
Mounting options for Wanner Hydra-Cell C20 and C60 Series Pressure Regulating valves.

Inline mounting option (figure 1):

In this orientation as seen in figure. 1, the valve is mounted directly in the discharge pipeline with the entire system flow passing through the valve at all times; should an overpressure situation be encountered the valve plunger will lift and discharge full system flow to bypass.

This is the accepted mounting arrangement for the C series valve installation but consideration should be given to the following conditions:

- When pumping particularly abrasive fluids.
- Pumping recycled dirty fluids.

If either of these conditions are met, we would recommend mounting the valve offline as in figure. 2

Offline Mounting option (figure 2):

Mounting in this orientation has the benefit that the internal valve components are subjected to static system pressure only and not continuous full system flow, should an overpressure situation be encountered the valve plunger will lift and discharge full system flow to bypass.

This mounting orientation reduces the amount of abrasive wear the valve components are subjected to when compared with the inline method of mounting.

Abrasive applications

- We would highly recommend installing C60 series valves rather than the C20 series in abrasive or dirty application as they feature a seal less diaphragm design which makes them ideal for use with dirty or abrasive applications.



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Figure 1:

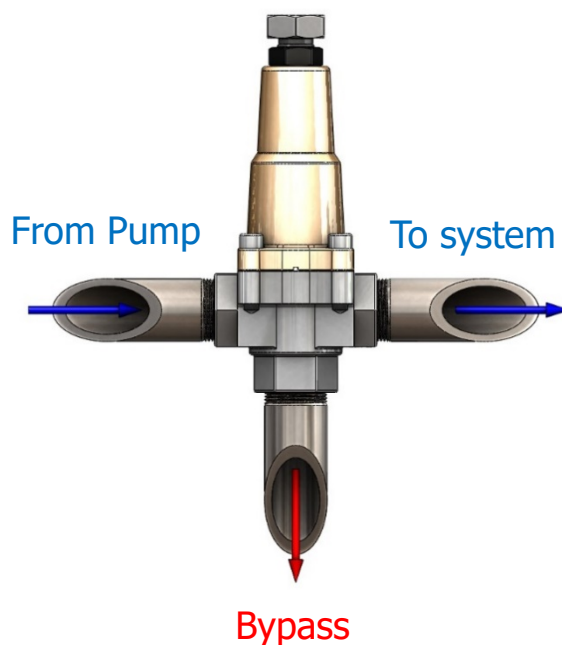
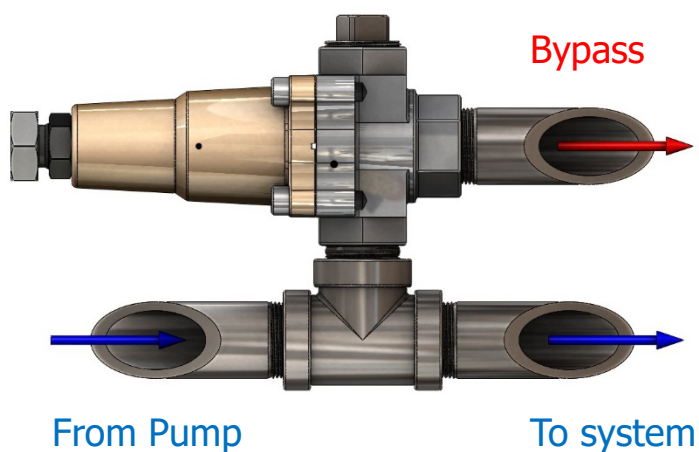


Figure 2:



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