

Pressurized Products

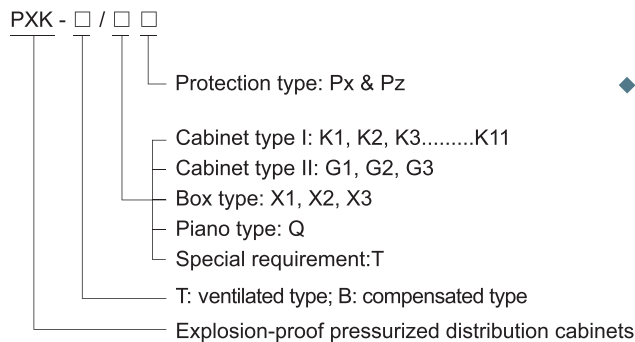
PXK Series Explosion-proof Pressurized Distribution Cabinets



Ex pz IIC

- ◆ Explosion protection to
 - CENELEC
 - IEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
- ◆ Explosion-proof types IIB, IIC.
- ◆ Available in types G, X, Q, T, K.
- ◆ The product consists of main cavity and auxiliary cavity. The main cavity is of pressurized cavity, with electrical components that users need and pressure check sensor system, ventilation air distribution system, and air conditioning system, etc.; the auxiliary cavity is installed with explosion-proof ventilation auto-control system, explosion-proof power auto-off system, explosion-proof alarm system, explosion-proof pressure display system, and air in/out connector; the auxiliary cavity with auto-air supply is equipped with explosion-proof air supply device.
- ◆ Cabinet type product adopts GGD frame; the main cavity and auxiliary cavity are of left and right structure; cable channel is of horizontal installation type; bottom inlet, front operation and back overhauling.
- ◆ Box type product adopts high quality steel plate welding structure; the main cavity and auxiliary cavity are of up and down structure; wall type installation; bottom inlet, front operation and back overhauling.
- ◆ The back doors of cabinet type and piano type are of rapid opening device, convenient for user to install and overhaul.

Catalogue number logic



Ex px IIB



Ex px IIC

Zones 1&2; 21&22

Pressurized Products

PXK Series Explosion-proof Pressurized Distribution Cabinets

Technical data

Explosion-proof pressurized distribution cabinets (Ex pz IIC)

PXK-□/□□

Explosion protection

Gas explosion protection

Ex II 3 G Ex pz IIC T5 Gc

Dust explosion protection

Ex II 3 D Ex pD IIIC T95°C Dc IP66

Certificates

EPT 15 ATEX 0187; IECEX

Conformity to standards

EN 60079-0:2012, EN 60079-2:2007, EN 61241-4:2006
IEC 60079-0:2011, IEC 60079-2:2007, IEC 61241-4:2001

Positive pressure value

200Pa~800Pa(0.002bar~0.008bar)

Air source

0.2MPa~0.8MPa (2bar~8bar)

