

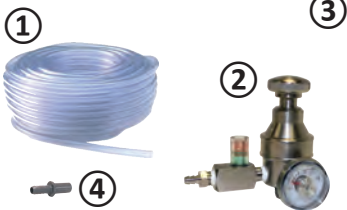


Testing the HGM-300, HGM-MZ, and HGM-SZ Using the Gas Verification Kit

3015-3842 Rev 3
February 2017

1. OVERVIEW

This procedure describes the use of a gas verification kit to verify operation of various HGM units.

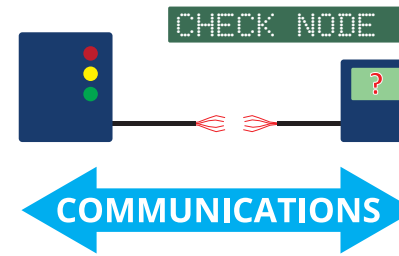


2. MATERIALS REQUIRED

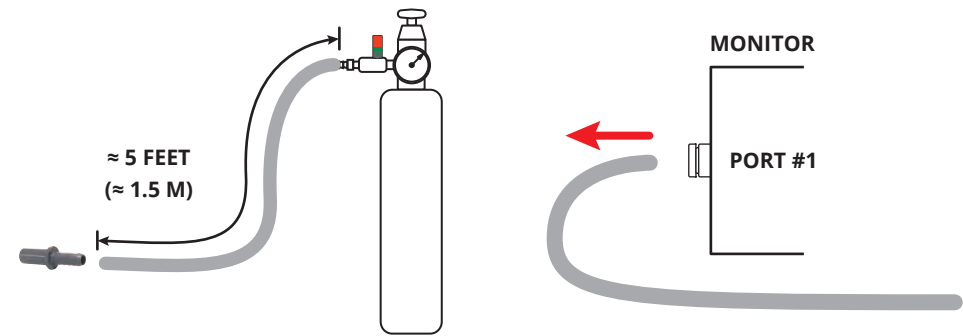
- A supply of 3/16" tubing (1)
- Variable flow regulator (2)
- Reference gas cylinder (3)
- Plastic stem connector (4)
- Appropriate user interface for sample gas verification, e.g., an SZ, an MZ, an MZ with optional RD, or an HGM300 with either an RDM-800 or a PC using the HGM PC Interface Software
- Appropriate instruction manuals for reference (available from www.mybacharach.com).

3. SETUP PROCEDURE

- POWER ON
- VERIFY COMMUNICATIONS
- WAIT FOR WARM-UP



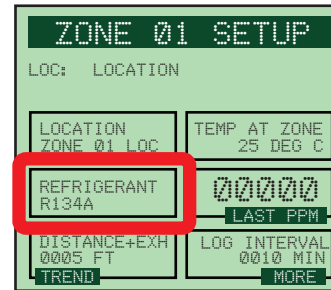
- ASSEMBLE GAS KIT
- PREPARE GAS PORT (DISCONNECT TUBE)



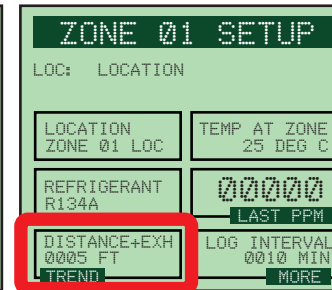
- SET REFRIGERANT TYPE
- SET TUBING DISTANCE
- SET ZONE HOLD TIME

(Your Screens May Vary)

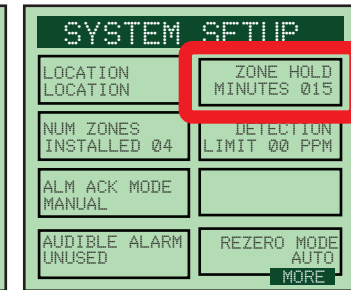
(See P/N 3015-3843 if using HGM300 PC Software)



SEE REFERENCE GAS CYLINDER



5 FEET OF TEST TUBING

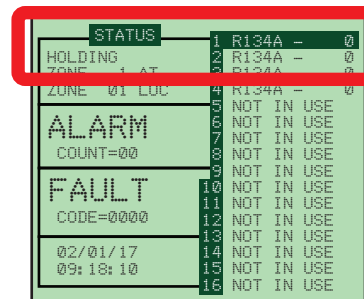


15 MINUTES TO DO TEST

- ENTER ZONE HOLD MODE
- ENSURE "HOLDING" (NOT PURGING)

(You may need to wait for PURGE cycle to complete.)

(Your Screen May Vary)



