



ISO 9001 Certified

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TECHNICAL INFORMATION

Release #: 2014-001

Subject: Griffco Set Point Adjustment Procedure

Model Type:	M and G Series Griffco Back Pressure & Pressure Relief Valves
Size Range:	1/4" – 1/2" M-Series and 1/2" – 1" G-Series
Procedure 1	<p>GENERAL SET POINT ADJUSTMENT PROCEDURE:</p> <ol style="list-style-type: none"> 1. All Griffco valves leave the factory pressure set to a default pressure setting, unless a different customer-specified set point is provided on the originating order. This pressure setting is indicated on the serial number tag. However, the valves are designed to be field-adjustable as detailed here. 2. A check of the serial number tag on your valve will confirm: <ul style="list-style-type: none"> • Set Point of valve by factory at shipment (i.e. "Set: 50") • Pressure range setting capability of the installed spring 3. Begin by removing the black vinyl dust cap on the valve top, revealing the slotted adjustment screw underneath. By turning the adjustment screw with an appropriate bladed tool, valve set point can be modified: <ul style="list-style-type: none"> • Turn CLOCKWISE to INCREASE set point • Turn COUNTER-CLOCKWISE to DECREASE set point 4. It is preferred that a reliable pressure gauge be provided in the system. In this case, set point adjustment can be made with the valve in-line and the process pump energized. Refer to the gauge reading to confirm your adjustment. 5. In the event a gauge is not available, an approximate adjustment can be made by counting a full 360 degree turn of the screw position as one rotation, and noting the following set pressure change approximations for the spring configuration of the valve to be adjusted: <ul style="list-style-type: none"> • 0-50 PSI Spring Range: M-Series: 8 PSI change per 1 rotation G-Series: 5 PSI change per 1 rotation • 10-150 PSI Spring Range: M-Series: 20 PSI change per 1 rotation G-Series: 8 PSI change per 1 rotation • 10-250 PSI Spring Range: M-Series: 25 PSI change per 1 rotation G-Series: 10 PSI change per 1 rotation • 10-350 PSI Spring Range: M-Series: 75 PSI change per 1 rotation G-Series: 30 PSI change per 1 rotation 6. Upon completion of the set point adjustment, be sure to re-install the vinyl dust boot protective cap, removed in step # 3 above.

