

Hypertherm[®]

**HyDefinition[®] Manual
Gas Console**

Flow Tube Check Valve

Kit: 128552

Field Service Bulletin
(P/N 803880)




Revision 0 August 2000

**Hypertherm, Inc.
Hanover, NH USA
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Flow Tube Check Valve Installation

			WARNING HIGH PRESSURE GAS CAN CAUSE INJURY
<p>Glass tubes will break if gas pressure is not properly removed. Disconnect all gas lines from gas console before performing any maintenance.</p> <p>All work must be performed by a Hypertherm Distributor or a qualified technician.</p> <p>Check all connections for leaks.</p>			



Purpose

This field service bulletin will enable a qualified technician to install check valves on the HyDefinition manual gas console to help prevent bottom breakage of the flow tubes.

Tools required

NOTE: Adjustable wrenches are not recommended for use with fittings.

- 3/4 inch wrench (2)
- 5/8 inch wrench (1)
- 9/16 inch wrench (1)
- 11/16 inch wrench (1)

128552 Flow Tube Check Valves Kit

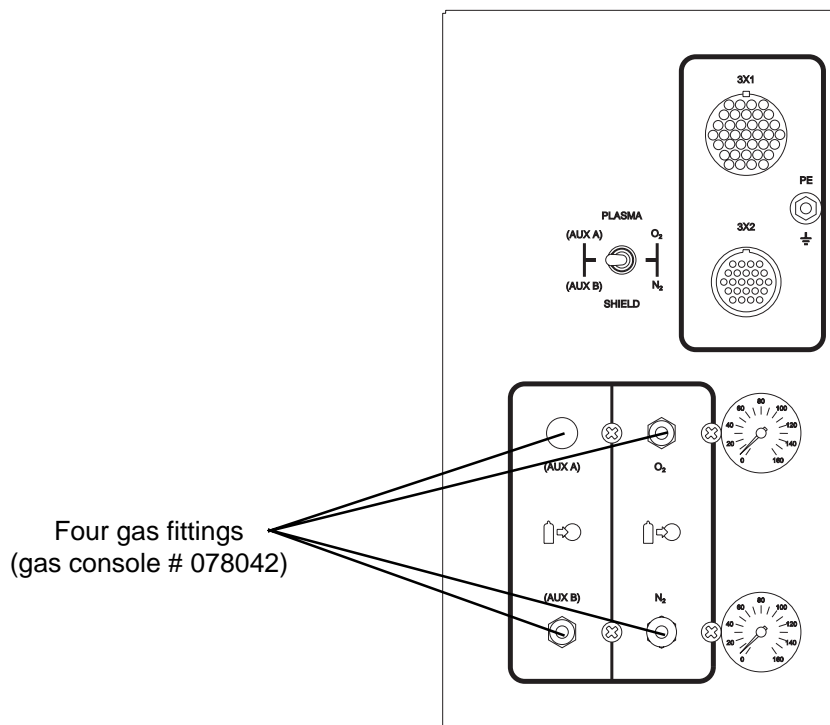
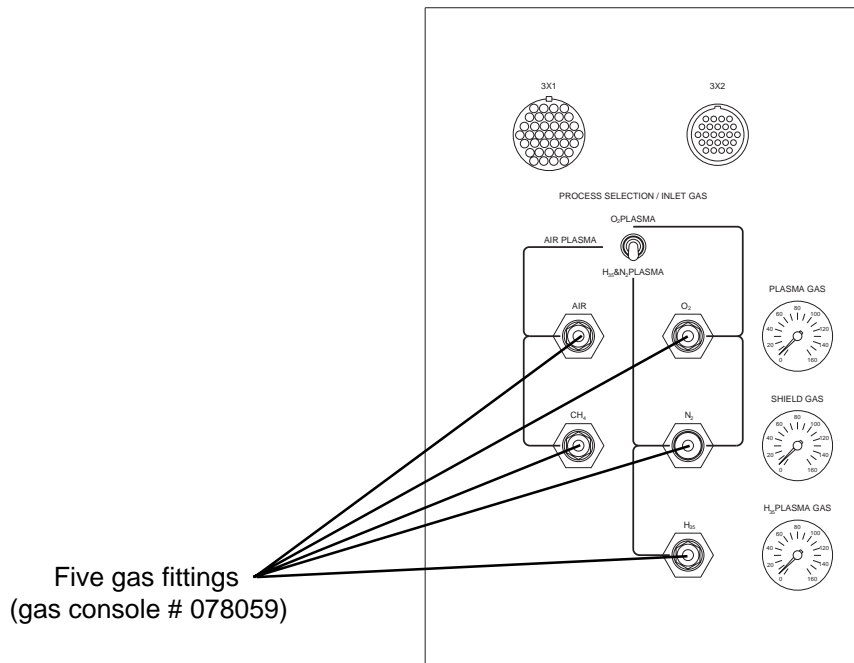
Kit Contents:

