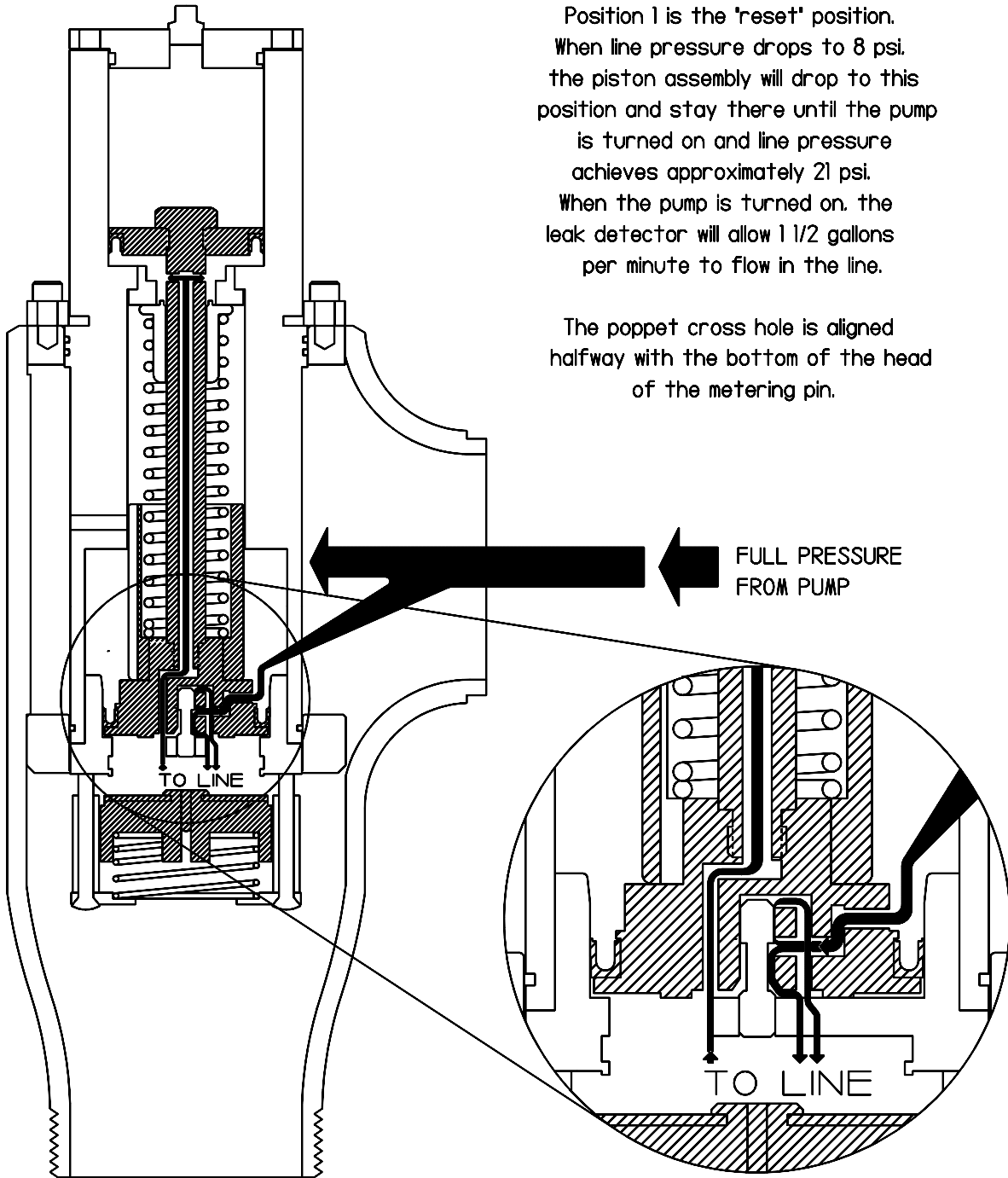


VMI 99 LD3000 HIGH CAPACITY LEAK DETECTOR

Position 1 - Reset

Position 1 is the 'reset' position. When line pressure drops to 8 psi, the piston assembly will drop to this position and stay there until the pump is turned on and line pressure achieves approximately 21 psi. When the pump is turned on, the leak detector will allow 1 1/2 gallons per minute to flow in the line.

The poppet cross hole is aligned halfway with the bottom of the head of the metering pin.

