

# Lone Star Blower



Purge Systems for Gas Seals

## PURGING IS THE MOST RELIABLE LONG-TERM SOLUTION

- 100% process gas containment
- Prolongs the life of gas seals
- Automatic adjustment reduces seepage
- Optional filtration ensures purge quality
- Easy maintenance without shutting down
- Customizable for your application

## EXTEND SEAL LIFE FOR MANY YEARS

All dry gas seals leak and increase leakage over time. The best long-term solution is adding a positive pressure purge barrier ensuring 100% seal of the gas. Purge panels can also prolong the life of the seal by keeping it cool, clean and dry and do not have to rely on friction as a sealing method. Typical purge seepage into the process is minimal (less than 0.1 cfm).

Since dry instrument quality purge is not always available, we offer an optional dryer system down to a -40 degree dew point. Alternatively, we can add a nitrogen membrane dryer to ensure any seepage of purge gas to the process is 99% N<sub>2</sub>.

Lone Star incorporates a delta pressure regulator that makes the purge pressure only slightly higher than the blower pressure. This nearly eliminates seepage while maintaining 100% process containment. Lone Star purge systems can be fully mechanical or automated for remote alarm and monitoring.



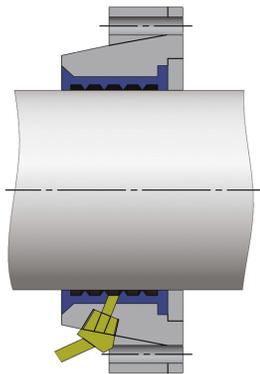
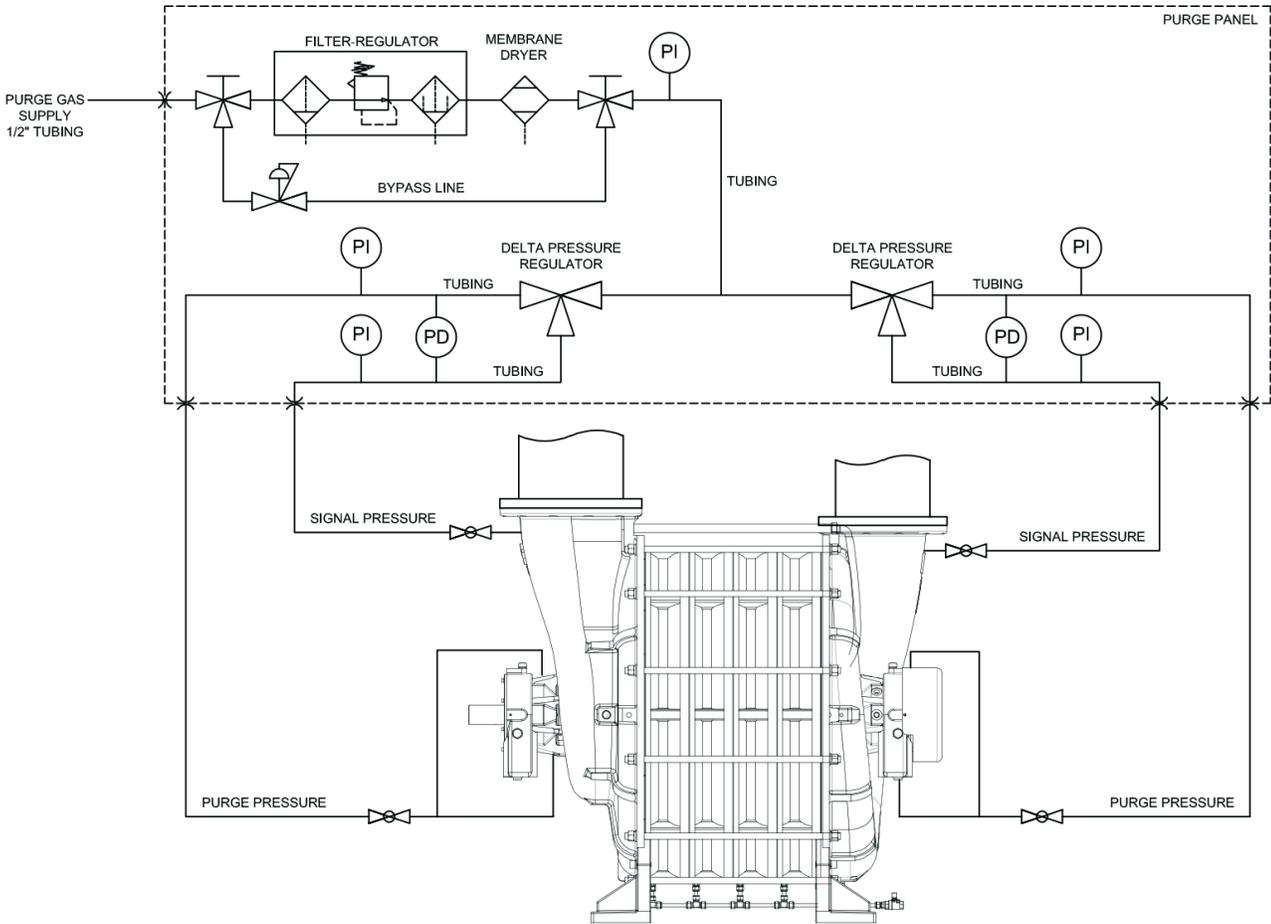
LONG LASTING  
POWDER-COATED FRAMEWORK  
WITH STAINLESS STEEL  
CONTROL PANEL SHOWN

**ASK US TO PRE-INSTALL  
A CUSTOMIZED PURGE SYSTEM ON YOUR  
NEXT LONE STAR GAS BLOWER**

We can also retrofit your existing installation. Give us a call.

# DELTA PRESSURE REGULATION SAVES ENERGY

Maintaining the seal purge pressure just above the process pressure, and automatically adjusting for fluctuations, allows for minimal seepage into the process and therefore less purge gas is consumed.

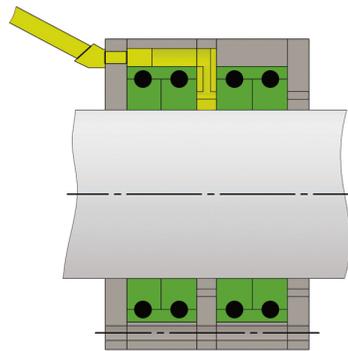


LABYRINTH SEAL ARRANGEMENT

### PURGE CONNECTIONS

DOUBLE CARBON AND LABYRINTH TYPE SEAL ARRANGEMENTS SHOWN.

OTHER TYPES ARE AVAILABLE.



DOUBLE CARBON MECHANICAL SEAL ARRANGEMENT



## LONE STAR BLOWER

+1 832 532 3112  
 +1 832 532 3115 Fax  
 info@lonestarblower.com  
 www.lonestarblower.com