Part #	Description	Qty
129682	Check Valve Assembly	5

Flow Tube Check Valve Installation

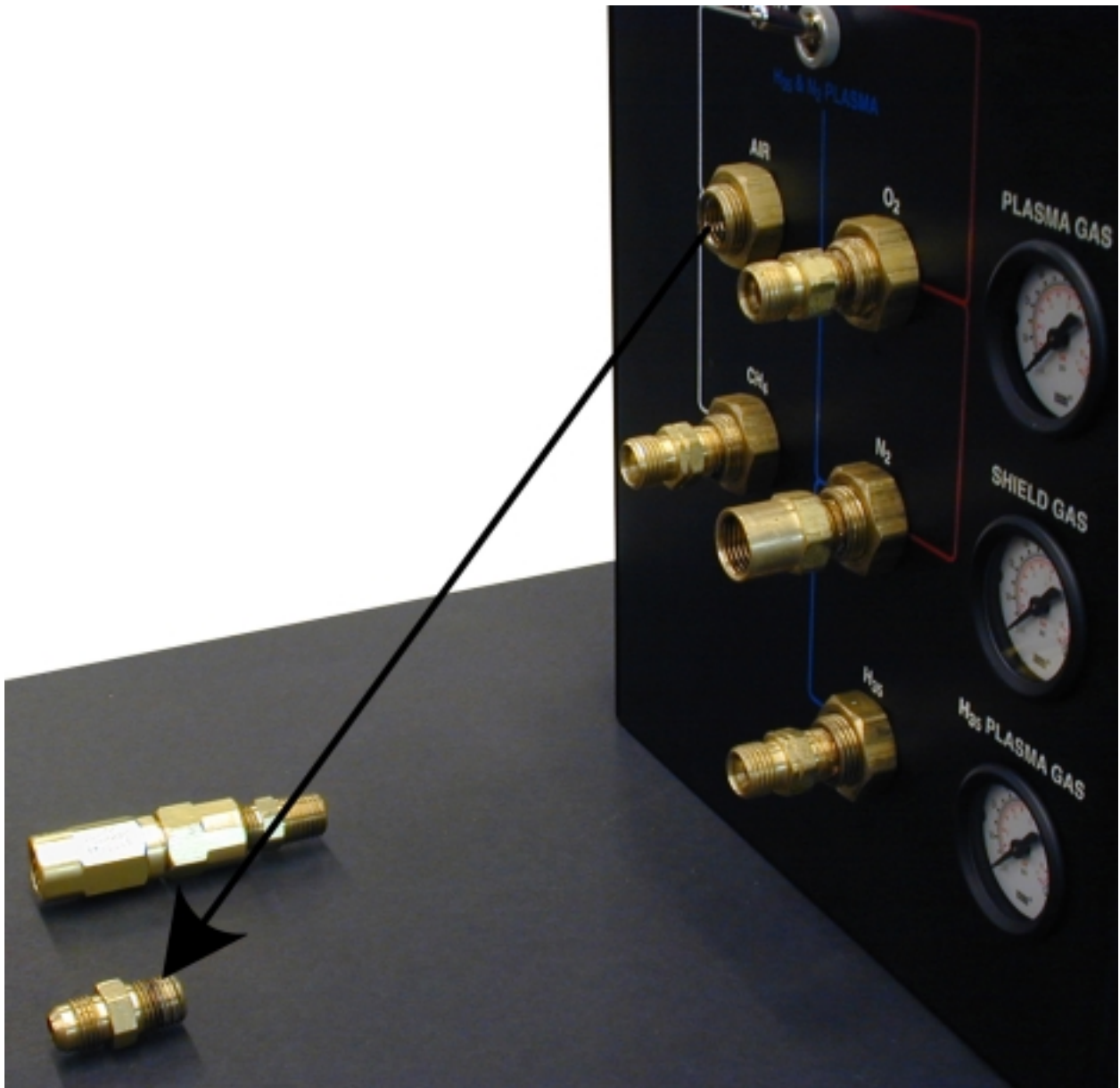
Step 1- Determine which gas console you have from the diagrams below. If your gas console only has four gas inlets, disregard the fifth check valve.

