

# ISO45 AVIATION GROUND UNIT

- ◆ **COMPACT AND LIGHTWEIGHT**
- ◆ **ROBUST ALUMINIUM CONSTRUCTION**
- ◆ **HARD WEARING ALUMINIUM BRONZE ISO45 ADAPTOR**
- ◆ **3/8 INCH BSPP TAPPING IN BODY (FLANGED VERSION ONLY)**
- ◆ **SUITABLE FOR DEPOT OR VEHICLE USE**
- ◆ **TW1 FLANGE OR 2.1/2 INCH BSPP FEMALE THREADED VERSIONS**



## Introduction

The Aljac Aviation Ground Unit has been manufactured with quality and value in mind for use in aviation refuelling systems in conjunction with 2.1/2 inch ISO45 aviation hose units. The light weight Aluminium body has a black anodised finish for long life and scratch resistance, and the ISO45 Adaptor is produced from hard wearing Aluminium Bronze.

## Description

The Aljac Aviation Ground Unit has a non-selective Aluminium Bronze ISO45 Adaptor, anodised Aluminium body, Viton seals, and is available with either a TW1 flat face flange or a 2.1/2 inch BSPP female thread.

The TW1 flanged version is supplied with a 3/8 inch BSPP female tapping in the body. This can be fitted with the GTP-235-3/8AH Jet Test QD to allow a contamination test to be performed using a Minimonitor Kit or Millipore Test Kit. (See DS0144 Gammon contamination kits).

**Note:** The 2.1/2 inch BSPP female threaded version is not available with the 3/8 inch BSPP tapping.

The maximum working pressure for both versions is 10.2 Bar and is for use where locked in coupling pressure does not exceed 5.5 Bar.

*The TW1 flanged Ground Unit is equivalent to and interchangeable with the Meggitt FCMY107M5LC and Aljac 40FCMY107M5LJAC.*

*The 2.1/2 inch BSPP threaded Ground Unit is equivalent to and interchangeable with the Meggitt FCMY108M5L.*

Also available is a sealing cap which fits the Ground Unit and should be used to prevent the ingress of dirt or water. It also fits other manufacturer's units which meet the ISO45 standard.

*It is equivalent to and interchangeable with the Meggitt FCMY122M2.*

## How to order

Simply quote the following **part numbers:-**

**42FCMY107M5LJAC:** Ground Unit, ISO45 non-selective with TW1 flange and 3/8 inch BSPP tapping.

**42FCMY108M5L:** Tank Unit, ISO45 non-selective with 2.1/2 inch BSPP female thread.

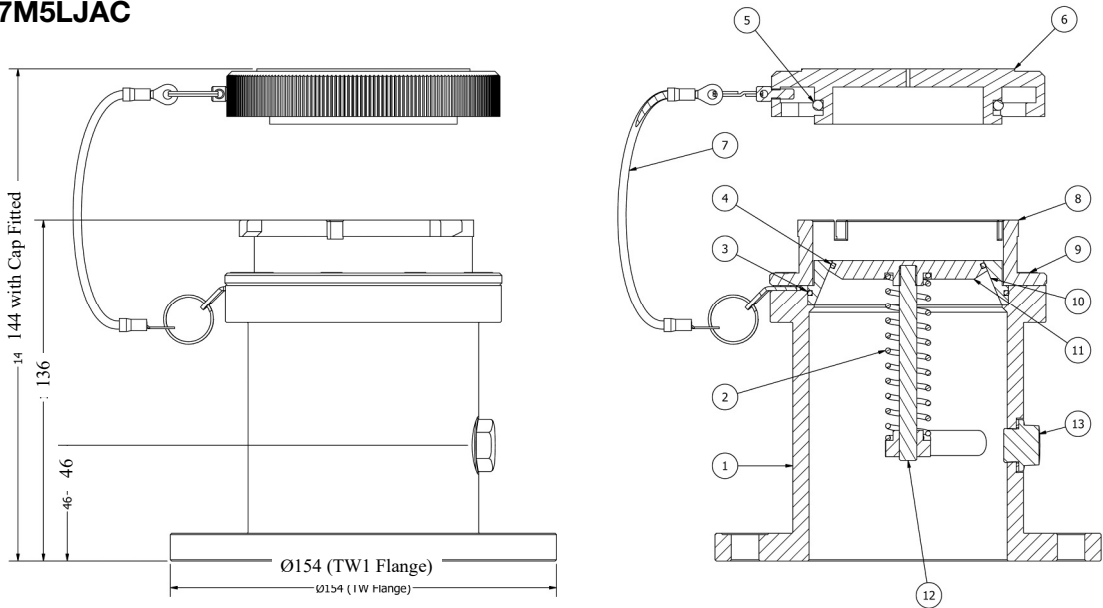
**42FCMY122M2:** Ground unit cap ISO45.

