



# Service Bulletin SB-162

## Swing Handle Locking Valve Adjustment

### IMPORTANT PRODUCT INFORMATION

April 30, 2018

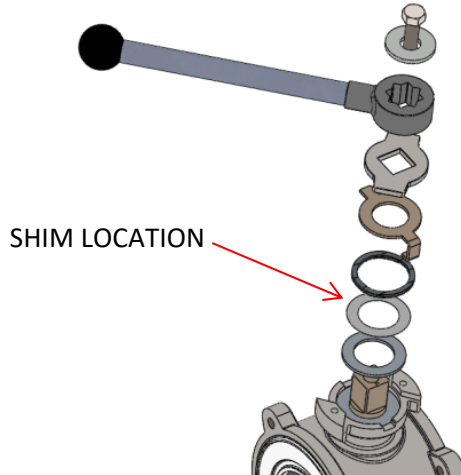
Dear Valued Customer,

The swing handle style Class1 valve utilizes a wave spring and shim washers to provide friction, hold the valve in position, and prevent unwanted movement when 'gating' the valves to control flow. The greatest chance of movement usually occurs during pump testing when there is often less backpressure and the valve is flowing at very high levels. If the valve does not hold position, an additional shim may need to be added to the locking mechanism. The locking action can be increased by adding shims or replacing the existing shim with a thicker shim.

Note the valve lock mechanism should provide a minimum of 23 ft-lb of resistance without the ball or seats installed to ensure proper locking. This is how the swing handle valves are checked at manufacture.

#### ATTENTION ⚠ CAUTION

Do not remove shims without checking torque as this defeats the locking mechanism by reducing the locking torque on the swing handle valve.



If a valve is found to be moving during pump test, add shim, or replace existing shim with a thicker shim to attain 23 ft-lb of resistance. Check the actuation torque with the ball removed to ensure the locking force is 23 ft-lb (31 n-m) or greater as shown above.

HALE PART NUMBER	SHIM THICKNESS	
048-00092-000	0.005 in	0.12 mm
048-00092-002	0.007 in	0.18 mm
048-00092-001	0.010 in	0.25 mm

Thanks for your support of Hale Products. If further information is needed contact Hale Technical Service at [Halettechnicalservice@idexcorp.com](mailto:Halettechnicalservice@idexcorp.com) or 800-533-3569.