

How to making fire hydrant box & fire extinguisher box

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Fire hydrant box & Fire extinguisher box & cabinet cover producing method

Fire extinguisher box is a cabinet specially designed for long-term fixed storage of portable fire extinguishers. According to the placement type, it can be divided into two types, grounding type and in-wall type. According to the opening method, it can be divided into two types, open door type and flip type. The fire extinguisher box should be made of metal materials such as galvanized steel plate or aluminum alloy.



Fire extinguisher box application

Fire protection products for portable fire extinguishers. It is a necessary fire-fighting equipment for shopping malls, factories, warehouses, office buildings, stations and terminals.

Features: firm and beautiful.

The door can be made of metal or non-metal material. When the door is made of glass, flat glass with a thickness of not less than 3 mm should be used. The extinguisher box should be straight and should not be deformed such as skew or warpage.

The grounding type should be able to be placed

smoothly and should not be tilted and shaken. The fire extinguisher box should be welded or riveted firmly, and there should be no defects such as burn through, welding, burrs and riveting. The surface of the cabinet should be treated with anti-corrosion treatment and the coating should be smooth and flat. The opening operation of the box door and the lid should be light and flexible, and there is no jamming.



Fire hydrant box & fire extinguisher box technical

requirements

About Cabinet Materials Requirement

Fire extinguisher box body should be made of metal materials such as galvanized steel plate and aluminum alloy.

Fire extinguisher box doors & cabinet covers are available in metal or non-metallic materials. When the door is made of glass, flat glass with a thickness of not less than 3 mm should be used.

Dimensions and limit deviation

The external dimensions and limit deviation of the fire extinguisher box shall comply with the requirements.

Cabinet appearance quality

The fire extinguisher box body should be straight and should not be deformed such as skew or warpage.

The surface of the box should be free from uneven unequal processing defects. The vertical tolerance between the faces should not be greater than 3 mm.

The ground fire extinguisher box should be able to be placed smoothly, and there should be no oblique

shaking on the level ground.

After the fire extinguisher box door is closed, it should be flush with the surrounding frame surface, and its flatness tolerance should not exceed 2mm; the gap between the door and the frame should be even and straight, and the maximum clearance should not exceed 3mm.

The parts on the front side of the fire extinguisher box shall not exceed 15 mm in height from the outer surface of the box door; the height of the outer surface of the parts on the other side shall not exceed 10 mm.

The lid of the box should not protrude more than 30mm on the front side, and should not protrude more than 45mm on the side, but should not be less than 15mm.

Fire extinguisher box & fire extinguisher cabinet body should be welded or riveted firmly, and there should be no defects such as burn through, welding, burr and riveting; there should be no wrinkles and other defects on the surface of the stamping parts. Surface of the fire hydrant box should be treated

with anti-corrosion treatment. The fire extinguisher box for anti-corrosion treatment shall be smooth and flat, uniform in color, free from defects such as flow marks, cracks, air bubbles, scratches, bumps and peeling.

How to making fire hydrant box & fire extinguisher cabinet enclosure.

Roll forming machine design for galvanized steel material fire hydrant box & fire extinguisher cabinet enclosure.

Fire hydrant cabinet enclosure production process by
2 in 1 Uncoiler Straightening → servo feeder →
Hydraulic press breach device → Guide device →
roll forming machine → bending → shear device
(including knife) → finished product rack



Fire hydrant box & fire extinguisher box roll forming machine parameter

No.	Item	Specification
1	Can Formed Material	PPGI,GI,AI
2	Equipment operation	Automatic
3	Voltage	380V 60Hz 3Phase or Customized

4	Thickness of sheet (mm)	0.8-1.5mm
5	Material width(mm)	As box size
6	Material of rollers	GCr15 quenched and chromed
7	Speed	12m/min
8	Diameter of shaft	45mm
9	Weight of the Machine	4000-5500KGS
10	Motor brand	Siemens
11	PLC	Siemens
12	Power of hydraulic system	7.5-18.5kw
13	Power of main molding core	4-7.5kw

About Cover of firehydrant box



Cabinet Door (box cover) performance

Door-opening fire extinguisher boxes shall be provided with door locks or door closing devices. The fire extinguisher box for setting the door lock shall be provided with a manual mechanism for emergency opening of the door.

Fire extinguisher box door (box cover) opening operation should be light and flexible, no jamming

phenomenon, the opening force should not be greater than 50N.

The opening angle of the door of the open fire extinguisher box shall not be less than 120°; the opening angle of the lid of the flip type fire extinguisher box shall not be less than 100°.

How to making galvanized steel cover.

[Fire hydrant box cover roll forming machine](#) with high efficiency production, easy operation and safety working. completed line just need 1 engineer for control the fir extinguisher cabinet & hydrant box production.