NOTE: Install check valves and fittings on all inlets, even those not hooked up to a gas supply.



Flow Tube Check Valve Installation

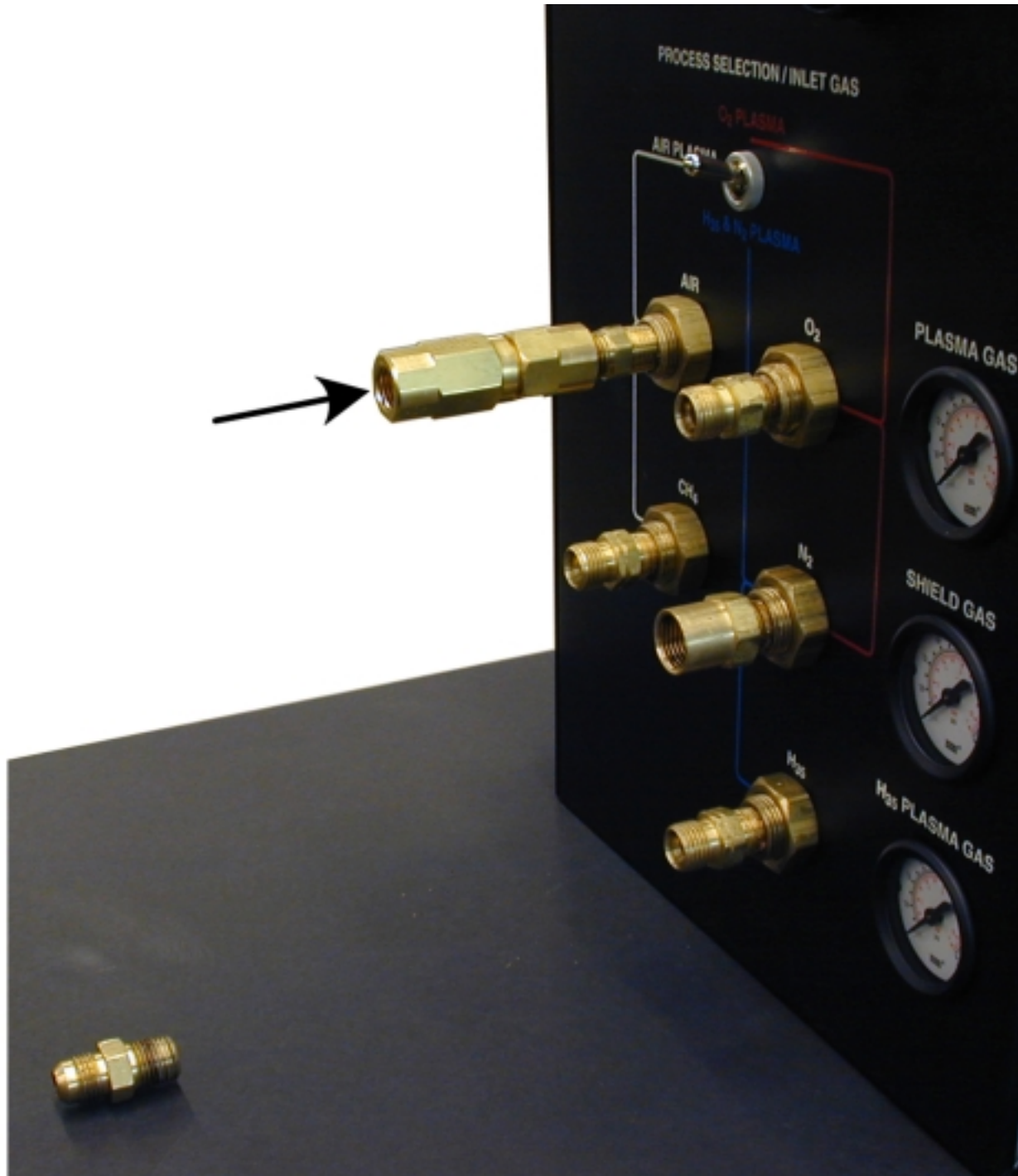
Step 2- Remove inlet gas fittings from gas console one at a time. Complete installation, steps 2-6, for each check valve separately to prevent switching fittings.



