

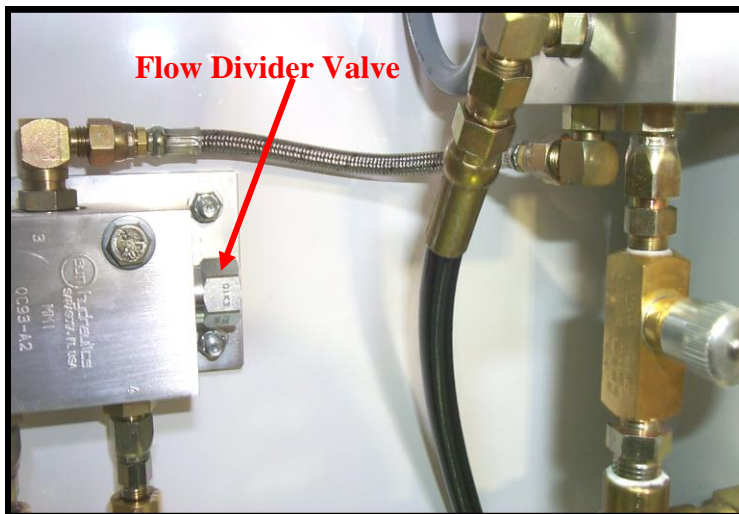
## Replacing the Flow Divider Valve, MX001833, on SwingRiser 19-Twin (HRG 222-B)

In some SwingRiser 19-Twin (HRG 222-B) systems (two gate panels operating from a single hydraulic supply), the gate panels may not move together due to unequal flow of hydraulic fluid to the two posts. This condition can occur in normal operation when:

- The gate panels are near the maximum weight capacity of the operator
- The panels are of uneven weight
- The hose length to and from the far post is greater than twice the hose length to and from the near post

If this condition occurs and creates a problem, HySecurity has a replacement Flow Divider Valve to more evenly divide the flow to the posts.

The replacement valve (Part # MX001833) is a direct replacement for the existing valve (Part # MX000993). These valves can be identified by the markings near the top of each valve.



### Instructions for replacing Flow Divider Valve

1. Use a 7/8" wrench to remove the existing Flow Divider Valve from the aluminum block on the back panel of the hydraulic supply cabinet (see picture on Page 1). Then replace it with the new Flow Divider Valve.
2. Tighten the valve to 30–35 ft-lbs.
3. Run the operator and check for leaks.
4. Done.

# TECHNICAL BULLETIN

## *Proper Sealant for Hydraulic Components*

**Date:** May 1, 2009  
**Regarding:** Use approved sealant to avoid problems in operation  
**Operators Affected:** All hydraulic operators  
**Symptoms:** Intermittent, non-specific problems related to hydraulic flow including IES trips, directional errors, low pressure, high pressure, inoperative brakes, intermittent valve operation, and other operational problems.  
**Action:** Always use Loctite® 545 or an equivalent thread sealant when reassembling hydraulic components with NPT thread

*Background:* There are hydraulic passages inside HySecurity operators that are smaller than .04" in diameter and can easily be blocked by foreign material. When hydraulic operators are serviced in the field, components with NPT (National Pipe Taper) threads require thread sealant during reassembly to ensure leak free operation.

*Problem:* A common sealant is Teflon (PTFE) tape. However, if after assembly, a bit of tape extends into the fluid flow path it may break off into the fluid. If the component is removed at some future date, a small piece of tape may remain in the threaded hole, only to fall into the fluid flow after reassembly. These bits of tape may block the small hydraulic passages causing damage or problems in operation.

*Corrective Action:* When reassembling/reconnecting the hydraulic components of a HySecurity operator with NPT threads, the use of a liquid "thread sealant" such as Loctite® 545 or equivalent is recommended.



**Do not use**  
Teflon (PTFE) tape

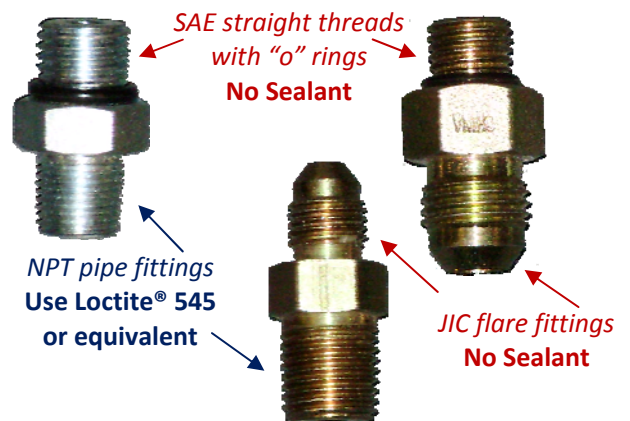


**Recommended Sealant**  
Loctite® 545 or equivalent

**HySecurity recommends that you DO NOT use Teflon (PTFE) tape on our operators.**

*Warranty claims for hydraulic components which show signs of exposure to Teflon tape may be denied.*

**Sealant is not required on compression fittings or any type of component with "o" rings, such as valves, motor elbows, AWOG tubes, etc.**



*George W. Strickland*  
 George Strickland  
 Senior Applications Engineer  
 Ph: 800-321-9947 Fax: 888-321-9946  
 Email: [gstrickland@hysecurity.com](mailto:gstrickland@hysecurity.com)