

Flow-Actuated k-7 unloader issues

most Flow-Actuated unloaders are flow-sensitive in pressure-mode
AND in bypass mode as separate functions.

If it fluctuates in Bypass mode..
the orifice size AND the restrictions against the bypassing water are critical.

When it fluctuates with the gun OPEN..
the outlet **orifice**, the outlet **Nipple**,
and your nozzle size, and hose length, and every other "flow-restriction" in between..
..are ALL critical.

If you are simply replacing an unloader with a new one of the same model..
use the old orifices, and you are less likely to have issues.

If you do have issues..
look for flow restrictions.

If it **fluctuates in bypass**..

squeeze the bypass hose with a pair of pliers to see if the fluctuation stops or slows..
that means you need a smaller bypass orifice to "hold it in bypass".
Sometimes when the recommended bypass orifice is plumbed to dump effortlessly to a holding
tank,
instead of bypassing back to the inlet side of the pump..
there's not enough back-pressure to "hold" the unloader in bypass mode.

..and if you want to be able to "reduce flow" ..
like when using a 21" vacuuming surface cleaner on an interior job.. at 6gpm..
using a #2 outlet orifice under the #3 outlet nipple should be fine,
..and function properly with full flow OR reduced..
best of both worlds.
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If you're still having issues.. call me..
we understand these unloaders thoroughly.