

## **Bleeding a Model 50 Uniflow Valve**

The Model 50 Uniflow Valve was obsoleted in 1989. Model 50 Uniflow valves are no longer available from Teleflex Canada Ltd.

Your Uniflow valve is located approximately 18" from your steering cylinder inline with the hydraulic lines. The valve is approximately 1" x 3.5" x 5" and will have 3 hydraulic lines entering from the top and two exiting at the bottom and connecting to your steering cylinder.

1. Open bleed screws on Uniflow valve by turning 1-1/2 times counter clockwise. (The bleed screws are located on each side of the Uniflow valve and can be easily identified, as they are aluminium slot head screws that stand out from the side of the valve by 1/8").
2. Open filler port on upper most steering station / helm pump. Attach funnel/filler tube or header tank to filler port so that the helm pump will have an uninterrupted supply of SeaStar Hydraulic Fluid (HA5430).
3. Turn the steering wheel to the port side approximately 40 revolutions.
4. Turn the steering wheel to the Starboard side approximately 40 revolutions.
5. Repeat steps 3 and 4 at the lower station while maintaining a continuous supply of oil at the uppermost steering station.
6. Close Bleed Screws located on Model 50 Uniflow valve by turning each screw 1-1/2 turns clockwise. Bleed / Purge should be completed.
7. If related steering concerns still persists there may be a high spot, loop or coil that is trapping air. Locate suspect area and correct problem allowing air to rise to the uppermost steering station.