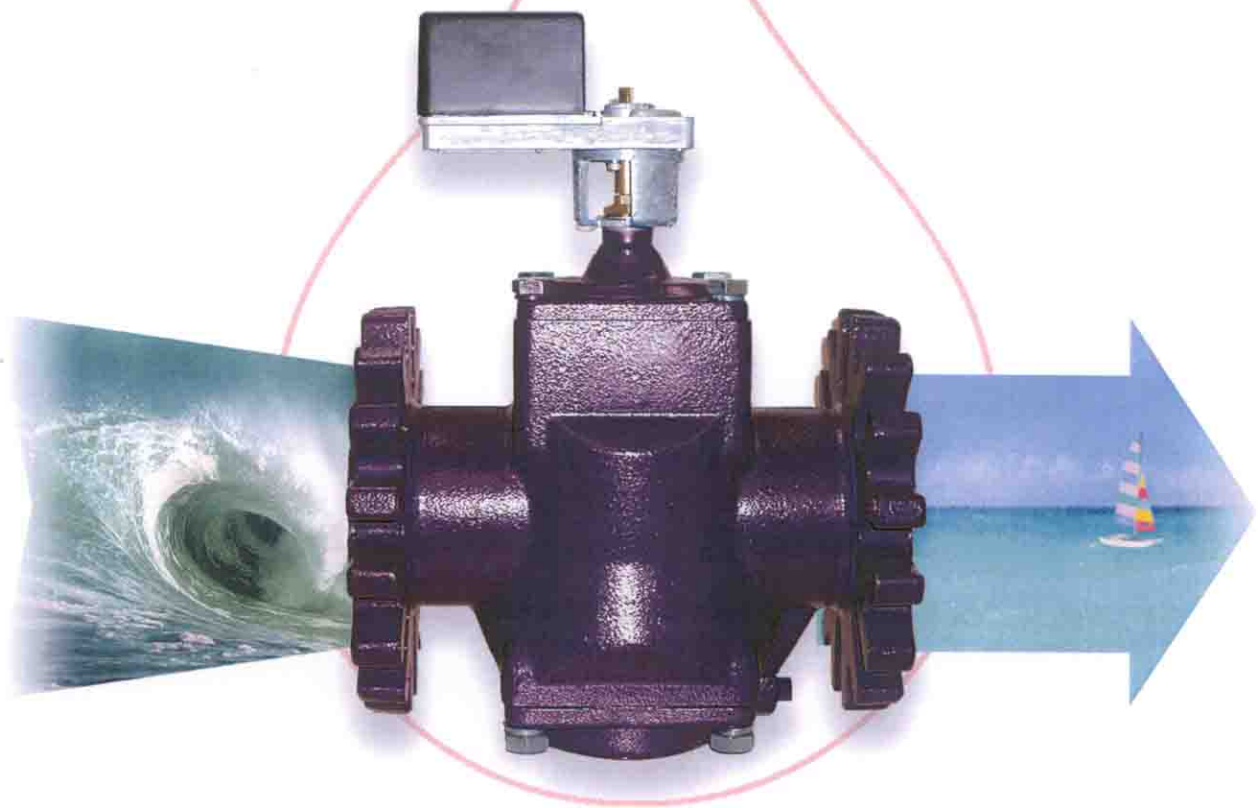


neptronic[®]

Finally...
pressure independent variable
water volume control valves!



life is a breeze!
with our dynamic balancing pressure
independent temperature control valves!

See us on the web at www.neptronic.com

1) Select your valve using GPM to match the flow of the coil. CV calculations are no longer necessary.

2) Automatic balancing and variable pressure independent flow control all in one device. No more balancing valves required

3) 100% valve authority is a standard feature of the GP valve. The full control signal is utilized to control flow to the coil.

4) The valves modulate to meet the temperature requirement and flows are not affected by fluctuations in upstream pressures. This result is a far more stable system.

5) Never overflow or starve your coils.

6) Each valve size is capable of 51 different maximum flow settings, dipswitch selectable so that the valve can be easily field adjusted to match a new load.

7) Your system need not be rebalanced with the addition of new systems as long as there is enough pump pressure and flow.

8) A digital readout at the valve will read the full flow setting of the valve and the operating flow through the valve at any time.

9) A 4-20mA feedback signal from the valve operator can be scaled to flow such that the flow of the valve can be read in GPM by the BMS system at all times.

10) The turn down ratio is at least 100-1 or better depending upon the maximum valve setting.

11) The bronze valve bodies from ½" to 1 ½" are pressure rated to 360 PSI

12) The ductile iron flanged valves from 2" to 6" are pressure rated to 580 PSI and can accommodate 125 or 250 pound flanges.

13) Close off pressure is 101 PSI from ½" to 6"

14) Fluid temperature ranges from -4 to +248 degrees F.

15) Control signal hysteresis only 50 millivolts.

16) Valve trim is stainless steel and the pressure compensating diaphragm is hydrogenated acrylonitrile butadiene rubber.

17) Pressure taps with Pete's plugs are supplied standard with all valves.

18) Fixed low pressure drop across the control trim results in accurate flow control from full open to shut-off.

19) Low differential pressure across the control trim results in less wear on both the valve and actuator.

20) The GP valves are easy to service (should this ever be required) without removing the valve from the piping. The working components of the valve can be accessed from both the top and bottom.



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