

Explosion-proof Shutter Operator

US-600W(d) & US-1000W(d)



Explosion-proof Shutter Operator



Explosion-proof Control Panel

Let's think!





You got a project of Oil Refinery Plant.

You need to install 1 shutter at site.

The shutter size is W5.0m X H7.0m and weight 600kg.





Are you sure...?

BAD Choice!







Why this is happened?

Explosive Atmosphere

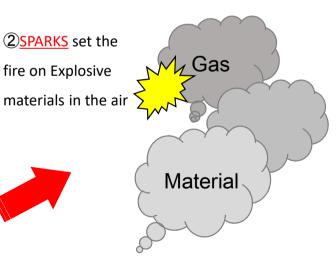


At chemical plant like Oil Refinery Plant, there most likely Explosive gases or materials are flying in the air. It is called "Explosive Atmosphere".

In those kind of environment, you should NOT install normal shutter operator,

but ones that have "Special Structure".







~Explosive Atmosphere~

You'd better to choose

BX Shinsei Explosion-proof Shutter Operator



Motor

JIS: d2G4 IEC: Ex d IIB T4 *IP Code: IP-44

**Applicable Zone: Zone 1 & 2

Limit Switch

IEC: Ex d IIC T6 *IP Code: IP-67

**Applicable Zone: Zone 1 & 2

*IP Code:

Ingress Protection Marking, classifies and rates the degree protection provided by mechanical casings and electrical enclosures against intrusion, dust, accidental contact, and water.

**Applicable Zone:

Zone 1 & 2 defined as the place where has the risk to create the hazardous atmosphere under the usual(Zone1) and unusual(Zone2) condition.



Control Panel

JIS: d2G4 IEC: Ex d IIB T4 *IP Code: IP-50

**Applicable Zone: Zone 1 & 2



External Push Button Switch

IEC: Ex d IIC T6 *IP Code: IP-65

**Applicable Zone: Zone 1 & 2

To grade our shutter operator as a whole,

Equivalent to

IEC: Ex d IIB T4

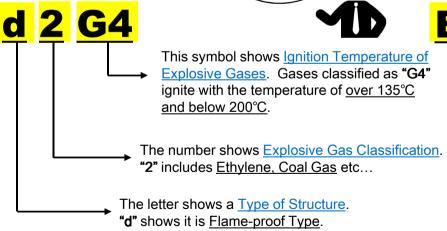
MODEL: US-600W(d) / US-1000W(d)

What is Ex d IIB T4?

Explosion-proof Standard [In Japan] Japanese Industrial Standard (JIS Standard)

We have certificates!

BX Shinsei Product: [Symbol]



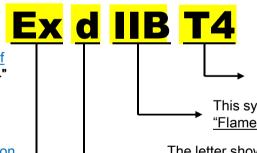
[International]

International Electrotechnical

Commission Standard

(IEC Standard)

BX Shinsei Product: [Symbol]



This symbol shows Temperature Resistance of Equipment. Equipment classified as "T4" can withstand the temperature of over 135°C and below 200°C.

This symbol shows Group of Equipment. Group "IIB" includes "Flame-proof Type" and effective for Ethylene, City Gas etc...

The letter shows a Type of Structure. "d" shows it is Flame-proof Type.

This symbol shows it is "Explosion-proof Structure"

Flame-proof Type?

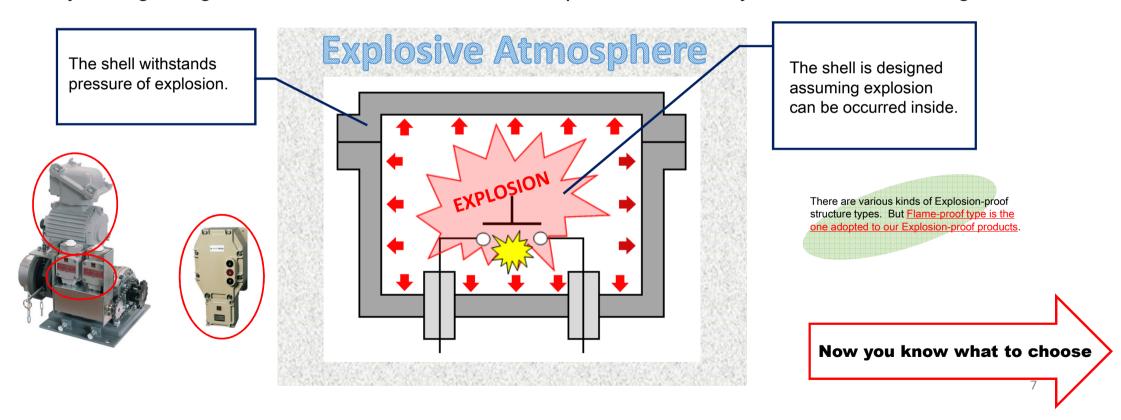


Explosion-proof Structure



One of the most effective Explosion-proof structure is Flame-proof Type.

Ignition source is covered by special shell and explosion can occur only in the shell. This shell is very strong designed and withstand the shock of explosion. This way, fire source will not get out.



GOOD Choice!



BX Shinsei Explosion-proof Shutter Operator!

Model: US-600W(d)

Winding Capacity: 700kg

3-phase 380-440V

Model: US-1000W(d)
Winding Capacity: 1100kg
3-phase 380-440V



