

Environmental pit box GBMY50 Series



Environmental pit box GBMY50 Series

With protection of the environment in mind and with the co-operation of one of the major international oil companies, Meggitt have developed a truly environmentally friendly hydrant pit box.

Designed specifically to prevent any fuel spillage in the pit from escaping and contaminating the surrounding area, the two piece construction of the pit provides a large welded inner catchment area with over 0.3 cubic metre capacity below the seal. The design allows for a very large ground movement, 25mm (1-inch) vertically and 50mm(2-inch) horizontally, without affecting valve operation and preventing stress or damage to the riser pipe.

A high level positive seal fitted between the inner and outer sections of the box ensures that any fuel you see in the pit is the total spillage and not simply the residue of a larger spillage.

The position of the seal allows ease of inspection and replacement with no requirement for special tools or hydrant depressurization.

The lightweight aluminium pit lid is designed to withstand the maximum loads modern aircraft can apply while still being easily removed for operation.

The lid employs a simple locking device to secure it to the box and can be retained using the optional strap for maximum security during pit usage.

Materials

Inner & outer body	Carbon steel
Riser pipe	API 5L grade B standard weight
Seal	Aviation fuel resistant NITRILE

Treatment

Inner surfaces of body	Two coat epoxy enamel
Outer surfaces of body	" Intertuf " epoxy
Riser pipe 6" bore	Copon EA4-2217 or Interline 850

Testing

Riser pipe section pressure tested to 28 bar (406 psi)

02 Key Features

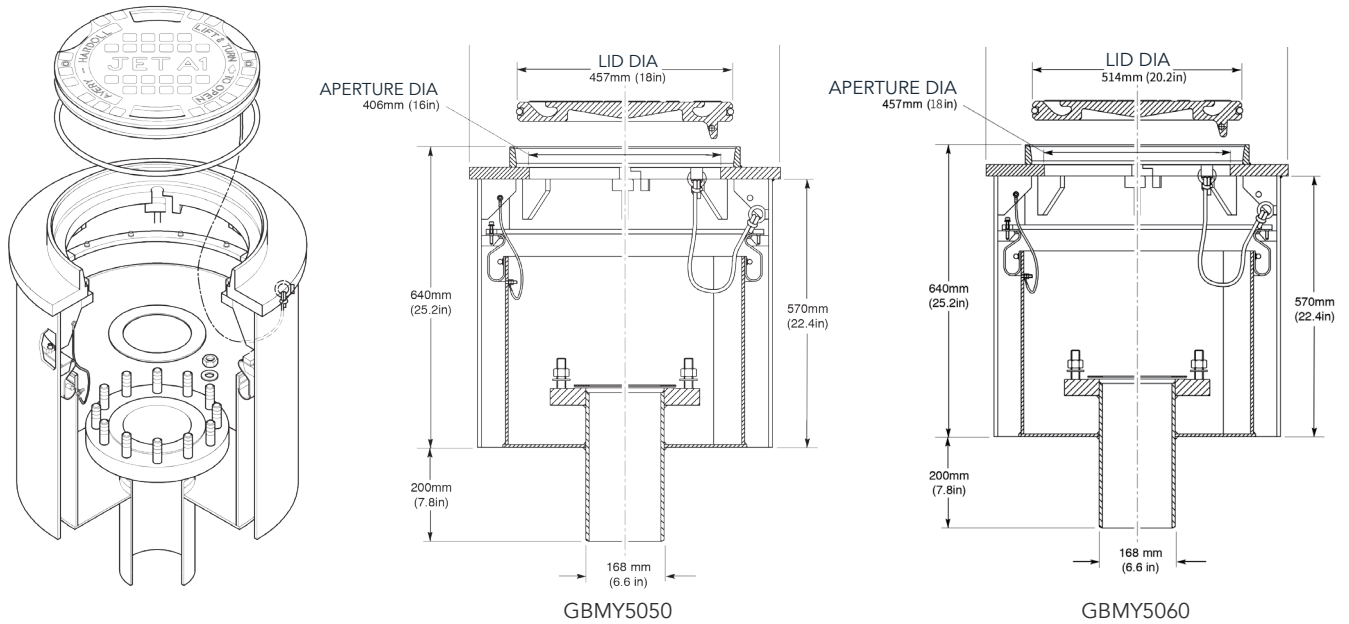
- Positive sealing for protection of the environment
- Rugged steel construction for long service life
- Large positively sealed catchment area
- Absorbs large vertical and horizontal ground movement

