Build Health International

# Low Inlet Pressure Check

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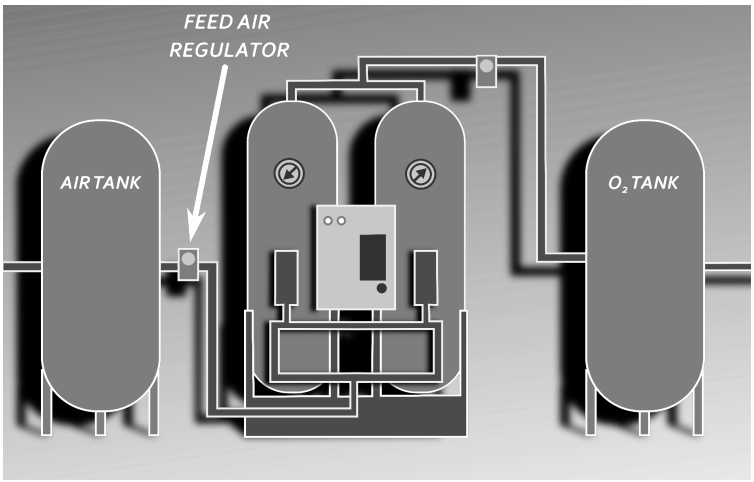


A feed air regulator, controls the pressure or flow of compressed air into the sieve beds. This regulator is generally a pressure regulator. The regulator prevents air from entering the sieve bed too quickly as well as preventing the sieve bed from over pressurizing. If the feed air regulator is set too low, there may be insufficient flow or pressure available for the sieve bed to produce high purity oxygen.

Manufacturers will usually specify the set point or adjustment procedure for the feed air regulator.(generally it is a pressure setpoint that is adjusted). The manufacturer will also specify a maximum pressure each sieve bed should hit during the cycle. A common symptom of the feed air regulator being adjusted too low is that the tank does not reach this maximum pressure.

Feed air regulators will always be upstream of the feed air valves, however, exactly where the regulators are housed will vary from machine to machine. As seen in the photos.

Flow controllers like valves may not be housed in different locations; but will be upstream of the feed air valves.


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