

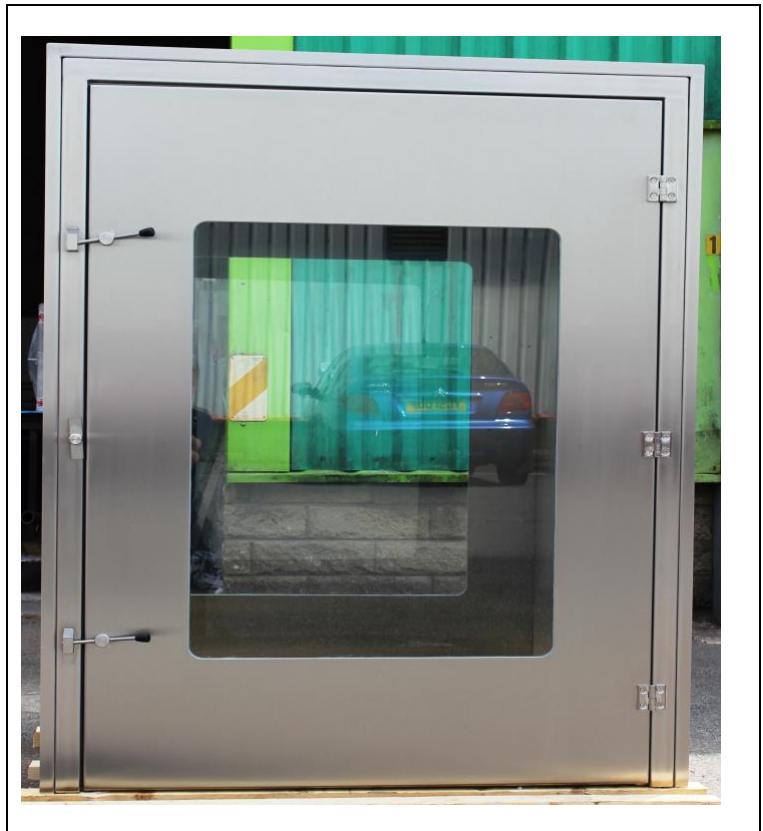
Clean Room Equipment

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STAINLESS STEEL TROLLEY STYLE PASS THROUGH HATCH WITH GLAZED AND CLAMPED DOORS

Available to clients own bespoke sizes (see page 2 for example of typical size).

These hatches have no base as they are intended to sit directly onto the floor.



APPLICATIONS:

Clean Room Equipment's 'Trolley' Pass Through Hatches are manufactured to fit bespoke applications to allow the transfer of specific size trolley's, or containers, between 2 no. cleanrooms with the minimum of disruption to the integrity of the rooms, by minimising the risk of airborne cross-contamination.

The elimination of surface contamination on materials to be transferred is usually effected by spraying with disinfectant and/or wiping with sterile non-shedding wipes.

It is the responsibility of the user to implement validated disinfection procedures.

FEATURES:

This style of hatch is intended to be floor mounted, and would have two framed doors, each glazed in either, 6.4mm thick clear laminated glass, or, 6mm thick clear toughened safety glass, which open on surface mounted stainless steel cast hinges.

Each door is fitted down 1 edge with a rubber edging seal which allows the doors to be clamped closed by the action of turning the knobbed lever, on the door, until it locates and slides into the angled receiver on the outside face of the hatch.

These doors are deliberately not sealed in order to allow a small volume of air from the clean side (which is normally at a higher pressure) to continuously flush the interior of the hatch. This volume is so relatively small by comparison with room air flows, that, it should have no perceptible effect on room pressures.

The doors are interfaced with a mechanical interlock which prevents them both being opened together. This is independent of the door lever turn (clamp).

The hatches are supplied complete with 2 no. 3 sided installation flanges to assist in securing it within a wall, as well as bumper strips / thresher plates, which are secured just under and inside each door to act as location points for trolleys being pushed into the Hatch (not compulsory).

Further details follow.

DIMENSIONAL DETAILS (for the purpose of showing an example) :-

Model	External Dimensions			Internal Dimensions			Price
	Width	Height	Depth	Width	Height	Depth	
TROLLEY	860*	1280*	1040	700	1200	1000	On request

NB *Allow +10mm for structural opening, which includes allowance for fixing flanges.

GENERAL CONSTRUCTION :

Manufactured around a 50 x 50mm, 304, or 316 grade stainless steel box section framework with formed internal and external panelling to top and both sides, from 1.5mm thick polished 304, or 316 grade stainless steel sheet. Doors are typically manufactured from 2 skins of 1.5mm stainless steel polished sheet and glazed with either 6.4mm thick clear laminated glass, or, 6mm thick clear toughened safety glass, and fitted with a rubber compression seal down 1 side. Lever type door handles, housings, hinges and mechanical interlock components are made from stainless steel with exception of the lever knobs which are manufactured from black reinforced polyamide. Bumper strips / door threshold plates are formed from 2mm thick 304, or 316 grade stainless steel sheet.

Installation flanges are manufactured from 2mm thick 304, or, 316 grade polished stainless steel sheet, and folded to form 30 x 30mm angles, which are welded to provide typical 3 sided surround flanges.

WARRANTY :

12 months excluding glass from date of final delivery.

FIXING/INSTALLATION DETAILS (General) :

Flanges are typically (**) supplied loose to clamp the Hatch to the wall .

(**) On the side designated 'Clean Side', position and then secure 1 flange around the hatch with the angle to the inside (this can be flush to the end of the hatch – flush, or, in bound – protruding), then offer the hatch into the prepared aperture until the flange is tight up to the wall. Secure to the hatch by silicone/adhesive, or screw's, and to the wall by silicone/adhesive.

(**) If advised of installation handing, this flange can be secured prior to delivery (factory fitted).

On the 'Dirty Side' offer the other flange over the hatch with the angle to the inside and push flush to the wall. Secure to the wall and hatch with silicone/adhesive, ensuring the hatch is level.

Once in position, fill any gaps between the hatch and flanges with a bead of grey silicone sealant (supplied).

OPERATING DETAIL :

To open a door, turn the rectangular plated knob (interlock) on the front edge of the hatch so that the long edge is clear of the door and in a clearly vertical position, then turn the lever rod fixed on the door until the opposite end slides out of the angled housing, releasing the door. A sprung plunger is now released which acts as a stop should anyone try and access the other door, because across the opposite door the interlock plate will now be horizontal across this door and cannot be turned due to the restriction of movement by the extended plunger on the open side, (plated knobs are connected and offset).

If a trolley is being offered into the hatch, push it into the hatch until the rear wheels have passed over the bumper strip on the open door side, then, close the door.

On closing the door, make sure the lever rod is turned until it secures tightly into its housing, clamping the door shut.

Always ensure that when opening, or closing a door, the interlock plate is clear of the door.

(Do not push plunger 'in' on open side manually).

OPTIONS :

Fire resistance glazing can be offered to provide a Trolley Hatch with a level of resistance.

FOR FURTHER INFORMATION PLEASE CONTACT :-

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