03 Additional Features

- Design easily customised for specific applications
- Accepts all valves meeting EI recommendations
- High level seal for ease of maintenance
- Lightweight aluminium lid with locking facility

Environmental pit box GBMY50 Series

04 Key Specification & Dimensions



05 Order information

Various configurations are available on the Model GBMY5050 pit box. The part configuration table in below

GBMY50

50/60

M2

L / LC

Select one options for pit box opening size:

Option Letter	Description
50	16-inch opening with 18-inch cover
60	18-inch opening with 20-inch cover

Select one options for pit lid from below table:

Option Letter	Description
M2	D400 pit lid
M4	F900 pit lid

Select one options for pipe size from below table:

Option Letter	Description
L	6-inch inlet pipe
LC	4-inch inlet pipe

Example: GBMY5060M4-L

Pit box, with 18-inch opening size

F900 pit lid and 6 inch inlet pipe

Environmental pit box GBMY50 series

06 Ordering information for tools

GBMY5020	As 5000 with weld neck flange
GBMY5006	Extended spanner for use with GBMY5050M4
GBMY5009	Installation kit (aligns two halves) for GBMY5050 6-inch pipe L configuration
GBMY5009-1	installation kit (aligns two halves) for GBMY5050 4-inch pipe -LC configuration
GBMY5009-2	Installation kit (aligns two halves) for GBMY5060 6-inch pipe -L configuration
GBMY3000	Blanking flange and gasket
GBMY3005	Extended spanner for use with GBMY5000A valve using 3/4-inch bolts/studs (not supplied)

* Meggitt also offer a full range of pit valves, under hydrant and sampling, vent and drain valves for the above.

F900



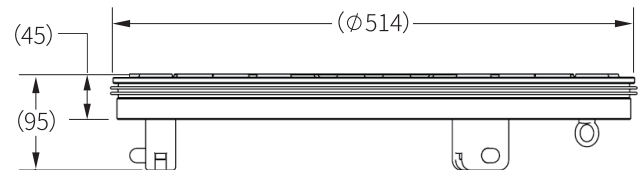
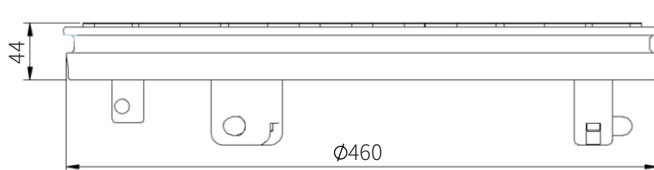
01 Key Features

Aviation Fuel Hydrant Pit Lid is tested and certified to EN 124-1 & 3, Class F900. Meggitt Aviation has designed and manufactured the 18" Aviation Fuel Hydrant Pit Lid to EN 124 1&3 standard, class F900. Test results have been certified by independent inspectors. The consistently high quality of the Aviation Fuel Hydrant Pit Lids is guaranteed by quality monitoring according to EN 124.

02 Key Specification & Dimensions

Design and construction	EN124	Material	Aluminum alloy
Load class	F900	Weight	Approximately 17 kg = (37.4 lbs)
Corrosion resistance hydrocarbons	Anti-icing, salt, water,	Diameter	460mm (18-inch)
		Retaining rope	Yes
		Locking type	Yes
		O-ring	Yes

03 Appearance dimension



04 Contact

Meggitt (Xiamen) Sensors & Control Co., Ltd.

Address: No. 230 South 5 Gaoqi Road, Xiamen 361006, P.R. China

Telephone: +86 592 5733 666

Mail: Fuelling.Products@Meggitt.com