PID guide

Updates to previous version

- Removal of N2 manifold

Previous setup for the nitrogen gas tank for pressurizing the system was replaced with a quick disconnect, and the nitrogen gas tank will be considered as separate from the test stand. It will be a separate N2 tank that will be connected to the test stand using flexible tubing to the quick disconnect.

- Valves

Valves for upper fuel and LOX sections specified for designated required system pressures.

- Removal of igniter system

Igniter system was removed due to difficulties in machining the engine given to us. It is now a separate external system from the test stand. It is now replaced with three way fittings with caps in case of future integration of an internal igniter.

- Venturi meters

The venturi meters were moved to before the main fuel and LOX valve due to the need for room for the required entry length for the flow to fully develop.