Rated voltage

Max .690V AC / 500V DC

Rated current

Max .630A

Enclosure material

Stainless steel or powder coated carbon steel

Degree of protection

IP66

Ambient temperature

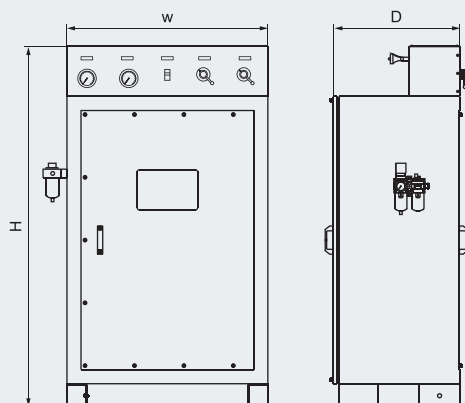
-10°C~+55°C

Selection table

Type	Outline W×H×D (mm)	Main cavity W×H×D (mm)	Auxiliary cavity W×H×D (mm)	Effective dimension of main cavity operation panel W×H (mm)	Installation (mm)	Enclosure weight (kg)
K1	680 x 1490 x 410	680 x 1000 x 300	680 x 370 x 250	760 x 440	600 x 180	30
K2	1000 x 1370 x 410	1000 x 1000 x 300	1000 x 250 x 250	760 x 760	920 x 180	45
K3	1000 x 1370 x 510	1000 x 1000 x 400	1000 x 250 x 250	760 x 760	920 x 280	55
K4	1000 x 1370 x 710	1000 x 1000 x 600	1000 x 250 x 250	760 x 760	920 x 480	65
K5	1000 x 1650 x 710	1000 x 1280 x 600	1000 x 250 x 250	760 x 1040	920 x 480	80
K6	1000 x 1800 x 710	1000 x 1430 x 600	1000 x 250 x 250	760 x 1190	920 x 480	90
K7	1000 x 1800 x 960	1000 x 1430 x 850	1000 x 250 x 250	760 x 1190	920 x 730	105
K8	1000 x 1800 x 1110	1000 x 1430 x 1000	1000 x 250 x 250	760 x 1190	920 x 880	110
K9	1000 x 1800 x 1225	1000 x 1430 x 1115	1000 x 250 x 250	760 x 1190	920 x 995	116
K10	1000 x 1800 x 1370	1000 x 1430 x 1260	1000 x 250 x 250	760 x 1190	920 x 1140	122
K11	1000 x 1800 x 1560	1000 x 1430 x 1450	1000 x 250 x 250	760 x 1190	920 x 1330	128

Dimension drawings

(all dimensions in mm) - subject to alteration



Pz series pressurized cabinets

- It is a pressurized explosion-proof cabinet designed for Zone 2; compared with Px series, Pz series leave out the safety device that checks ventilation time, and only marks the ventilation time; it is operated according to requirement before energizing of main cavity by user; when air pressure is lower than 100Pa, the auto-control system automatically alarms (audio and visual); opens air inflow and automatically adjusts inner air; when air inflow successes, it recovers to normal; if not, the air pressure decreases to 60Pa; the system does not automatically de-energize, but continues to alarm.

Ordering information

- Please specify the product type when ordering according to Catalogue Number Logic;
- Users should provide electrical system drawing, control schematic diagram, brand of inner components, layout drawing of panel components, cable size of inlet/outlet and quantity, etc..



Technical data

Explosion-proof pressurized distribution cabinets (Ex px IIB)

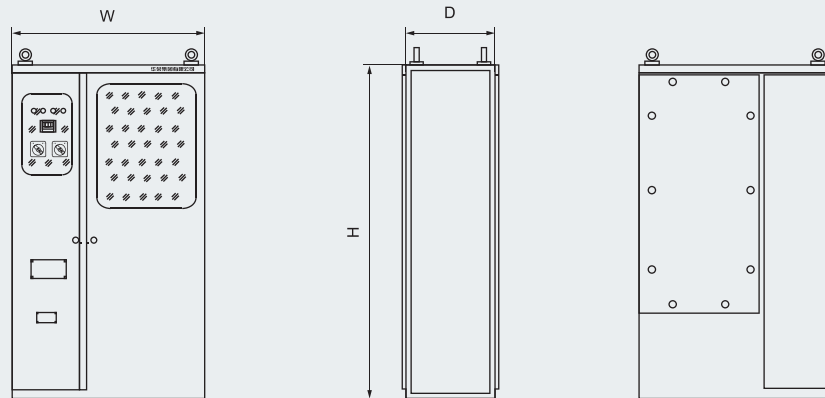
PXK-□/□□

Explosion protection	Ex II 2 G Ex d e [ia] ia px IIB T4 Gb
Certificates	PCEC (China); DNV 15 ATEX____; IECEx
Conformity to standards	EN 60079-0:2012, EN 60079-1:2007, EN 60079-2:2007, EN 60079-7:2007, EN 60079-11:2012 IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-2:2007, IEC 60079-7:2006, IEC 60079-11:2011
Positive pressure value	200Pa~800Pa(0.002bar~0.008bar)
Air pressure	0.2MPa~0.8MPa (2bar~8bar)
Rated voltage	Max.690V AC
Rated current	Max.630A
Enclosure material	Powder coated carbon steel or stainless steel
Degree of protection	IP66
Ambient temperature	-40°C~+55°C

