

Liquid Backflow Downpipe Check Valve Model 6563

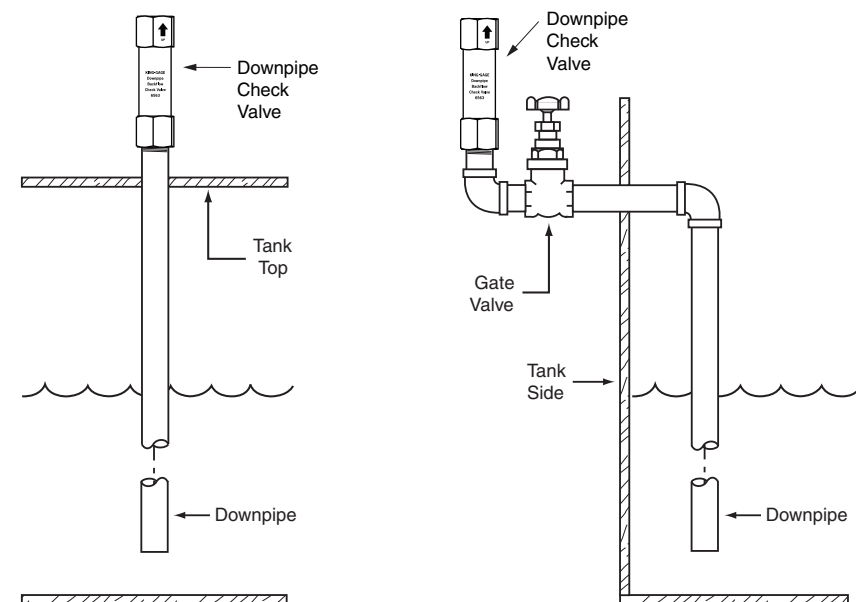
Downpipe Check Valve Model 6563 is intended to prevent liquid backflow or siphoning in the event of loss of air supply pressure to the downpipe. Materials of construction are Type 304 stainless steel, nylon and Viton wetted parts.

IMPORTANT! This check valve is not intended to substitute for a shut off or isolation valve for the downpipe into the tank. Not recommended for use with heavy diesel fuel oil or other high viscosity liquids. Installation in conjunction with a gate valve will permit removal of check valve for inspection and cleaning. (We recommend cleaning the check valve once per year to ensure reliability.)

EXTERNAL INSTALLATION

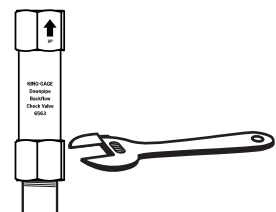
Recommended installation of the Downpipe Check Valve is at the top of the downpipe as it exits the tank. (Depending upon the type of tank application and purge control used, this exit may be either at the top of the tank or where the downpipe penetrates through the tank side wall.)

Avoid any reverse bends in the downpipe below the check valve as this may cause liquid to become trapped. A reducer bushing and tube fitting may be installed at the purge air inlet to connect tubing from the Purge Control.



