

Benefits of Flow Control

- Stable pressure in the plant will provide stable operation of production equipment, increasing quality control.
- The capability to meet short-term peaks of two or three times the current capacity could be added by simply adding more storage volume. Storage tanks are very inexpensive to purchase and maintain compared to additional compressors.
- If the storage volume is installed between the dryer and flow control, surges are handled by storage downstream of the dryer, surges are handled by storage downstream of the dryer, and the flow rate through the dryer is relatively constant. This results in a more stable pressure dew point and less contamination.
- Once pressure is stabilized, the set-point for plant distribution pressure can be lowered to the optimum value.