 (Step-down)	普通型 (Ordinary type)	2200 1000 600

智能控制 Chapter of intelligent control

消防控制：普通型切换（一用一备）Fire-fight control: ordinary switching (one in use one in spare)

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Reated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-2FSZ□-0.75	2	0.75	1.8	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
2	TPK-2FSZ□-1.5	2	1.5	3.4	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
3	TPK-2FSZ□-2.2	2	2.2	4.8	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
4	TPK-2FSZ□-3	2	3	6.4	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
5	TPK-2FSZ□-4	2	4	8.2	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
6	TPK-2FSZ□-5.5	2	5.5	11.1	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
7	TPK-2FSZ□-7.5	2	7.5	15	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
8	TPK-2FSZ□-11	2	11	22	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
9	TPK-2FSZ□-15	2	15	30	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
10	TPK-2FSZ□ □-15	2	15	30	降压 (Step-down)	普通型 (Ordinary type)	1600 600 400
11	TPK-2FSZ□ □-18.5	2	18.5	36	降压 (Step-down)	普通型 (Ordinary type)	1600 600 400
12	TPK-2FSZ□ □-22	2	22	44	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
13	TPK-2FSZ□ □-30	2	30	60	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
14	TPK-2FSZ□ □-37	2	37	72	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
15	TPK-2FSZ□ □-45	2	45	85	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
16	TPK-2FSZ□ □-55	2	55	105	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
17	TPK-2FSZ□ □-75	2	75	140	降压 (Step-down)	普通型 (Ordinary type)	2000 800 600
18	TPK-2FSZ□ □-90	2	90	170	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 600

喷淋控制：普通型切换（一用一备）Spraying control: ordinary switching (one in use and one in spare)

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Reated current(A)	起动方式 Starting mode	主备泵切换 Main-spare pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-2FPZ□-0.75	2	0.75	1.8	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
2	TPK-2FPZ□-1.5	2	1.5	3.4	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
3	TPK-2FPZ□-2.2	2	2.2	4.8	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
4	TPK-2FPZ□-3	2	3	6.4	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
5	TPK-2FPZ□-4	2	4	8.2	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
6	TPK-2FPZ□-5.5	2	5.5	11.1	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
7	TPK-2FPZ□-7.5	2	7.5	15	全压 (Full-pressure)	普通型 (Ordinary type)	600 500 220
8	TPK-2FPZ□-11	2	11	22	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
9	TPK-2FPZ□-15	2	15	30	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
10	TPK-2FPZ□ □-15	2	15	30	降压 (Step-down)	普通型 (Ordinary type)	1600 600 400
11	TPK-2FPZ□ □-18.5	2	18.5	36	降压 (Step-down)	普通型 (Ordinary type)	1600 600 400
12	TPK-2FPZ□ □-22	2	22	44	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
13	TPK-2FPZ□ □-30	2	30	60	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
14	TPK-2FPZ□ □-37	2	37	72	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
15	TPK-2FPZ□ □-45	2	45	85	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
16	TPK-2FPZ□ □-55	2	55	105	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
17	TPK-2FPZ□ □-75	2	75	140	降压 (Step-down)	普通型 (Ordinary type)	2000 800 600
18	TPK-2FPZ□ □-90	2	90	170	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 600

喷淋控制：普通型切换（二用一备） Spraying control: ordinary switching (two in use one in spare)

序号 No.	型号 Model	控制泵数 No. of pumps under-control	功率 Power (kW)	额定电流 Rated current(A)	起动方式 Starting mode	主备泵切换 Main-spares pumps switching	箱柜尺寸(mm) 高 宽 厚 Cabinet dimension H W Thick
1	TPK-3FPZ□-0.75	3	0.75	1.8	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
2	TPK-3FPZ□-1.5	3	1.5	3.4	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
3	TPK-3FPZ□-2.2	3	2.2	4.8	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
4	TPK-3FPZ□-3	3	3	6.4	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
5	TPK-3FPZ□-4	3	4	8.2	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
6	TPK-3FPZ□-5.5	3	5.5	11.1	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
7	TPK-3FPZ□-7.5	3	7.5	15	全压 (Full-pressure)	普通型 (Ordinary type)	800 600 250
8	TPK-3FPZ□-11	3	11	22	全压 (Full-pressure)	普通型 (Ordinary type)	1000 800 250
9	TPK-3FPZ□-15	3	15	30	全压 (Full-pressure)	普通型 (Ordinary type)	1000 800 250
10	TPK-3FPZ□ □-15	3	15	30	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
11	TPK-3FPZ□ □-18.5	3	18.5	36	降压 (Step-down)	普通型 (Ordinary type)	1700 700 400
12	TPK-3FPZ□ □-22	3	22	44	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
13	TPK-3FPZ□ □-30	3	30	60	降压 (Step-down)	普通型 (Ordinary type)	1800 800 500
14	TPK-3FPZ□ □-37	3	37	72	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
15	TPK-3FPZ□ □-45	3	45	85	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
16	TPK-3FPZ□ □-55	3	55	105	降压 (Step-down)	普通型 (Ordinary type)	2000 1000 500
17	TPK-3FPZ□ □-75	3	75	140	降压 (Step-down)	普通型 (Ordinary type)	2200 1000 600
18	TPK-3FPZ□ □-90	3	90	170	降压 (Step-down)	普通型 (Ordinary type)	2200 1000 600

## 售后服务体系 AFTER-SALES-SERVICES SYSTEM



### Service Items

- Technical training
- Equipment evaluation
- Installation and adjustment
- Trouble-shooting
- Maintenance and repairing
- The modification & improvement of equipment

## 控制柜外形及安装尺寸 External and installation dimensions of the control cabinet

控制柜的柜体采用上海宝钢的冷扎钢板，充分保证了柜体的强度；同时柜体采用喷塑工艺，从而使柜体能达到 锈和 喷塑不易脱落的目的。用户若对柜体的形状、颜色有特殊要求的，请务必在合同中详细注明。当合同中有一组控制柜时，请确认是否安装在一起？这一组柜体是否需要做成同高同深？

The cabinet body is made of the cold-rolled steel sheet of Shanghai Bao Steel to fully ensure its strength; and at the same time, plastic-spraying technology is used for it to get the purpose of rust-proofness and the sprayed-plastic not easy to come off. Please make it clear with a detailed note in the contract in case of special requirements on its shape and color. And please confirm, when there is a group of control cabinets in the contract, if they are mounted together? and if they have to be made with a same height or depth?

规格 Specs 柜型 Cabinet model	H	L	W	A	B
壁挂式箱体 Wall-hung cabinet body	500	350	180	230	540
	600	500	220	380	640
	800	600	250	480	840
立柜 Vertical cabinet	1400	600	400	440	360
	1600	600	400	440	360
	1700	700	400	540	360
	1800	800	500	640	460
	2000	800	600	640	560
	2000	1000	600	840	560
	2200	800	600	640	560
2200	1000	600	840	560	

