

F116 Underwing nozzles for regular to medium service duty



01 F116 Underwing nozzles for regular to medium service duty

The F116 Nozzle is a medium weight Meggitt standard size nozzle designed for regular duty at commercial airports worldwide. The F116 provides positive leak-tight connection to the aircraft adapter during fuelling operations. In the basic configuration it is furnished standard with a six-bolt mounting flanged inlet compatible with any one of several Meggitt swivels and HECV's. It has full length, high strength, solid bicycle-type handles, a man-sized flow control handle that is fully interlocked to prevent inadvertent spills, and a dust cap; all as standard equipment. When combined with a swivel and/or HECV it becomes a complete unit. The F116 is therefore a family of nozzles out of which can be obtained the correct nozzle for the application.

The Meggitt F116 is available with two different inlet coupling-strainer sizes (diameter) and various inlet threads. Choose the nozzle for the applicable pressure drop requirements from the table on page 2.

Additional features

- 40, 60, and 100 mesh strainers available
- Dry disconnect swivel assembly available
- Grounding cable and vacuum breaker optional
- 35, 45, 50 and 55 PSI HECV's optional
- Pressure gauge available

Note: for heavy duty service use the Meggitt F117 nozzle.

02 Key Features

- Mates with international standard bayonet adapter
- Floating nose seal tolerant to temperature or worn adapters - changeable with minimal disassembly
- Flexible lip nose seal (F117 type) available as option (mod N)
- Six slot connector and replaceable nose end standard (mod X)
- Poppet seal - modular replacement concept
- No copper or copper alloys used in contact with fuel
- Man-sized flow control handle made of high strength aluminum for ease of operation in all weather conditions
- Extra-long 10-inch handles available - standard handles are 7-inches long. All handles of solid wrought aluminum
- Will not mate adapters with product selection
- Lighter weight for standard to medium service duty
- Two, 2.5, and 3-inch ANPT and 2.5 and 3-inch BSPPL threaded inlets available

Ground Fueling Products

F116 Underwing nozzles for regular to medium service duty

03 Key Dimensions

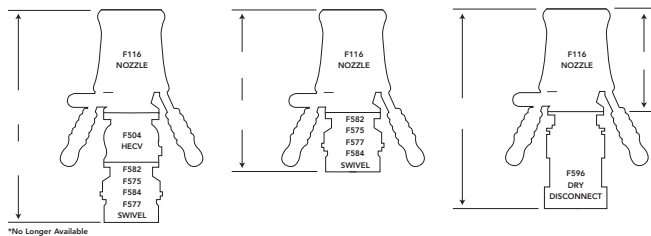
Coupling and strainer dia - inches	coupling type	pressure drop at 500 gpm*
3.0 (alum - CRES)	3	11.5 PSI
3.0 (alum - CRES)	4	11.5 PSI
2.5 (flight refueling)	5	16.0 PSI
2.5 (alum - CRES)	7	16.0 PSI

* Data includes 100 mesh strainer and swivel.

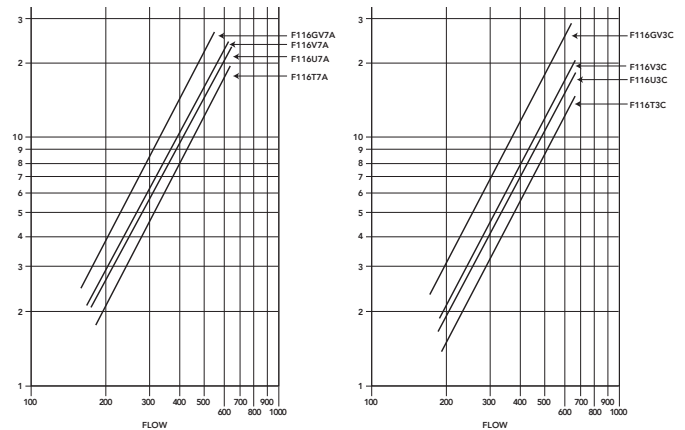
For complete data, modification and technical sections, refer to the F116 maintenance manual.

Contact your local Meggitt distributor or Meggitt directly for technical information beyond that listed in the maintenance manual.

F116 Dimensions



F116 Flow Data



04 Contact

Meggitt Shanghai Office

Address: Rm 1107, Block A, No.319 XianXia Road, Changning District
Shanghai, China

Telephone: +86 21 6278 1096

Website: <https://www.meggitt.com/products-services/ground-fuelling>

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

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

Telephone: +86 592 5733 666

Website: www.meggittxiamen.com/gfp