



Presents

INNOVATIONS IN AUTOMATIC FLUSHING

The Revolutionary BRV[®] Mechanism of the HYBRIDFLUSH[®]



Most commercial style manual flush valve designs have been around for over 100 years and have proven to be reliable over time.

Battery-powered automatic flush valves have been around for just a few years and lack the reliability of a manual. The reason is that most automatic flush valve systems were designed with unreliable mechanisms.

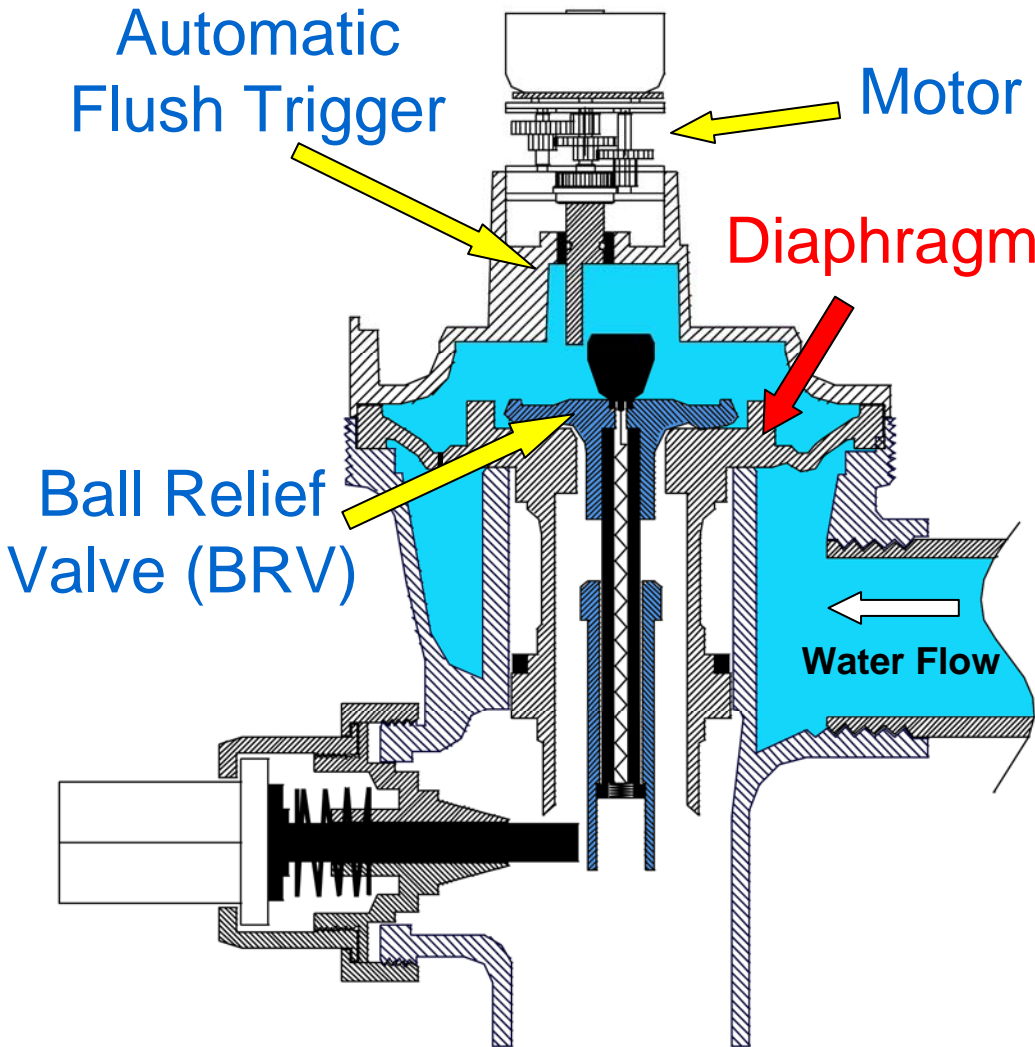
Most automatic flush valves on the market today use a solenoid as the flush triggering mechanism. A solenoid is an electro-magnetic part that eventually wears out and has to be replaced. A failing solenoid causes “out of order” signs becoming very problematic and can cause huge maintenance headaches and increase maintenance costs.

