Fuel Metering Products for the 21st Century

AVstar Fuel Systems

Improves Flight Safety • Lower Operating Cost • Superior Quality

Newer, Robust Gasket Material

- Eliminates legacy gasket relaxation causing body-to-bowl fuel leaks (For more information see Service Bulletin MSA-SB-17 & Lycoming Engines SB 366B)

Increased Float Clearance in Bowl

- Larger machined cavity allowing more clearance preventing floats from sticking (For more information see Service Bulletin MSA-SB-4)
- Increased fluid volume for optimal upper range performance

Stronger & Lighter Main Body Material

- Al 6061-T6 Billet Machined Throttle Body and Bowl
    - 30% increase in yield strength over legacy cast material
    - Eliminates drain plug thread deterioration causing leaks
    - Legacy castings are prone to cracks and porosity
    - AVStar's carburetors average a 15% reduction in weight by design resulting in lower operating costs

Corrosion Resistance

- Fully anodized billets have much higher corrosion resistance than legacy castings
- More stainless components in each carburetor

Performance

- Billet machined venturi's for improved and consistent air flows
- Improved mixture cut-off sealing <1PPH (O/H spec at <8 PPH)
- Optimized air fuel metering using advanced fluid dynamic analysis validated by the world's largest piston engine manufacturer, Lycoming Engines.

www.avstardirect.com

AVStar Fuel Systems | 1365 Park Lane South | Jupiter, Florida 33458 | VOICE (561) 575-1560 FAX (561) 575-0795