Selection table

Type	Outline W×H×D (mm)	Main cavity W×H×D (mm)	Auxiliary cavity W×H×D (mm)	Effective dimension of main cavity operation panel W×H (mm)	Installation (mm)	Enclosure weight (kg)
G1	1200 x 1800 x 600	800 x 1800 x 600	400 x 1800 x 600	600 x 1500	1000 x 550	80
G2	1400 x 2100 x 600	1000 x 2100 x 600	400 x 2100 x 600	800 x 1800	1200 x 550	100
G3	1400 x 2100 x 800	1000 x 2100 x 800	400 x 2100 x 800	800 x 1800	1200 x 750	120

Dimension drawings (all dimensions in mm) - subject to alteration



Px series pressurized cabinets

- ◆ The pressurized cavity of cabinet type product has a large volume and large number of components; it is suitable for the start, control, especially the frequency control of motor speed and soft start, etc of large apparatus (large power); it is also used for centralized control, craft control, instrument analysis, and signal centralized processing system.
- ◆ Users can select proper size (G1, G2, G3) according to the quantity of inner components, and can design the layout drawing of panel and components according to the following "Effective dimension of operation panel of the main cavity".
- ◆ Special design is on request.

Ordering information

- ◆ Please specify the product type when ordering according to Catalogue Number Logic;
- ◆ Users should provide electrical system drawing, control schematic diagram, brand of inner components, layout drawing of panel components, cable size of inlet/outlet and quantity, etc..

Pressurized Products

PXK Series Explosion-proof Pressurized Distribution Cabinets

Technical data

Explosion-proof pressurized distribution cabinets (Ex px IIC)

PXK-□/□□

Explosion protection

Gas explosion protection

Ex II 2 G Ex d e px IIC T4 Gb

Dust explosion protection

Ex II 2 D Ex pD IIIC T130°C Db IP66

Certificates

PCEC (China); DNV 15 ATEX_____ ; IECEx

Conformity to standards

EN 60079-0:2012, EN 60079-1:2007, EN 60079-2:2007, EN 60079-7:2007, EN 61241-4:2006

IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-2:2007, IEC 60079-7:2006, IEC 61241-4:2001

Positive pressure value

200Pa~800Pa(0.002bar~0.008bar)

Air pressure

0.2MPa~0.8MPa (2bar~8bar)

Rated voltage

Max.690V AC

Rated current

Max.630A

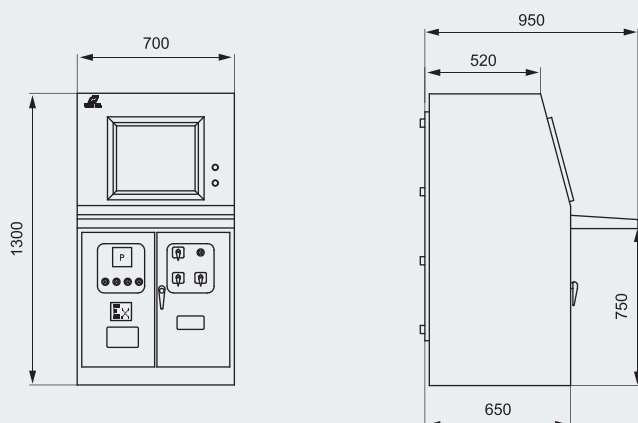
Enclosure material

Powder coated carbon steel or stainless steel

Ambient temperature

-40°C~+55°C

Dimension drawings (all dimensions in mm) - subject to alteration



Px series pressurized cabinets

- ◆ The components of pressurized cavity of piano type product are mainly used for on-site control components, analysis instrument, centralized control and signal contact; and used for on-site continuous operation and monitoring;
- ◆ Computer can be installed on request;
- ◆ Special design is on request.

Ordering information

- ◆ Please specify the product type when ordering according to Catalogue Number Logic;
- ◆ Users should provide electrical system drawing, control schematic diagram, brand of inner components, layout drawing of panel components, cable size of inlet/outlet and quantity, etc..