



## Standards Compliance

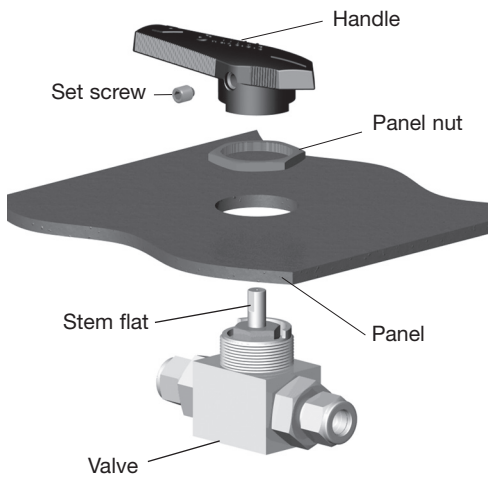
The Swagelok® Alternative Fuel Service (AFS) ball valve complies with:

- CSA / NGV 3.1:20  
Classification: Manual valve  
Pressure: 3600 psig (248 bar) P36  
Temperature: -40 to 250°F (-40 to 121°C)
- CSA / ANSI NGV 4.6:20  
Classification: Class A  
Pressure: 4500 psig (310 bar)  
Temperature: -40 to 149°F (-40 to 65°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.



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

Swagelok—TM Swagelok Company

Printed in U.S.A., CP

© 2009-2024 Swagelok Company

MS-CRD-AFS-PM, RevE, March 2024