Battery-powered automatic flush valves are just that- battery powered- so if the batteries fail or die at any given moment, there is no alternate way to bypass the automatic flushing mechanism. No manual backup flushing is possible so the fixture becomes “out of order”.

The HYBRIDFLUSH® is a revolution in battery-powered automatic flush valve designs. It not only uses a gear-motor drive instead of a solenoid but the design of the mechanism is similar to that of a traditional manual flush valve thus allowing for a true “mechanical” backup flush option by way of the flush handle or push button. The following describes the operation of the BRV® mechanism inside the HYBRIDFLUSH®.

HYBRIDFLUSH[®]

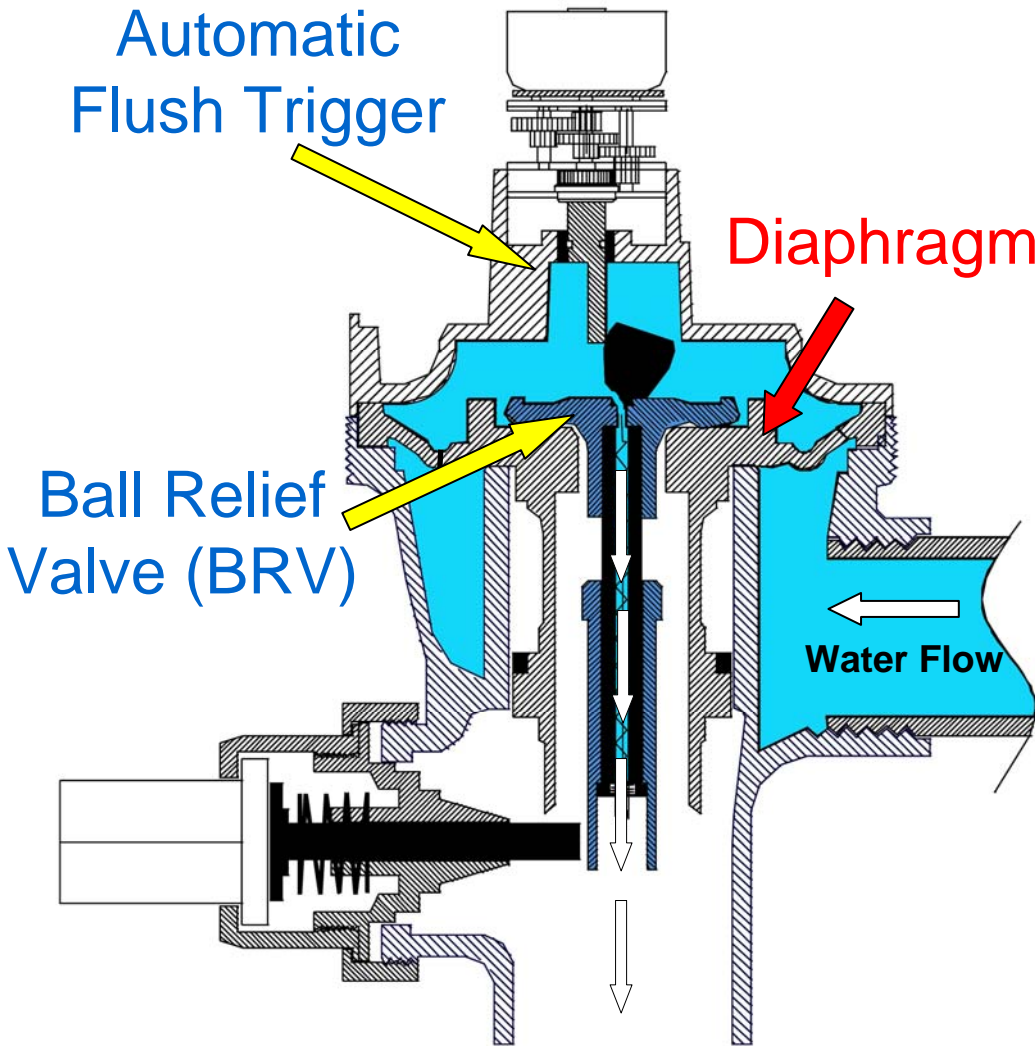
Automatic Flush Mechanism



Flush is off.