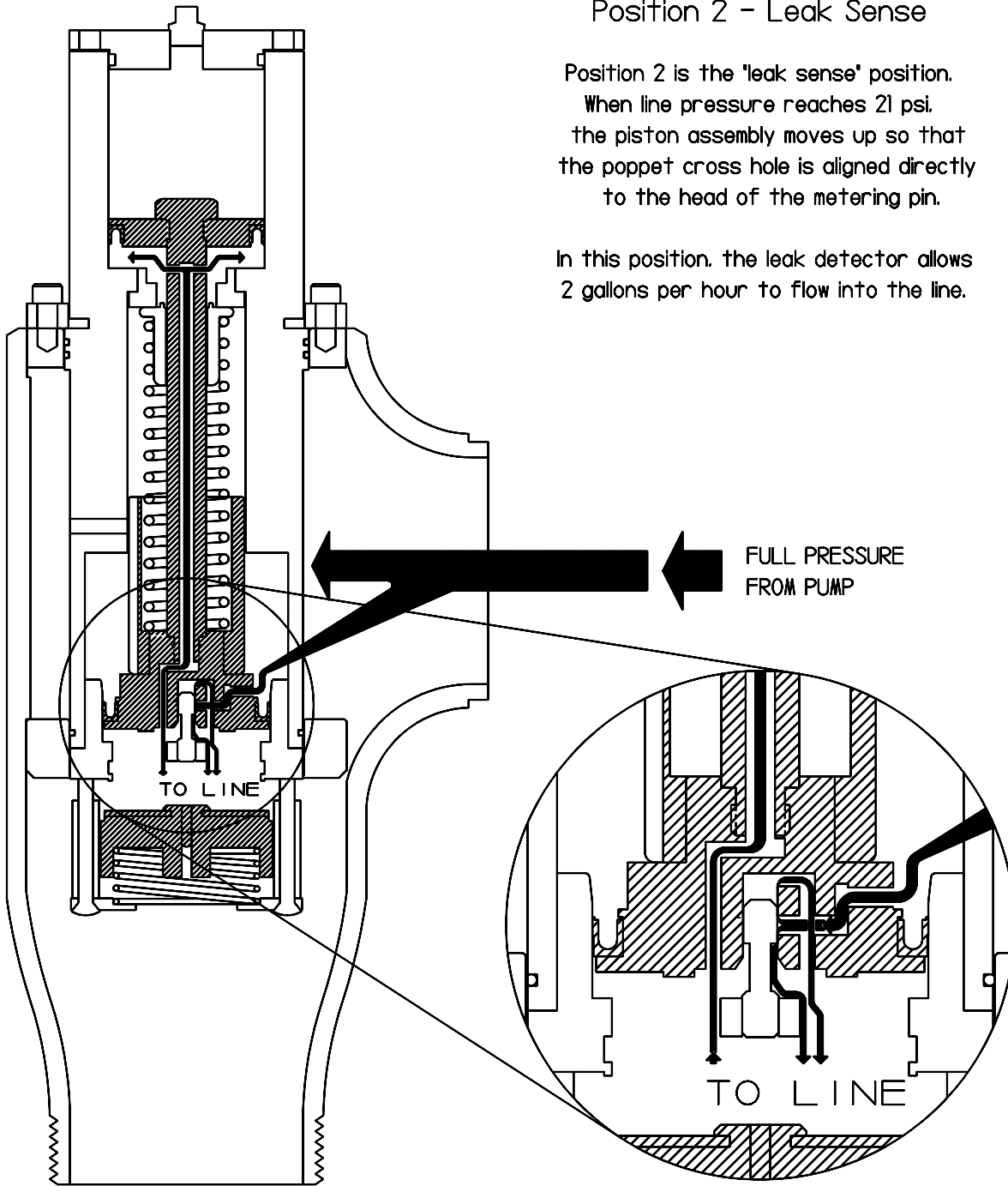


VMI 99 LD3000 HIGH CAPACITY LEAK DETECTOR

Position 2 - Leak Sense

Position 2 is the 'leak sense' position.
When line pressure reaches 21 psi,
the piston assembly moves up so that
the poppet cross hole is aligned directly
to the head of the metering pin.

In this position, the leak detector allows
2 gallons per hour to flow into the line.



Vmi 99 LD3000 HIGH CAPACITY LEAK DETECTOR

Position 3 - Full Flow

Position 3 is the 'full flow' position. When the line pressure reaches 24 psi, the piston assembly is forced to the full open position, allowing full pump pressure to flow through the leak detector into the line.

