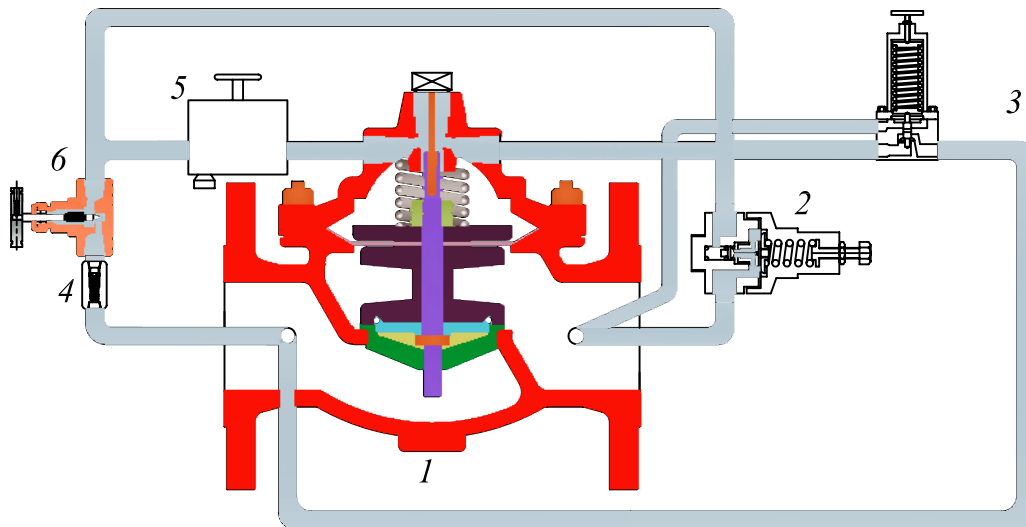


PRESSURE REDUCING/SURGE

SERIES NO:- 305



ADJUSTMENT RANGE REDUCING /SURGE

Standard: 20-175 psig

Optional: 0-30 psig

100-300 psig
(stainless steel control)

VALVE FUNCTION

- Reduces higher inlet pressure to constant lower, outlet pressure (adjustable)
- Closes quickly when outlet exceeds set point of surge control (adjustable)

Automatically reduces a higher inlet pressure to a constant lower outlet pressure regardless of changing flow rate and/or varying inlet pressure. Should flow rate decrease rapidly a pressure controlled surge pilot closes the valve to prevent downstream pressure build up. Excellent in dead-end systems and/or systems using high demand, on-off equipment.

Additional combinations:

303 Reducing/Surge/Sustaining
303-01 Reducing/Surge/Check

QUICK SIZING:

Valve size one size smaller than line.

POINTS TO CONSIDER

- See Engineering Data
 - Pressure Reducing Sizing
 - Check maximum and minimum flow
 - Check pressure drop
 - pressure reducing valves or cavitation chart
 - If valve size required is smaller than line size, consider ACV 303
- Consult NU-TECH ACV representative/factory

COMPONENTS

1. Main Valve
2. Pressure Reducing Control
3. Surge Control
4. Fixed Orifice
5. Adj. Opening Speed (3" and Smaller)
6. Adj. Closing Speed

ACCESSORIES

LOCATED AS INDICATED

- Isolation Cocks
- INCLUDED AS MARKED
- Y-Strainer
 - Limit Switch
 - Flo-Clean Strainer
 - Position Indicator
 - Adjustable Closing Speed

Nutech Valves

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