

Fuelling Systems

Fuel Hydrant Pit Box



Dabico wants to contribute to a future world that is cleaner, safer and more efficient by providing innovative connection solutions for ships, aircraft and mobile equipment today.

Dabico has led the market for in-ground fuel systems for aircraft for more than four decades. Our experienced engineers design advanced, customised and fully integrated systems for the global airports sector.

Dabico's range of Fuel Hydrant Pit Assemblies provide a complete waterproof solution for fuel hydrant valves in the commercial airport sector. The Pit Assemblies are designed to fit all approved fuel hydrant valve types and guarantee a cleaner operating environment by eliminating dirt and debris. The aircraft load-rated waterproof cover hinged door can be easily lifted with one hand, or for versions with removable doors, can be lifted off ergonomically via a special lifting handle.



DAB-24



DAB-236



DAB-24

Benefits

- White pigmented GRP with internal gel-coat finish (non-toxic, non-galvanic, non-sparking) ensures maximum reflection of light facilitating maintenance and cleaning inside the Pit Assembly. (On request, the pit can also be constructed in fabricated steel, which can be coated to customer specification).
- Pit Assembly can be supplied with both bottom and side entry fuel riser options.
- Two-piece pit design feature allows easy replacement of ultra-high level (100mm/4in below apron) bellows seal, which is protected by aluminium cover assembly. The seal holds 3m+ head of water (4.8psi) without adhesive or mechanical fixings.
- Improved safety as Pit Assembly absorbs axial and lateral ground movement, providing early warning of permanent apron shift.
- Easier Pit Assembly location and identification due to a special abrasion, corrosion and chemical resistant color-coded cover service inserts.
- Enhanced operational security thanks to specifically designed orange safety cover panels, which alert personnel to open covers.
- Pit Assembly features a large liquid containment and maintenance access area.
- Pit can be supplied fully factory assembled, complete with site installation kit, for optimum site installation.

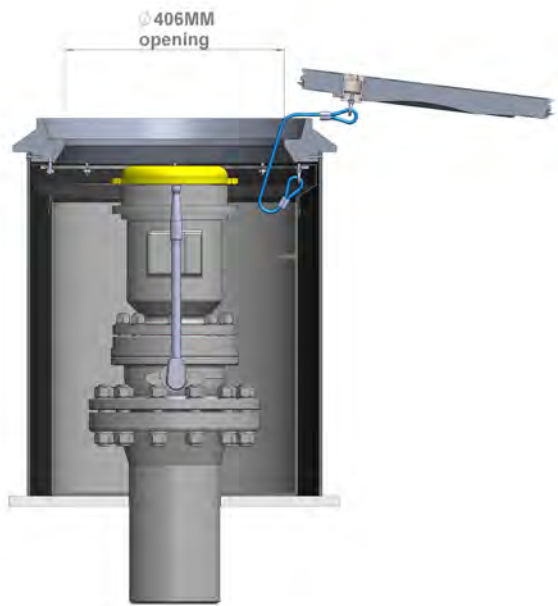
Application

Designed as an environmentally safe enclosure for the installation of Hydrant Pit Valves and Under Hydrant Riser Shut-Off Valves, or Sampling Vent or Drain Equipment.

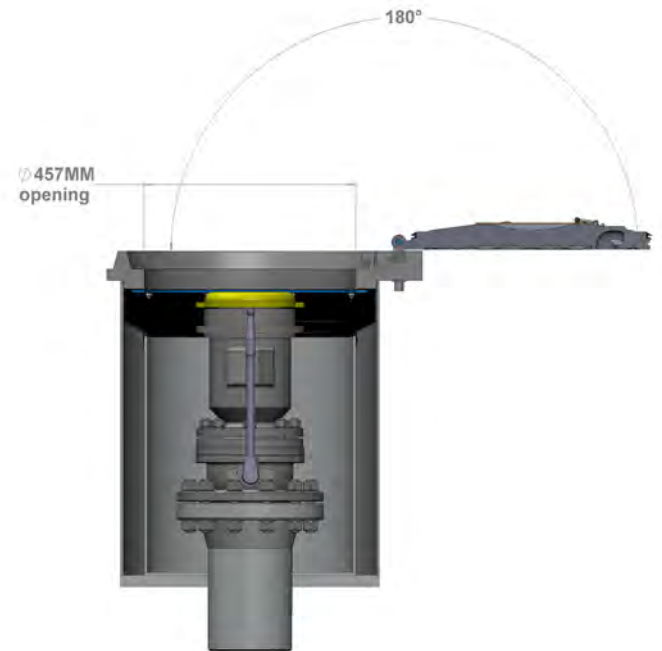
The aircraft pit lid is fitted with a patented two chevron seal that provides protection from the ingress of dirt, debris, and fluids. The pit lid is aircraft load rated tested with a 900kN test load and so is able to withstand the weight of the world's largest and most modern aircraft.