HYBRIDFLUSH®

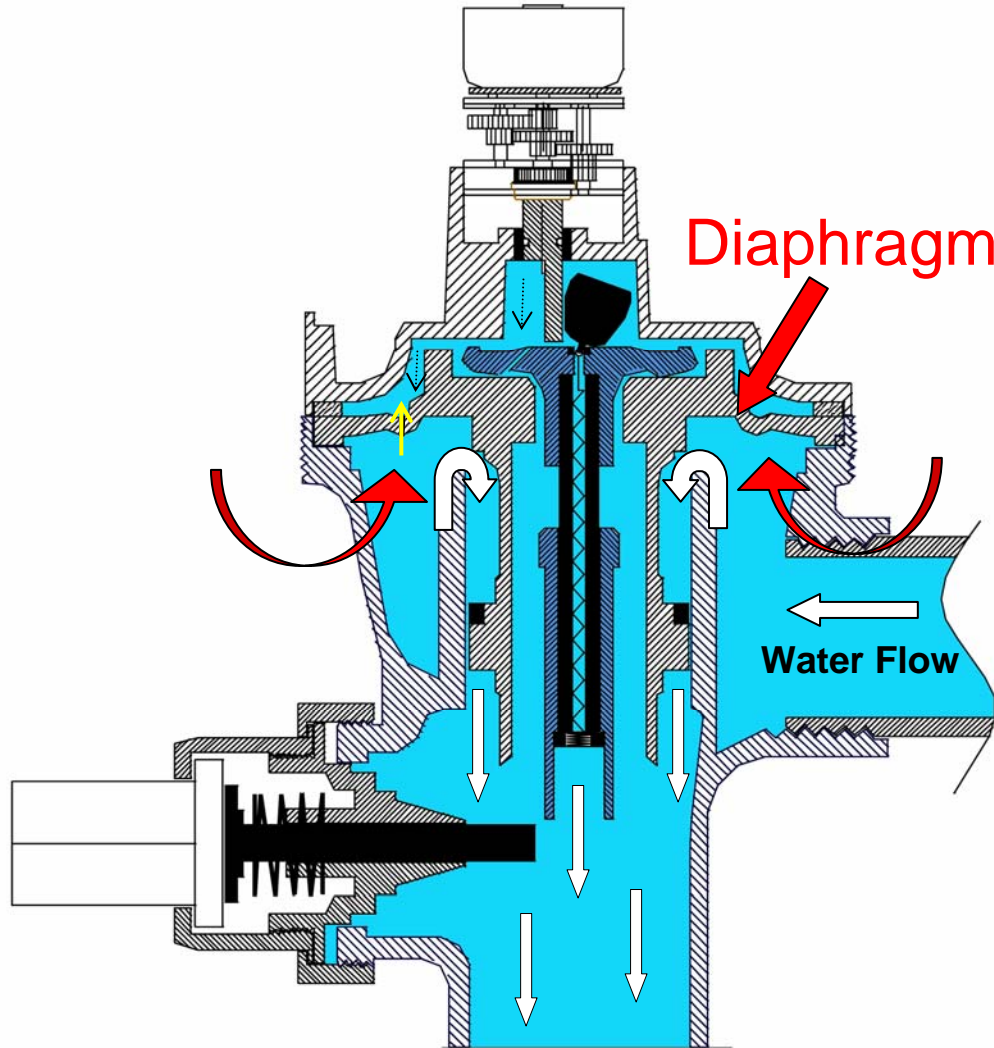
Automatic Flush Mechanism



Automatic flush trigger is activated and pressure is released through the center of ball relief valve (BRV).

