

HPO Pits for Airport and Aircraft Hangar

TDA's HPO (Hatch and Pop Out) pits cater for the connections of the aircraft to the 400 Hz power supply and all other utilities.

The « Pop Out » system eases the access to the cables and sockets, by presenting them 60 cm above ground.

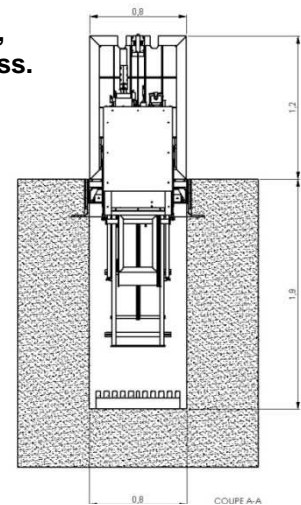
Once all cables are connected, the Hatch pit can work in closed position.

The HPO pits are available with standard or mini hatch. The mini hatches can be combined in a pit containing up to eight hatches.

The lining principle makes the system extraction from the pit very simple, so that any maintenance is performed above ground, quickly and effortless.

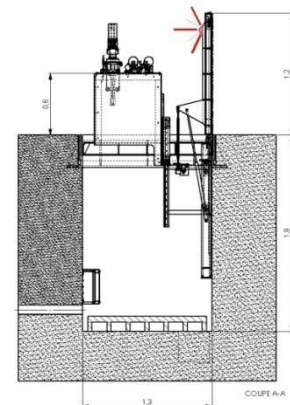
Advantages:

- ✓ Pit working in closed position
- ✓ Connectors and sockets presented at hand's level
- ✓ Frame to seal in the ground and lined frame carrying the hatch are independent:
 - ✓ Eases the installation (sealing of the frame before assembly on site)
 - ✓ Eases the maintenance (easy extraction of the components)
- ✓ Multi-hatch option: selective access to the required connections
- ✓ The Pop-Out system closes the gap and prevents from falling in the pit
- ✓ Load resistance: according to EN 124 class F900 (90 T)



Characteristics and options:

- ✓ Standard pit (1 hatch): 126 cm x 81 cm
- ✓ Mini hatch (1 to 8 hatches): 65 cm x 35,5 cm per hatch
- ✓ Opening assisted by gas springs (option: electric motor)
- ✓ Sump pump in the pit (option)
- ✓ Emergency shut off (option)
- ✓ Switch for working in closed position only (option)
- ✓ 400 Hz cable basket (for multiple connections in the pit)



Equipment to be fitted in the pit:

- ✓ 50 or 60 Hz connectors :
 - ✓ One or three phases
 - ✓ Up to 250 A, three phase by connector
- ✓ 400 Hz cable with aircraft connector
- ✓ 28V DC cable with aircraft connector
- ✓ Earthing cable reel
- ✓ Fanning air
- ✓ Fuel exhaust
- ✓ RJ45 Data transfer connectors and cables
- ✓ Compressed air
- ✓ Etc...

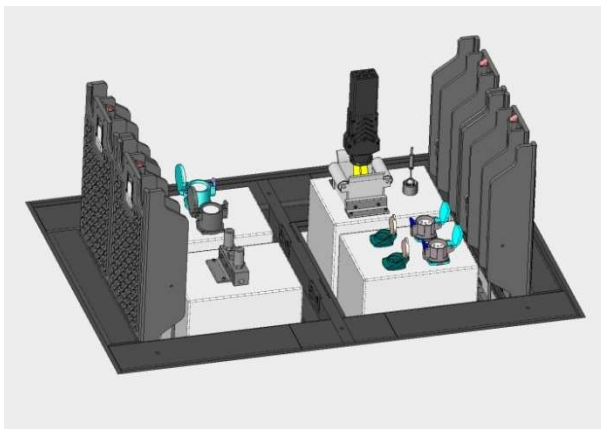
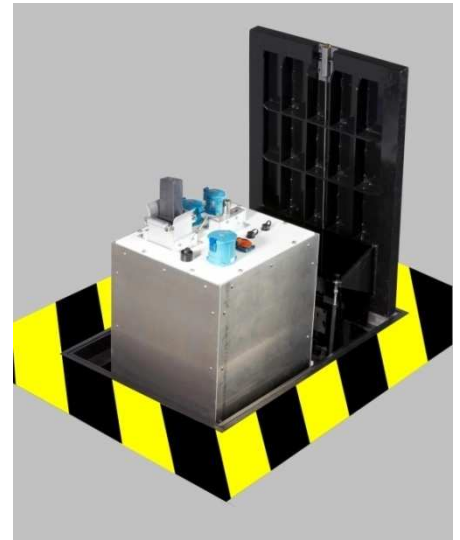


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Configuration and equipment examples

Single flap pit with Pop Out system containing:

- One 400 Hz aircraft cable
- One 125 A 50 Hz 400V 3P socket
- Two 32 A 50 Hz 240 V sockets
- One 24 V 50 Hz socket
- Two RJ45 sockets
- One compressed air connector
- One earthing cable reel



4 mini-flap pit with Pop Out system, containing:

- One 400 Hz aircraft cable
- One earthing cable reel
- Six 50 Hz, 60 Hz or DC sockets
- Two compressed air connectors

Dimension of each flap: 65 cm x 35,5 cm

Available in 1, 2, 3, 4, 6 or 8 flap configuration



PCA pit

with hose vertical storage and tulip shaped hose guide