Technical dimensions

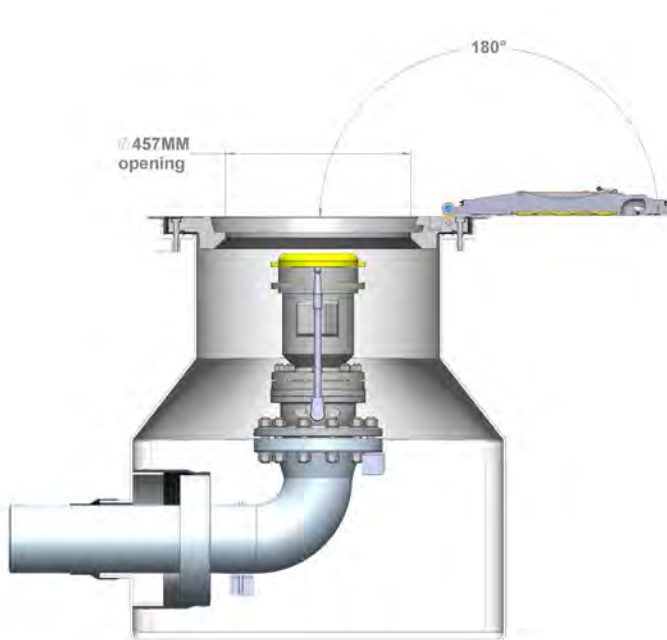
Unit: Millimeters



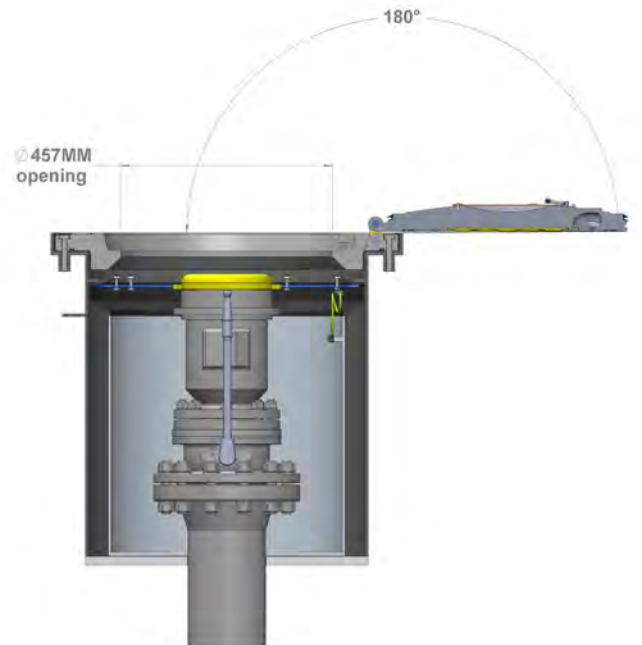
DAB-20



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DAB-236



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Recommended accessories

- Installation Kit (ensures that the riser flange is correctly installed at the correct height)
- Blanking Flange Assembly (fitted with either a 1/2" or 3/4" firesafe ball valve and allows the hydrant pipeline to be vented after flushing/testing)

Dabico also manufactures/supplies a full range of Hydrant Pit Valves, Under Hydrant Riser Shut-Off Valves, Sampling and Vent/Drain Valves for the above. Side entry pit boxes are available on request.

Other pit products manufactured for aviation fuel hydrant systems include

- Prefabricated Isolation Valve Pits
- Prefabricated Surge Suppressor Pits
- One Hand Lift Vault Access Covers
- Rolling Covers
- Rolling Cover Pit Assembly
- Off-Apron Pit Assembly
- Test Well Pit Assembly
- Cathodic Protection System Test Chambers
- Leak Detection System Pull Box Pits
- Emergency Fuel System Shutdown Posts
- Prefabricated Cable Draw Pits
- Access Covers for Concrete Draw Pits
- Fixed Bottom Loading/Unloading Arms
- Fixed & Variable Reach Top Loading Arms
- Pop-Up Pantographs (for Tank Truck Loading)
- Pantographs (Direct Aircraft Refuelling)
- Helicopter Refuelling Pantographs
- Surge Absorbers