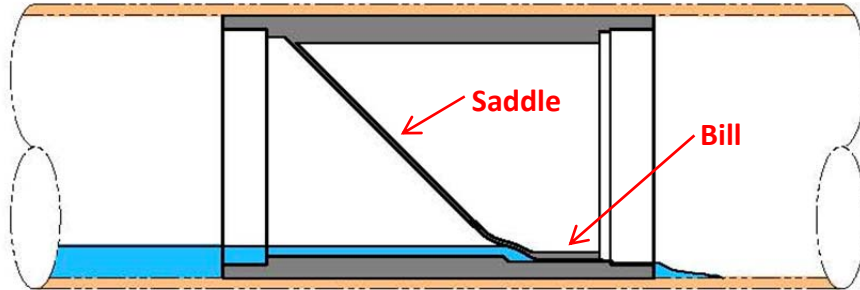
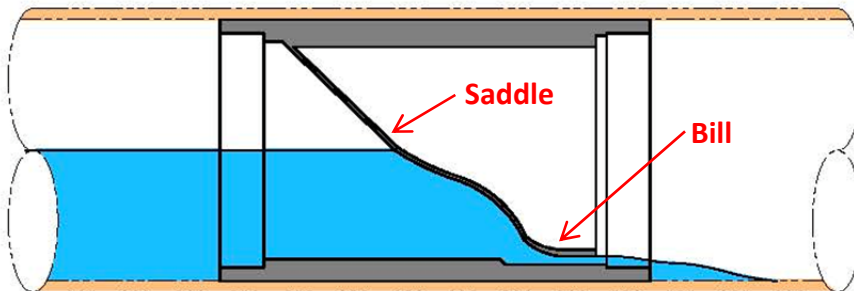


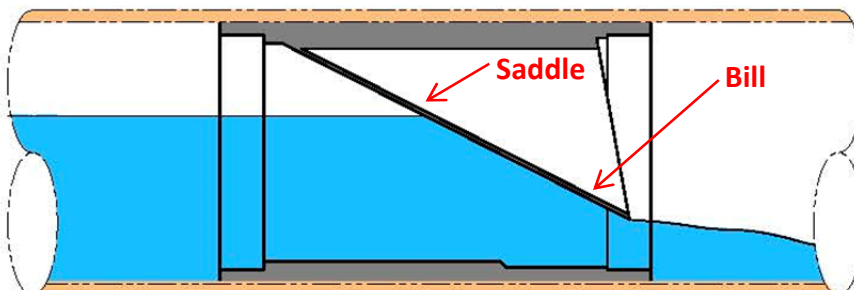
CheckMate Valve Snap Pressure



At low upstream head, there is little deflection in the saddle and bill but the Checkmate is still able to flow and drain.



As upstream head continues to increase, there is more deflection in the saddle, but the bill has not yet "snapped" open to a concave shape.



When the upstream head reaches 50%-75% of valve size (for example 8" head in a 12" valve), the bill "snaps" open into a concave shape and there will be substantially more flow with the same amount of head.