NELSON

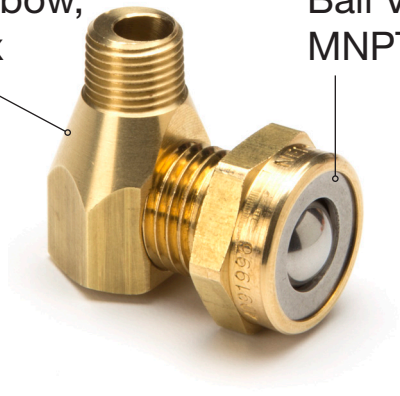
800P Air Vent Installation

PREVENT BOOSTER PUMP AIR-LOCK

IMPORTANT: BALL VENT KIT #10753 MUST BE INSTALLED!

12399
Reducing Elbow, 1/4” FNPT x 1/8” MPNT

10752
Ball Vent, 1/4” MNPT



If the Ball Vent Kit (#10753) included with the 800P is not properly installed, air may be trapped in the pump, preventing the pump from priming. Follow these guidelines to help prevent booster pump air-lock.

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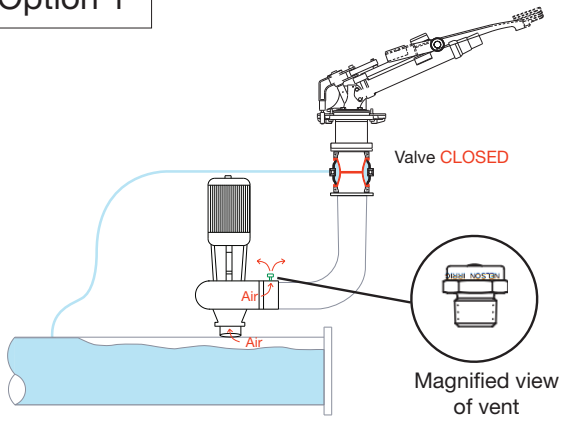
Option 1



Install Ball Vent in Top of Pump Outlet

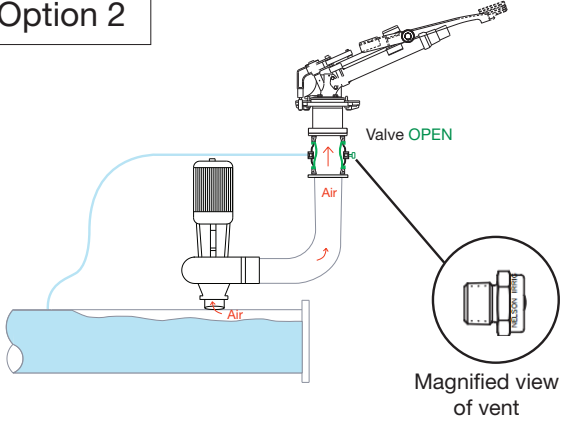
(If unable to install in top of pump discharge, the ball vent may be alternatively installed in the upstream valve cage.)

Works best when system end pressure is LESS than ~30psi* and system is filled SLOWLY.

Air is evacuated through ball vent in top of pump discharge.

Important: if the pressure spikes during filling then the vent could seal off, causing air entrapment which could prevent the pump from priming.

Option 2



Install Ball Vent in Valve Chamber

Works best when system end pressure is MORE than ~30psi* and system is filled QUICKLY.

Ball vent in valve chamber keeps 800P open, allowing air to escape through the valve until system pressure builds up.

Important: if the system pressure drops at any time then the valve might not close completely.

*Exact pressure depends on specific plumbing and water quality.