HYBRIDFLUSH®

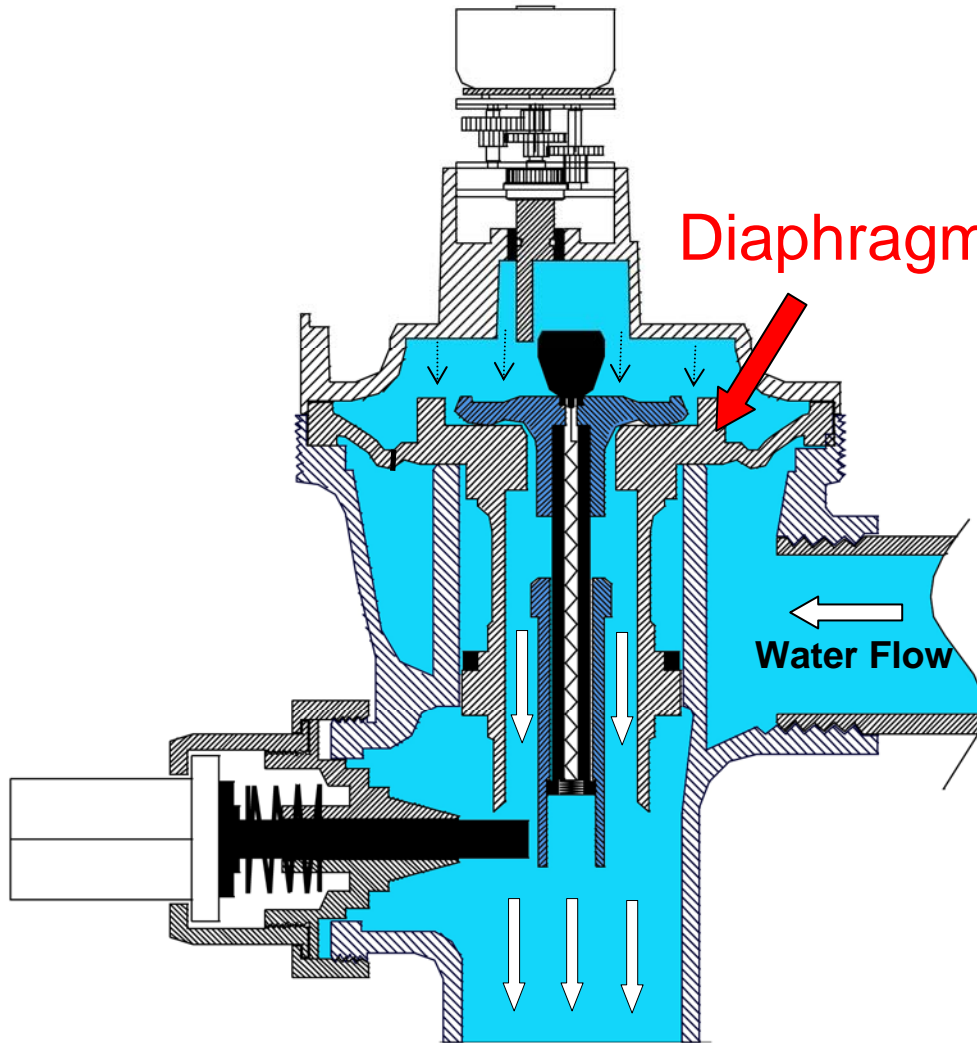
Automatic Flush Mechanism



Diaphragm is pushed upward and water flushes down the outlet bore as diaphragm fills up again on top.

