

## Fontaine ARMOR™ 3-way air valve

The Fontaine Armor air cylinder has a factory installed 3-way air valve. The 3-way valve is a bronze colored piece that is attached to the input of the air cylinder.

The air line should be plumbed directly to the input of the 3 way air valve. The valve allows the cylinder to freely exhaust when the fifth wheel closes, and is necessary to ensure that the fifth wheel functions properly.

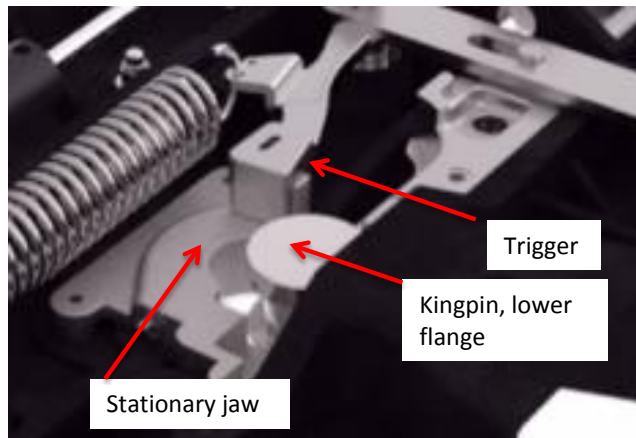
**DO NOT REMOVE THE 3-WAY VALVE.** Removing the 3-way air valve voids the warranty.



Figure 1: Underside view of the Fontaine Armor

## **Anti-high hitch feature**

The Fontaine ARMOR will ONLY trip closed when the trigger is pushed back off the stationary jaw stop. This helps prevent dropped trailers by ensuring the wheel is at the proper height for coupling.



**Figure 3: Kingpin tripping the lock closed**

This feature requires that the top surface of the fifth wheel be flat against the trailer plate to position the kingpin properly within the throat of the wheel (Figure 4). As with any fifth wheel, the proper way to couple involves raising the trailer with the fifth wheel and ensuring the trailer plate is flat against the top of the fifth wheel plate. More information on proper coupling instructions for the driver can be found here: [http://www.fifthwheel.com/armor/video\\_armor\\_operating\\_instructions.html](http://www.fifthwheel.com/armor/video_armor_operating_instructions.html)



**Figure 4: Fifth wheel plate is flat against trailer plate**