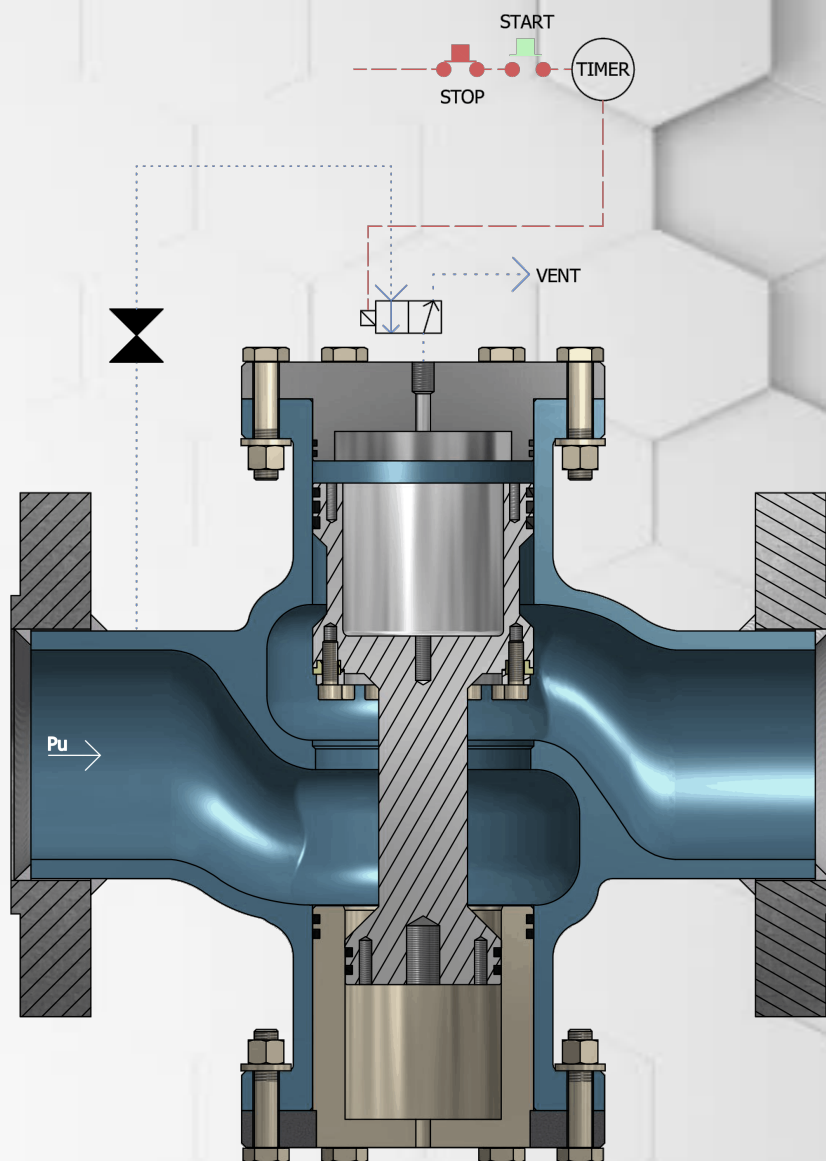


Hydrocore Limited Presents

Hydrocore™ Symmetrical Timer Operated Valve



Hydrocore™ Symmetrical Timer Operated Valve



APPLICATION

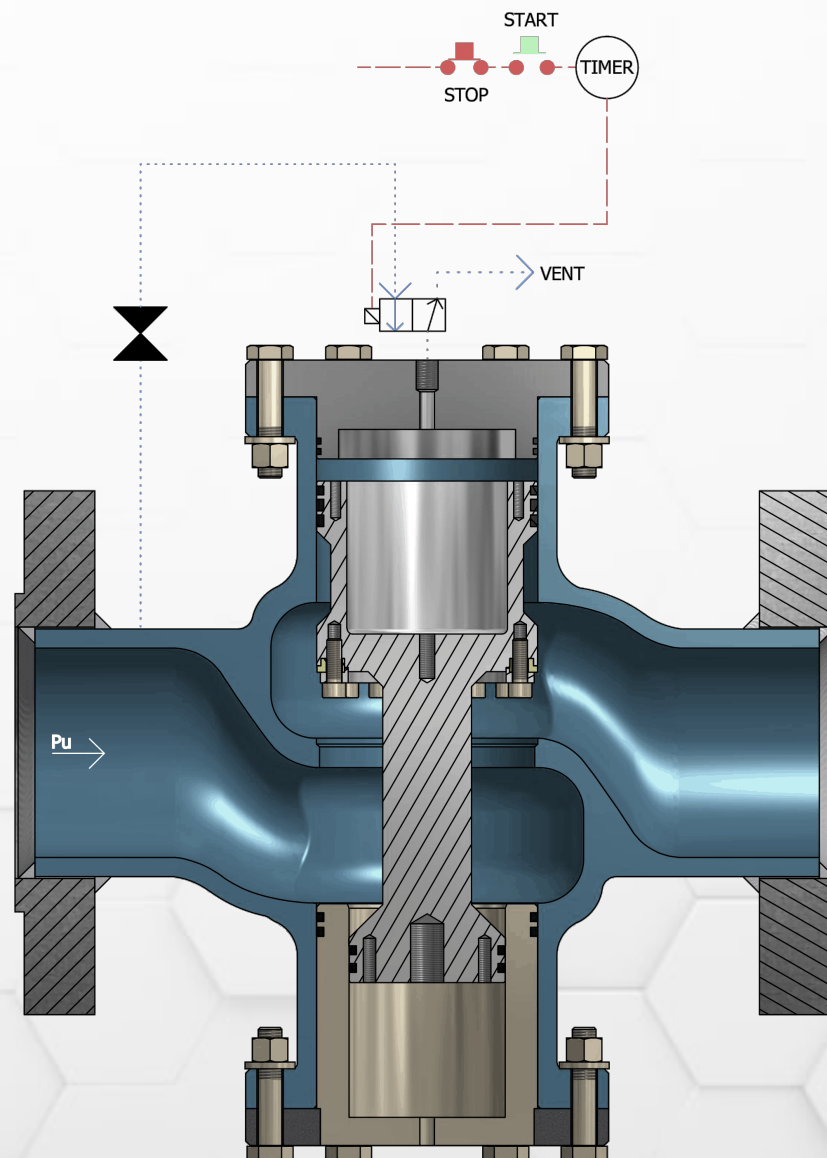
The Hydrocore™ timer operated valve opens or closes the water and compressed air lines to allow for mining operations to resume, on a predetermined weekly timing schedule. The valve can be actuated by various means: hydraulically, pneumatically or electrically.

SAVING

The implementation of the timer activated valves has a three month payback period when applied as air/water isolating valves in the gold and platinum mining industries.

PREVENTING MUD RUSH

Automatic isolation of the water lines in the workings prevents the occurrence of mud rush in the ore-passes, which is typical to pipe bursts during blast shifts or off-mining shifts.



PRINCIPLES OF OPERATION

The control system consists of two timer switches, operating as follows:

START - Within Normal Shift

Pressing the START button causes both valves to open from this moment to the end of the shift as programmed by timer T1.

START - Out of Normal Shift

Pressing the START button causes both valves to open from this moment to a fixed duration as pre-programmed by timer T2.

STOP - At any time

Pressing the STOP button causes both valves to close at any time.