HYBRIDFLUSH®

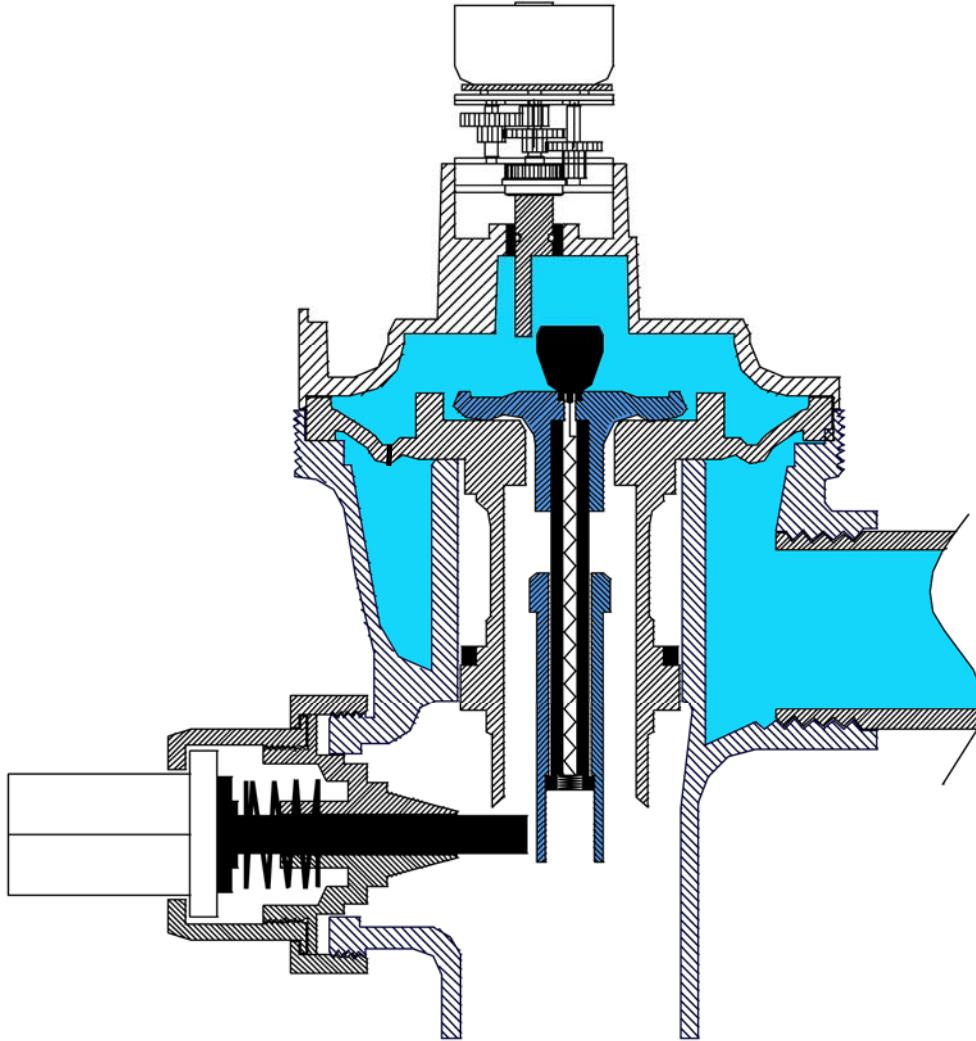
Automatic Flush Mechanism



Top pressure pushes down the diaphragm to seal and left over water flushes downward.

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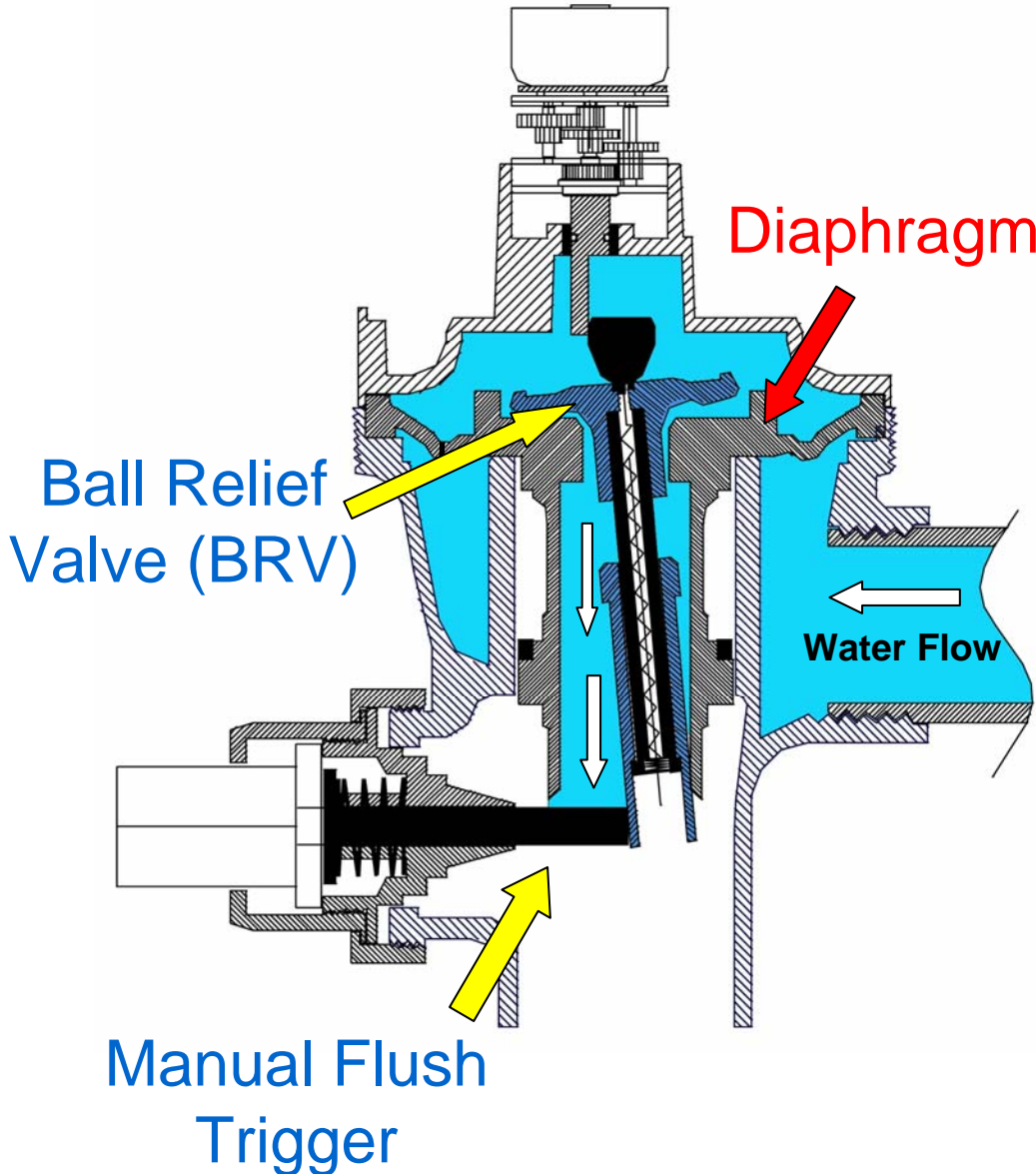
Automatic Flush Mechanism



