



NOTICE



HyDefinition[®] HD3070

***Plasma Arc Cutting System
with MANUAL Gas Console***

HD3070 Manual Gas Console

**Revised operation instructions to
minimize flowmeter tube breakage**

Operation of the HD3070 Manual Gas Console

Hypertherm recommends the following procedures to minimize breakage of flowmeter tubes. These procedures will reduce the balls from slamming into the ends of the glass flowmeter tubes.

Daily Start-up

1. Position switch S1
2. Close all of the metering valves
3. Turn on the HD3070 power supply
4. At the gas source, **very slowly** open the gas supply valves

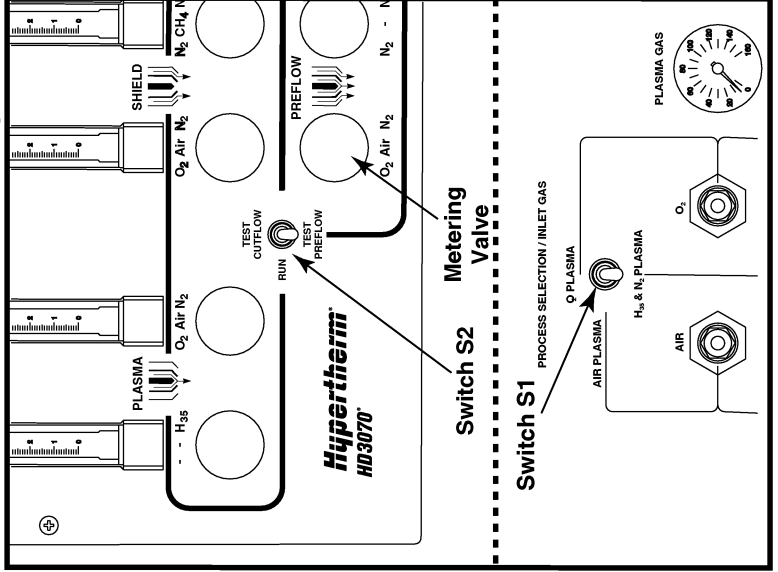
Changing Torch Consumables

1. Close all metering valves
2. Turn off the HD3070 power supply
3. Change torch consumables
4. Turn on the HD3070 power supply

Changing Process Gases

1. Close all metering valves
2. Turn off the HD3070 power supply
3. At the gas source, close the gas supply valves
4. Position switch S1 to the new setting
5. Turn on the HD3070 power supply
6. At the gas source, **very slowly** open the gas supply valves

Gas Console with 6 Metering Valves



- Position switch S2 to TEST PREFLOW
- Adjust the gases for test preflow (see cut charts)
- Position switch S2 to RUN; wait 2 seconds
- Position switch S2 to TEST CUTFLOW
- Adjust the gases for test cutflow (see cut charts)
- Position switch S2 to RUN
- Turn on the HD3070 power supply again

The system is now ready for operation.

Daily Shut-down

1. Turn off the HD3070 power supply
2. At the gas source, close the gas supply valves

Gas Console with 5 Metering Valves

