



CAV SYSTEMS

Priming Procedure for Metering Pump Install

Current Issue: OCTOBER 2020

CAV Systems Limited

Unit 1A, Linden Park, Number One Industrial Estate, Consett, United Kingdom, DH8 6SZ

T: +44 (0) 1207 599 140

W: cav-systems.com

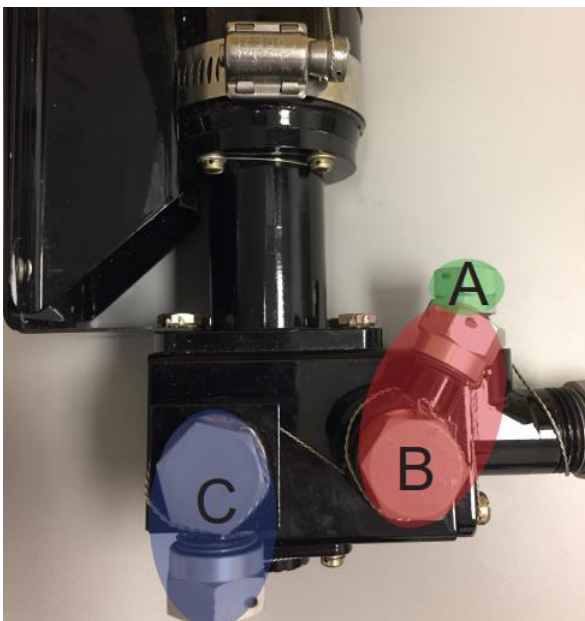
CAV Systems Limited is registered in England & Wales. Unit 1a, Linden Park, Number One Industrial Estate, Consett, County Durham, England DH8 6SZ. Registration no: 10715185 Vat No: 210 541 660

Thank you for purchasing from CAV Ice Protection

FOLLOW THE INSTRUCTIONS BELOW TO ENSURE SUCCESSFUL OPERATION OF TKS® METERING PUMP.

1. Ensure tank is full of TKS® fluid for maximum head pressure to pump inlet.
2. Disconnect supply line at the pump inlet and allow fluid to flow until clear air free flow is obtained.
3. Reconnect supply line and bleed air from the pump body by operating the Windshield Pump (which is self-priming). If flow is not obtained from the windshield spray-bar within five, five second, duration operations cease operating and investigate the cause. You may need to disconnect the 3/16" outlet line at the windshield pump to help the self priming action.
4. Remove the air bleed screw from the filter housing or main body of filter element, and switch on the airframe/propeller Pump.
5. Allow the pump to run on "De-Ice" until clear air free fluid is emitted from the filter bleed.
6. Switch off the pump and replace the bleed screw.

Metering Pump: Figure 1.1



A) Metering Pump Pressure Outlet

B) Windshield Pump Feed Line

C) Metering Pump Inlet

Once the system is primed, the main metering pump may take up to 15 minutes to push TKS® fluid through all the TKS® panels.

Contact us at tech support if you have any questions.
jjennings@cav-systems.com | +1 913-738-5397