Pressure Lube Adapter

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These high reliability units serve a specialized need to allow spillproof, quick-connect oil or hydraulic servicing of aircraft engines, transmissions, generators, auxiliary power units and other aircraft systems. They meet MIL-A-25676 requirements and are available in MS24476-1 and -2 sizes that mate with MS24475-1 and -2 servicing nozzles respectively.

Dust caps per MS24480-1 and -2 are also available.

Eaton pressure lube adapters are designed for minimum life cycle cost. They incorporate machined-in control of spring location and deflection, close valve poppet machining tolerances, and controlled seal deflection.

Special Notes

Eaton has been an innovator and pioneering leader in the development of mechanical and electronic technology for the aerospace, military, space and industrial markets for more than 50 years. Building on early successes of basic mechanical lube system failure detection products, the group anticipated the rapid progress in consumer developments to bring to the market high quality, high-reliability electronic pressure and level sensors, as well as new-generation electronic oil debris monitoring systems.

Recognizing the need for an integrated approach to produce robust and cost-effective lubrication systems, and taking advantage of its diverse technical disciplines, Eaton now offers comprehensive engineering and support services to provide completely tested, certified and qualified lube and hydraulic tank systems.

Applications

- Commercial aerospace
- Military aerospace
- Land vehicles
- Light rail/mass transit

Features

- Machined-in control of spring location and deflection
- Lightweight construction
- Minimal valve poppet chatter
- Prolonged seal life
- Avoidance of leaks associated with seal deformation
- Extended life cycle performance

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AS 9100

Options

- MS24476-1 and -2 sizes to mate with MS24475-1 and -2 servicing nozzles
- Can be designed to meet specialized requirements

Specifications

Material	Body — 2024-T4 Aluminum Alloy, 303 CRES Cap — 6061-T6, 6063-T6 Aluminum Lanyard (Option) — Nylon covered CRES wire
Pressure	Servicing — 5 to 50 psig (.34 bar) Operating — 300 psig (3.44 bar) Proof — 500 psig (34.47 bar) Burst — 750 psig (51.71 bar)
Temperature	-85°F to +400°F (-65°C to 204°C)
Environment	Meets requirements of MIL-STD-810

Eaton
Aerospace Group
Fluid & Electrical Distribution Division
24 East Glenolden Avenue
Glenolden, PA 19036-2198
USA
tel: (610) 522 4000
fax: (610) 522 4900
www.eaton.com/aerospace

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