



AEROSPACE INFORMATION REPORT

AIR1615™**REV. B**

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Superseding AIR1615A

(R) Thesaurus for Fuel System Components

RATIONALE

A variety of different names are often used for the same item of equipment within a fuel system. This can be confusing to a new engineer in the field of fuel system design.

This document is intended to aid new engineers by giving all the alternate names for items of equipment commonly found in fuel systems.

AIR1615B has been reaffirmed to comply with the SAE Five-Year Review policy.

FOREWORD

This document contains a list of names of devices that are commonly found in aircraft fuel systems. Following each of these names is a list of synonyms or colloquial descriptions that are frequently used to describe the named component.

The contents of this document are meant to act as an aid to persons who may not be familiar with one or more of the listed aircraft fuel system components. It should be recognized that in many industry documents only the colloquial names are used to describe aircraft fuel system components. In many instances, components are assigned nomenclatures that describe what the component causes the fuel system to do rather than describing the function(s) of the component itself.

At issue B, this document also includes a list of common abbreviations.

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1. SCOPE

This document provides a summary of names commonly used throughout the industry for aircraft fuel system components. It is a thesaurus intended to aid those not familiar with the lexicon of the industry.

TABLE 1 - THESAURUS

Name of Device	Also Known As
ADAPTER, PRESSURE FUEL SERVICING	Single-point refueling adapter, Underwing adapter, Refueling adapter, Ground-fueling adapter, Bottom-loading adapter, Bayonet adapter, Closed-circuit refueling adapter, Pressure refuel coupling, Pressure refuel nozzle
ADAPTER, GRAVITY FILLER	Gravity adapter, Gravity refuel adaptor, Gravity filler cap; Overwing filler, Overwing adapter, Overwing refuel port
BOWSER	Refuel truck, ground refuel equipment
BURST DISC	Over-Pressure Protector
CAP, REFUEL	Pressure refuel cap, Gravity refuel cap
CELL, FUEL	Bladder tank, Fuel tank, Bladder cell, Fuel bag, Self-sealing tank
COMPENSATOR	K-Cell, Permittivity measuring device, dielectric measuring device, compensator probe
DENSITOMETER	Density measuring device
EDUCTOR	Ejector, Jet pump, Injector pump, Ejector pump, Scavenge pump, Booster pump, Jet inducer, Transfer pump, Engine Feed pump
FLUIDIC LEVEL-SENSOR	Jet pilot, Jet level sensor, Jet-operated level sensor, Remote pilot; Float switch
INERTING SYSTEM	Flammability Reduction System, Onboard Inert Gas Generation System (OBIGGS), Fuel Tank Inerting System (FTIS)
LEVEL SENSOR	Point Sensor, wet/dry sensor, low level sensor, high level sensor
PUMP	Motor-driven pump, Turbine-driven pump, Gearbox-driven pump, Positive displacement pump, Centrifugal pump, Eductor, Piston pump, Regenerative pump, Scavenge pump, Jet pump
PUMP, CENTRIFUGAL	Impeller pump, Booster pump, Transfer pump, Override pump, Jettison pump, Engine Feed pump, Engine starting pump