INSTALLATION AND CONNECTIONS

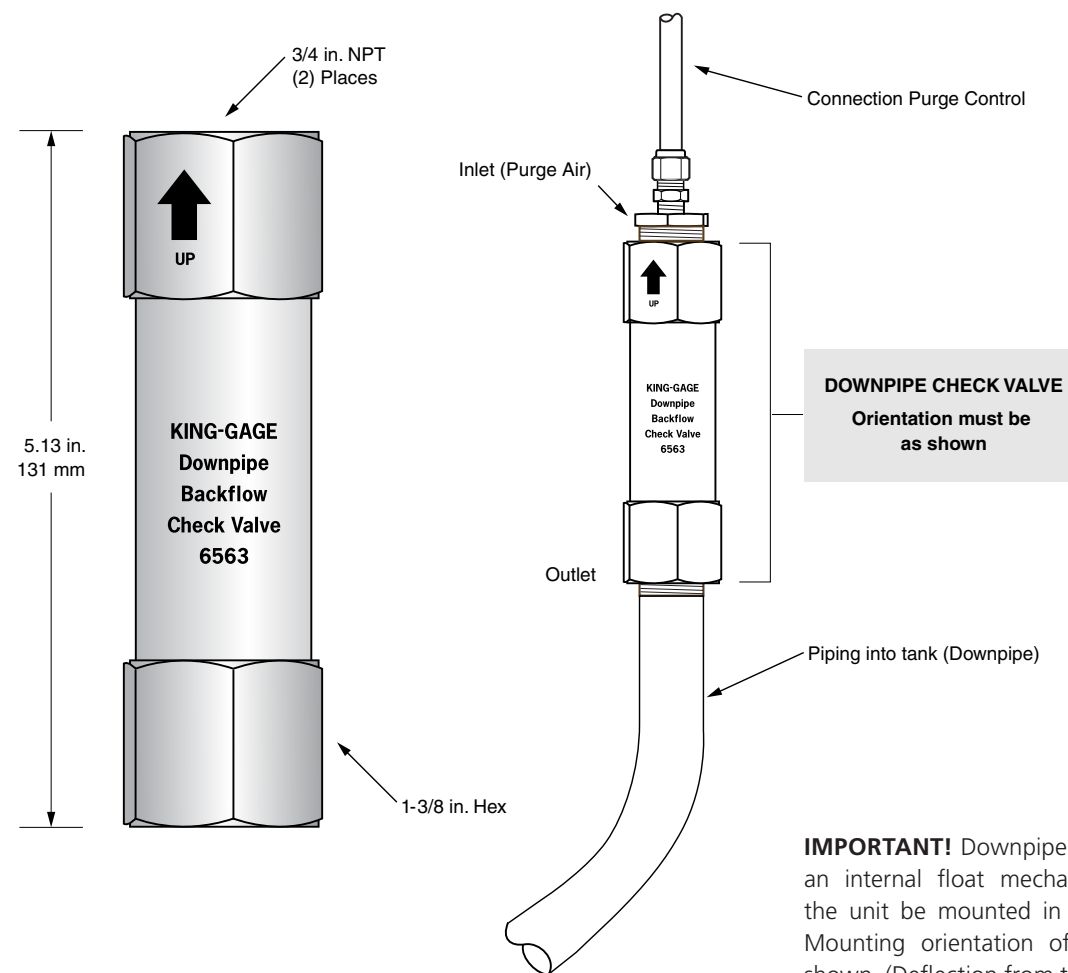
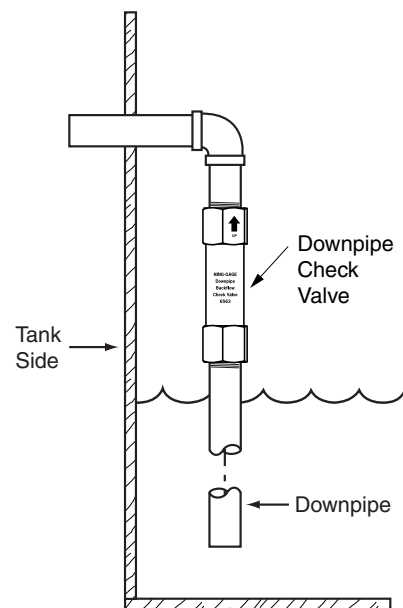
1. Remove and discard the shipping seal plugs from both ends of the Downpipe Check Valve.
2. Thread the downpipe into the outlet connection of the check valve. Use thread sealant to ensure a leak-tight connection to the downpipe. (Any leaks in the downpipe or at the connection to the check valve will potentially affect the accuracy of the tank level reading by the Purge Control.)
3. When tightening the check valve, apply wrench to the hex end closest to the connection. (This will avoid accidentally disassembling check valve assembly.)
4. Thread the upper piping (or thread reducer and fitting) into the inlet connection. Use thread sealant to ensure a leak-tight connection.



INTERNAL INSTALLATION

When necessary, the Downpipe Check Valve may be installed inline on the internal downpipe of the tank. (This is less desirable due to the difficulty of inspecting or servicing the check valve.)

Make certain that the check valve is installed on a vertical portion of the downpipe. Do not position the check valve along any horizontal run of the downpipe as it will fail to operate.



INLET (PURGE AIR): 3/4" NPT

This end up

OUTLET CONNECTION: 3/4" NPT

Purge air inlet and outlet connections are intended for 3/4" pipe used as the downpipe. Downpipe Check Valve may be used on applications using the KING-GAGE® Purge Control or LiquiSeal Purge Control series.

IMPORTANT! Downpipe check valve utilizes an internal float mechanism that requires the unit be mounted in a vertical position. Mounting orientation of unit must be as shown. (Deflection from true vertical position must be no greater than 5° to ensure proper actuation.)

INSTALLATION INSTRUCTIONS

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		DATE	4/7/09
		DRAWN BY	D. Kennedy
A	4/09	Released	APPROVED jg



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DWG. NO.
K-1040-1-6563

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