Flush is
complete and
ready for next
use.

HYBRIDFLUSH®

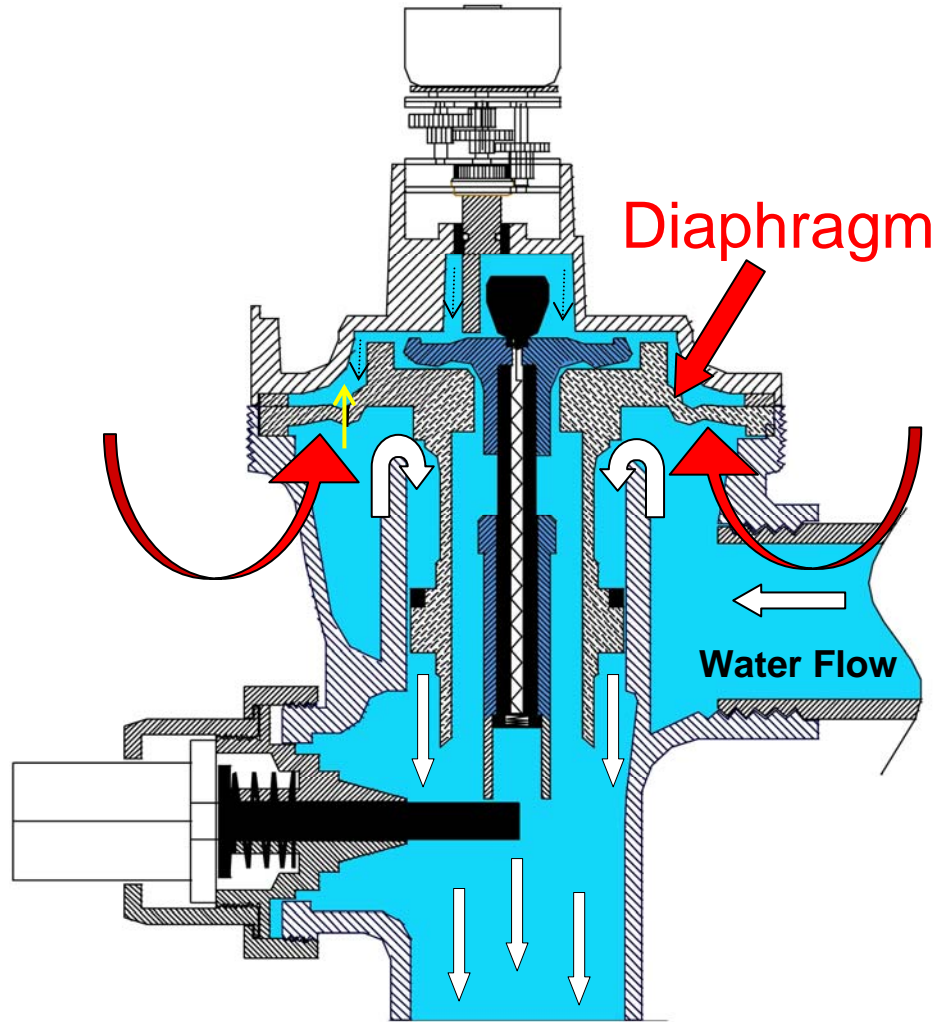
Manual Flush Mechanism



Manual flush trigger is activated and pressure is released through the side of ball relief valve (BRV).

