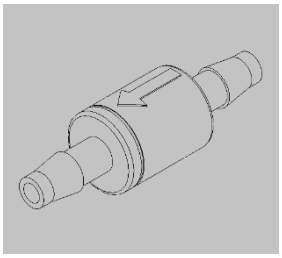
Check Valve Information

for check valve PN 406-1014



Section 1 – What is a Check Valve for?

1. The primary purpose of a check valve is to maintain a consistent time interval between activating the washer pump and fluid exiting the spray nozzle on the arm.
2. The secondary purpose of a check valve is to reduce the amount of fluid that exits the spray nozzle when the pump is not running.

Section 2 – Do I Need a Check Valve? (Test Lab Information)

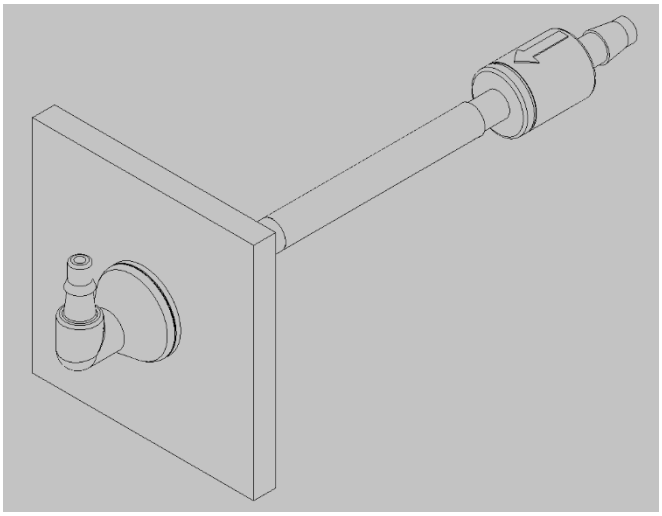
3. Depending on the application, using a check valve in-line with each arm can reduce the spray activation time by about 0.25 seconds. Spray activation time without a check valve is application dependent but typically ranges from 0.1 - 1.5 seconds.
4. For downward hanging arms, without a check valve the fluid within the length of the arm is certain to exit the nozzle when the pump is not running. The time for the fluid to exit the arm is dependent upon the length of the arm.
5. For upward oriented arms, without a check valve, very little fluid will exit the arm because of the arm orientation.
6. NOTE: For all applications where the washer reservoir is mounted higher than the nozzles on the arms in park position, CHECK VALVES ARE REQUIRED to prevent all fluid in the reservoir from leaking out the arms.

Section 3 – How do I Order a Check Valve?

7. Go to https://www.amequipment.com/shop/check-valve/ to order OR
8. Call 541-327-1546 for questions or assistance

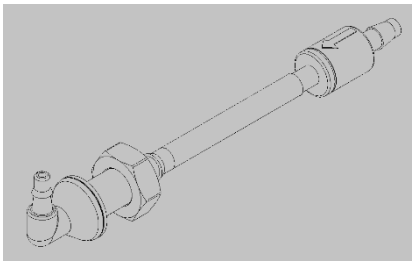
Section 4 - Where do I Install the Check Valve?

9. AME recommends installing the check valve closely behind the bulkhead of the vehicle as shown below. The bulkhead fitting (shown left in the image below) is where the fluid passes though the bulkhead (or body) of the cab.



Section 5 – Helpful Part Numbers

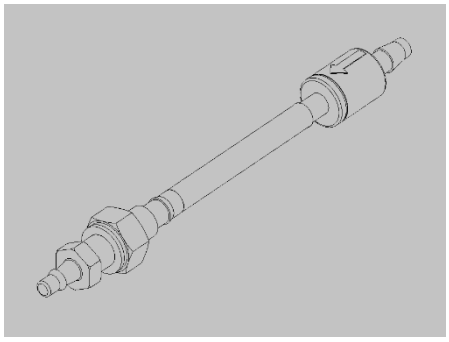
10. To save installation time, check valves can be ordered in a kit with our bulkhead fittings



313-1376

-Needs 10mm hole

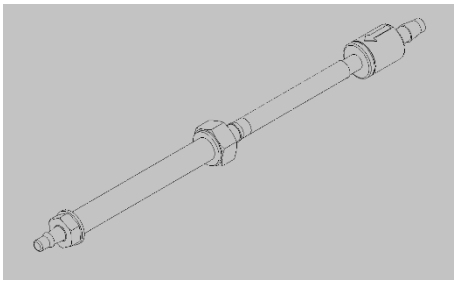
-14mm Max bulkhead thickness



313-1377

-Needs 8mm hole

-12mm Max bulkhead thickness



313-1378

-Needs 8mm hole

-60mm Max bulkhead thickness