



## Standards Compliance

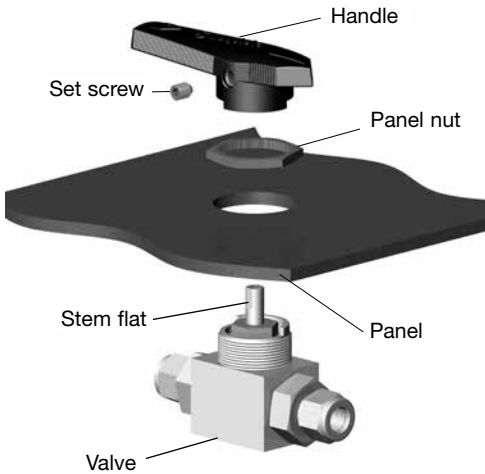
The Swagelok® Alternative Fuel Service (AFS) ball valve complies with:

- ANSI / AGA NGV 3.1 / CGA 12.3-M95  
Classification: Manual valve  
Pressure: 3600 psig (248 bar)  
Temperature: -40 to 250°F (-40 to 121°C)
- ANSI / IAS NGV 4.6 / CSA 12.56-M99  
Classification: Class A  
Pressure: 4500 psig (310 bar)  
Temperature: -40 to 185°F (-40 to 85°C)
- ECE R110 Manual Service Valve Type Approval  
Classification: Class 0  
Pressure: 3770 psig (260 bar)  
Temperature: -40 to 248°F (-40 to 120°C)

Certifications do not include attachments to the valve, such as actuators or a different handle mechanism.

# Swagelok AFS Ball Valve Panel Mount Instructions

1. Prepare a 1.50 in. (38.1 mm) diameter hole in panel.
2. Loosen **set screw** in the handle using a 5/32 in. hex wrench.
3. Lift up on **handle** to remove it from valve.
4. Remove **panel nut** from valve.
5. Insert **valve** through panel hole so valve is flush against the back of **panel**.
6. Thread **panel nut** onto valve. Tighten panel nut using a 1 3/4 in. hex wrench.
7. Place **handle** on valve stem aligning **stem flat** and set screw hole.
8. Thread **set screw** into handle and tighten to 80 to 110 in.·lb.  
( 9.0 to 12.4 N·m) (92 to 126 cm·kg)
9. Test the **valve** for proper operation.



Handle

Set screw

Panel nut

Stem flat

Panel

Valve

Translations available on **[www.swagelok.com](http://www.swagelok.com)**

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