HYBRIDFLUSH®

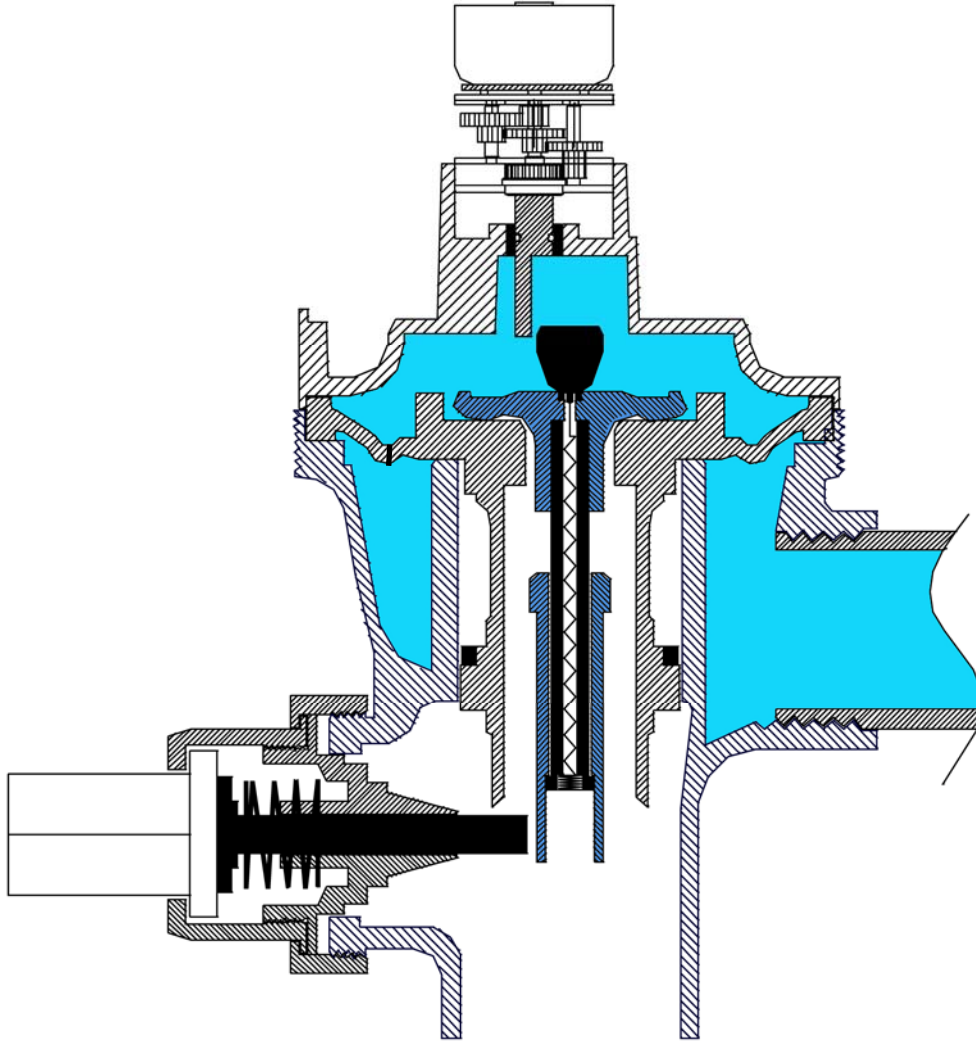
Manual Flush Mechanism



Diaphragm is pushed upward and water flushes down the outlet bore as diaphragm fills up again on top.

HYBRIDFLUSH®

Manual Flush Mechanism



Flush is
complete and
ready for next
use.

The HYBRIDFLUSH®

For more information on the HYBRIDFLUSH® or other products manufactured by AMTC please visit our website at www.amtcorporation.com or call toll free 800-874-7822.



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