Flow Tube Check Valve Installation

Step 3- Install Check Valve into gas console. See arrow on check valve for correct orientation. Arrow should be pointing to console.

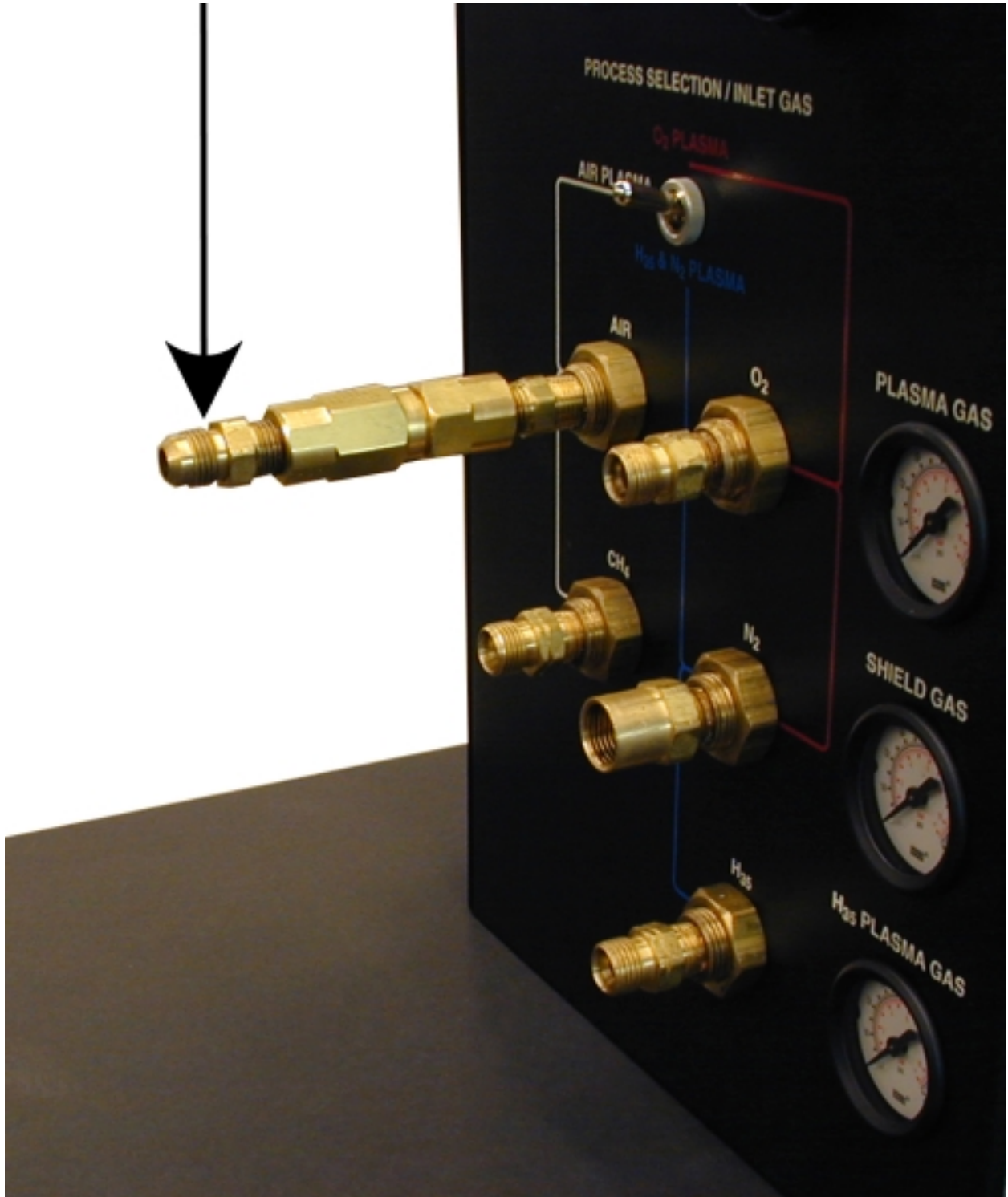
NOTE: Use appropriate liquid thread sealer. Do not use teflon tape.



Flow Tube Check Valve Installation

Step 4- Install fitting into Check Valve.

NOTE: Use appropriate liquid thread sealer. Do not use teflon tape.



Flow Tube Check Valve Installation

Step 5 - Connect gas hose to appropriate fitting.

Step 6 - Check for leaks at fittings. Repeat for all other fittings.

