

Option-D

0 -250 psi Secondary Discharge Regulator

This booster option adds a secondary discharge regulator and filter to the receiver tank.



Issue 1:

During operation the discharge line will experience pulsations of about ± 2 psi due to lag time between piston strokes. The pulsations may effect consistency of sensitive equipment down stream of the booster.

Solution 1:

When a secondary discharge regulator is installed on the receiver tank, the primary discharge regulator can be set to provide a higher pressure than required*. The secondary discharge regulator is set at the desired pressure, which results in a constant pressure output.

Issue 2:

During operation the discharge pressure will vary depending on the required demand. As demand increases the discharge pressure will decrease slightly and as demand decreases the discharge pressure will increase slightly.

Solution 2:

When a secondary discharge regulator is installed on the receiver tank, the primary discharge regulator can be set to provide a higher pressure than required*. The secondary discharge regulator is set at the desired pressure, which results in a constant pressure output.

Issue 3:

For intermittent applications extra air storage in the tank provides additional flow for spikes in demand.

Solution 3:

When a secondary discharge regulator is installed on the receiver tank, the primary discharge regulator can be set to provide the maximum discharge pressure inside the tank*. The secondary discharge regulator is set at the desired pressure, which results in increased storage capacity while maintaining the desired discharge pressure.

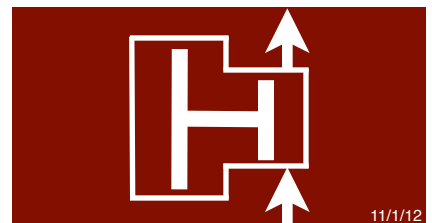
* Consult the product sticker and instruction manual for maximum pressure setting of the booster. Please note that if the maximum discharge pressure is higher than the maximum pressure rating of downstream components a safety relief valve will need to be installed between the booster and the components in case of regulator failure.

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