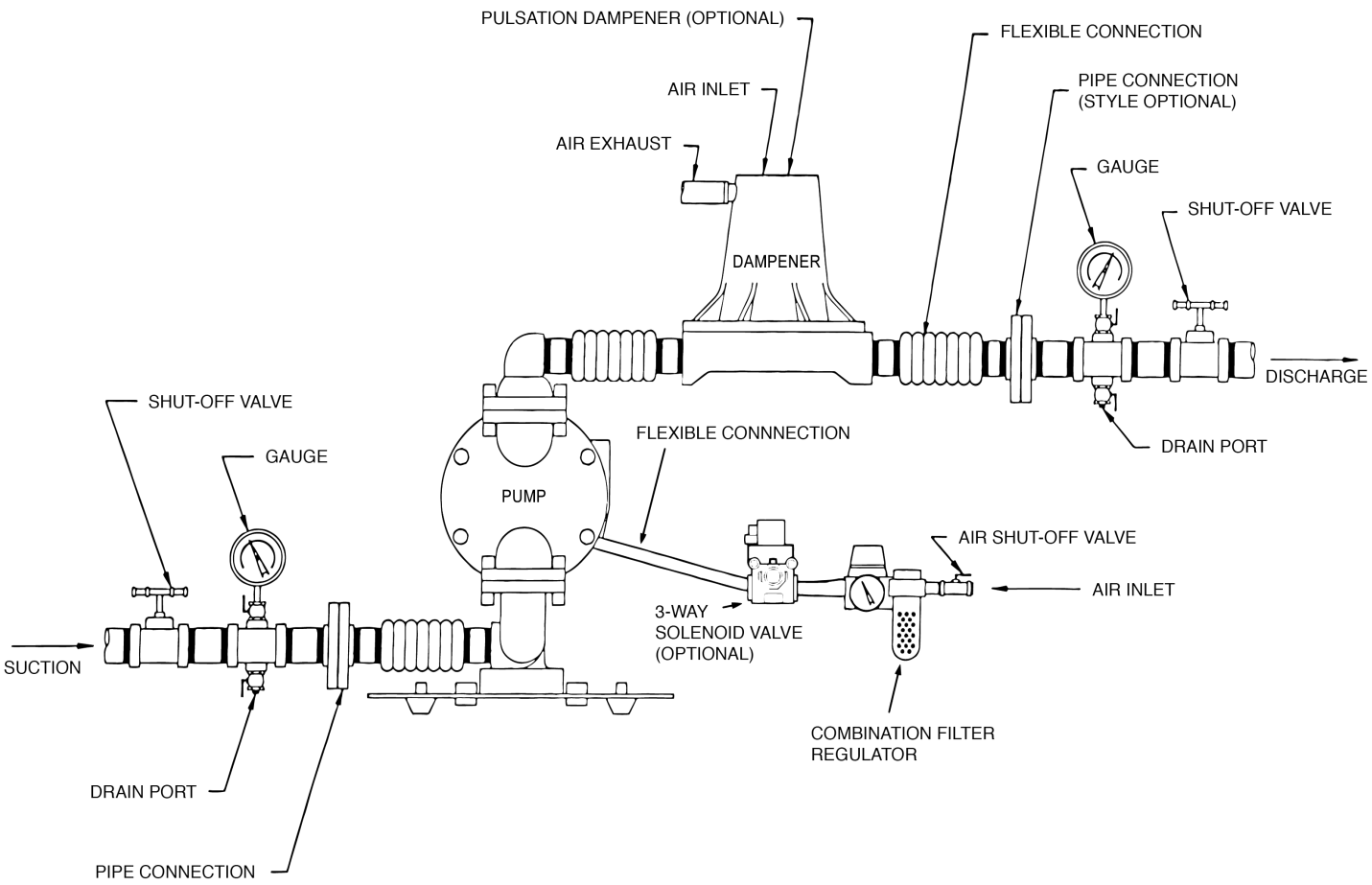
AIR OPERATED DOUBLE DIAPHRAGM PUMP INSTALLATION

INSTALLATION DIAGRAM



The above diagram is a comprehensive look at a complete installation. No expense has been spared in making sure this application puts the equipment in a position to last a long time and is easy to work on when it finally does need maintenance.

- Flexible Connections: Required for diaphragm pumps due to the kinetic energy they put off into the piping during normal operation. They can be hard piped; however, this isn't necessarily recommended.
- 3-Way Solenoid: Now when turned off, the air is vented off through the solenoid instead of through the pump, providing far more reliable pump startups.
- Gauges: Are an excellent source of information when trying to identify system upsets or issues.
- Dampener: To help remove some of the pressure spikes created during normal operation, in turn helping not only the life of the diaphragm, but also wearable components, like check balls.
- Shut-Off Valve: Without the valves, it could be very difficult to remove for maintenance. It is also important to close off the suction source when the diaphragm fails so one doesn't drain the source tank through the exhaust of the pump.
- Filter Regulator: The cleaner and dryer the air you can supply to a Yamada pump, the better and longer it will run between scheduled maintenance periods.