**600202353A:** GTP-235-3/8AH Jet Test QD.

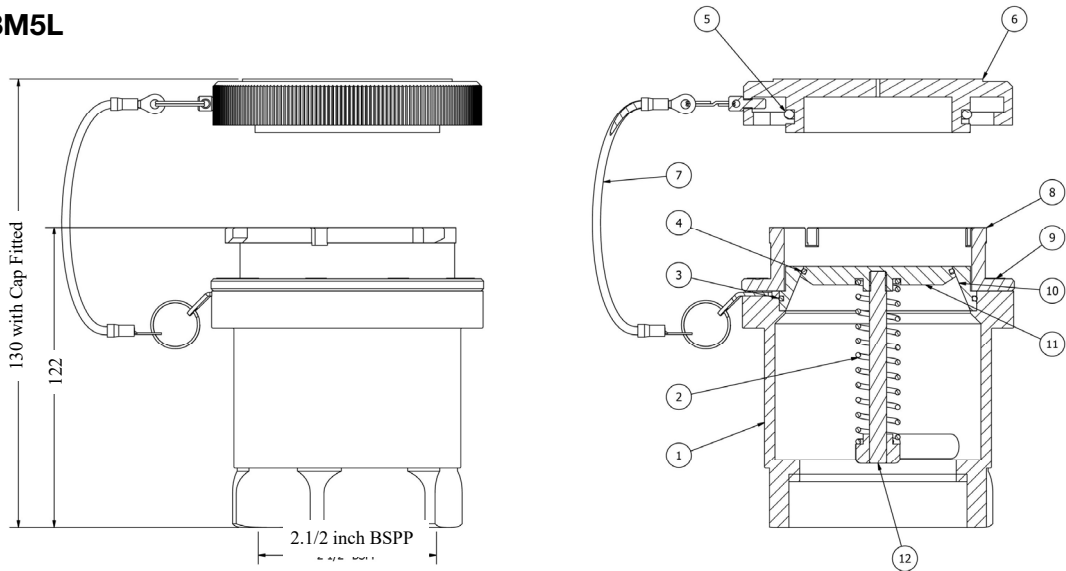
General Arrangement Drawing

All dimensions in Millimeters unless otherwise stated.

42FCMY107M5LJAC



42FCMY108M5L



Pos	Item	Qty
1	Body	1
2	Spring	1
3	O-Ring	1
4	O-Ring	1
5	O-Ring	1
6	Cap	1
7	Cable assy	1

Pos	Item	Qty
8	ISO45 adaptor	1
9	Screw DIN 963	9
10	Valve Seat	1
11	Poppet	1
12	Shaft	1
13	Plug 3/8 inch BSPP	1

All internal components are common for both 42FCMY107M5LJAC and 42FCMY108M5L versions.

**Note:** When the Poppet is in the open position the Shaft does not extend past the base of the unit as it may do with other manufacturer's units.

Applicable Standards

ISO45.  
TW1.

Materials

**Body/cap:** Anodised Aluminium.

**ISO45 Adaptor:** Aluminium Bronze.

**Seals:** Viton.

**Nett weight:**

42FCMY107M5LJAC.	1.66 kg.
42FCMY108M5L.	1.16 kg.
42FCMY122M2.	0.26 kg.