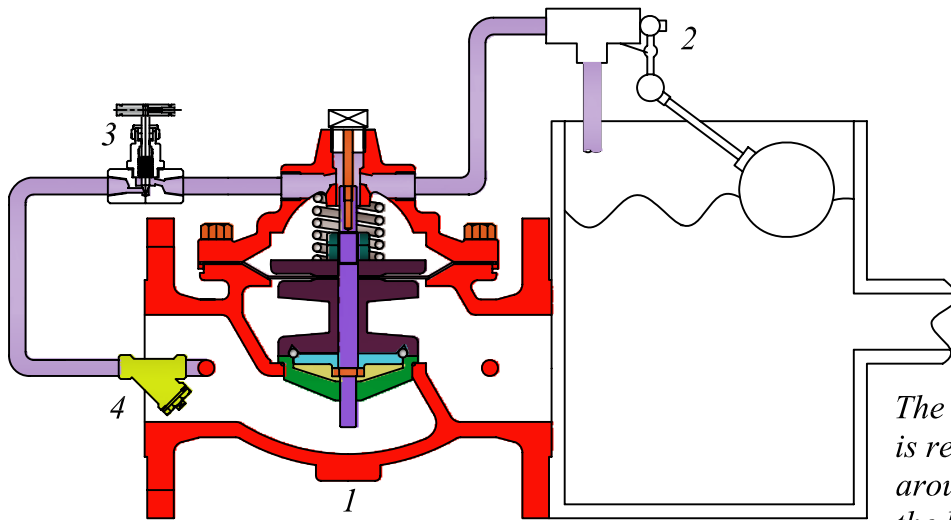


# MODULATING-FLOAT VALVE

**SERIES NO:- 501**



The modulating float control ACV 501, is remote mounted. A stilling well around the float should be installed if the liquid surface is subject to turbulence, ripples or wind.

## VALVE FUNCTION

- Maintains a constant liquid level in a tank.
- Remote mounted pilot is sensitive to slight changes in level and controls main valve:  
Opens when level drops  
Closes when level rises

The ACV 501 maintains a constant level in storage tanks and reservoirs. Valve controlled flow into the tank is proportional to discharge flow, keeping the tank full.

## POINTS TO CONSIDER

- Minimum differential pressure 5 psig
- Refer to table for maximum flow
- Inlet pressure vs. tank head pressure
- Pressure drop at required flow  
Refer to Engineering Data  
Pressure Drop Chart
- If valve size required is smaller than line size, consider ACV 6110-10.  
Consult Watts ACV representative/factory

## QUICK SIZING:

Valve size same as fill line or one size smaller if discharge line is smaller than fill. Match size/capacity to discharge requirements.

## COMPONENTS

1. Main Valve
2. Modulating Float Control
3. Adj. Closing Speed
4. 'Y' Strainer

## ACCESSORIES

- Isolation Cocks
- Flo-Clean Strainer  
LOCATED AS INDICATED
- Y - Strainer
- Limit Switch  
INCLUDED AS MARKED
- Position Indicator

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