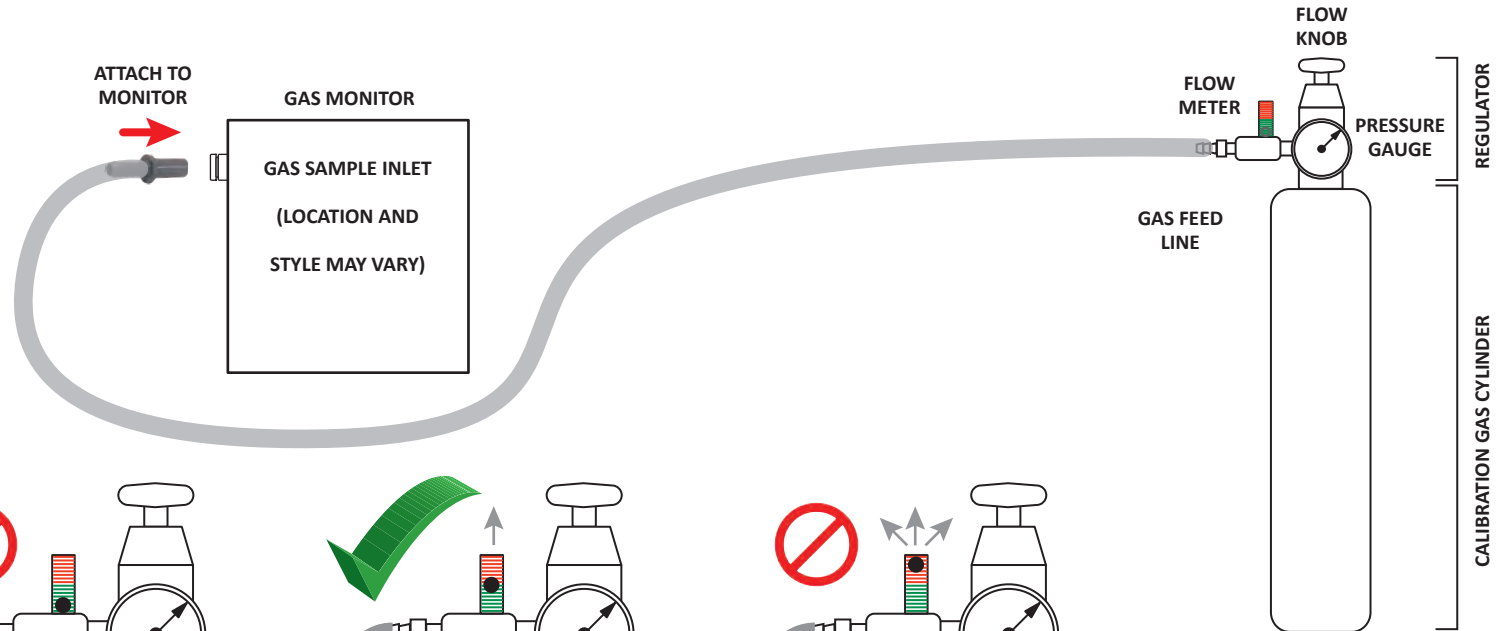
To place an MZ zone on hold, select the zone at the main run screen using the arrow keys, then press and hold the ENTER key until the unit beeps. The word "HOLDING" will appear in the status box.

To place an HGM-300 zone on hold, select the ZONES option, then press and hold the ZONE 1 key until the unit beeps. The word "HOLDING" will appear in the status box.

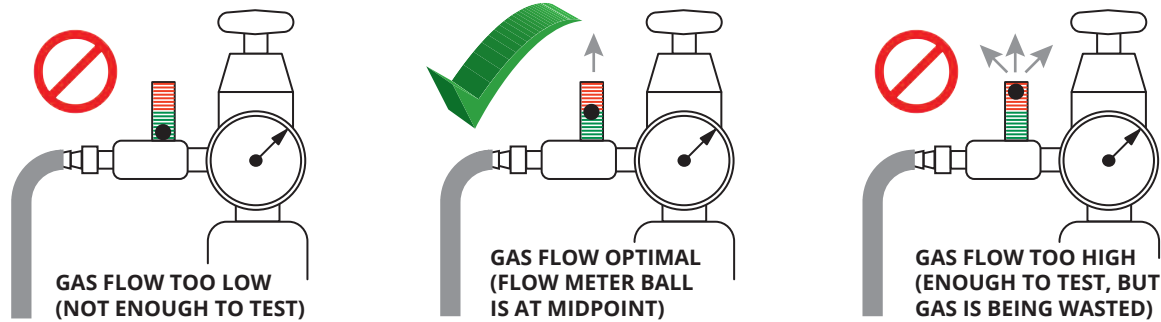
4. TEST PROCEDURE

CONNECT TEST GAS

OPEN FLOW KNOB



ADJUST FLOW



READING STABILIZES

VERIFY READING

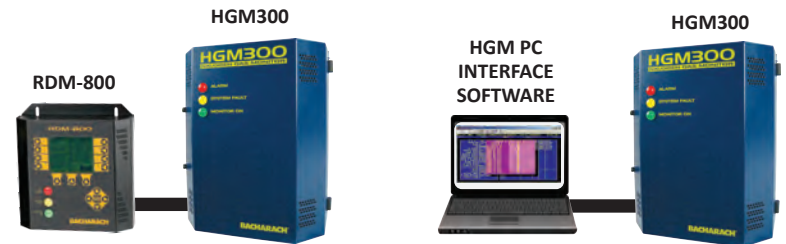
(Your Screen May Vary)

(Unit will automatically exit ZONE HOLD mode after ZONE HOLD MIINUTES expire.)

STATUS	1	2
HOLDING	R134A -	100
ZONE 1 AT	R134A -	0
ZONE 01 LOC	R134A -	0
ALARM	NOT IN USE	
COUNT=00	NOT IN USE	
FAULT	NOT IN USE	
CODE=0000	NOT IN USE	
02/01/17	NOT IN USE	
09:18:10	NOT IN USE	
	16	NOT IN USE

WITHIN SPECIFICATIONS
OF CYLINDER PPM

If reading is not within specifications, verify connections and procedure. Refer to manual(s) for calibration adjustments (www.MyBacharach.com) or contact Bacharach Customer Service.



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