NESLAB
MODIFICATION

July 18, 1996

Ref of 8-7-96

To: Cal. Tech
Attn: Alan Rice

From: David Burke
Neslab Instruments

Subject: System II s/n: 90DML28540-6

Dear Mr. Rice

The following is information on adding an auto restart option for your System II.

NESLAB P/N	Description	Price	Qty
006114	DPDT Relay	$106.00 stock	1
006258	DPST Toggle Switch	$8.00 stock	1
006538	Connector	$2.00 stock	1
6.2435	Wiring Diagram	N/C stock	1

If you have any questions please call X6347

Best regards, 603-430-6347

Dave

SYSTEM II PART # 32300 3260/01 ELECTRICAL 055804
DAVE BURKE
X6347 603-430-XXXX SN 90DML28540-[redacted]6 972905
800-258-0830 603-436-7444

AS DELIVERED NESLAB WOULD LATCH OFF FOLLOWING A POWER FAILURE. THIS MOD WILL ALLOW UNIT TO RESTART AND STILL LEAVE INTERNAL SAFETY INTERLOCKS INTACT. NESLAB WAS REALLY UNABLE TO PROVIDE A RELEVANT SET OF SCHEMATIC DRAWINGS

10/31/93

NESLAB INSTALLATION

EPR INSTALLATION INSTRUCTIONS (½")

Enclosed are two drawings showing the EPR assembly orientation for either the HX series Coolflow or the CFT series Coolflow. The only difference between the two is the orientation of the assembly. It is unnecessary to disassemble or alter the valve-tee sub assembly as shipped.

INSTALLATION

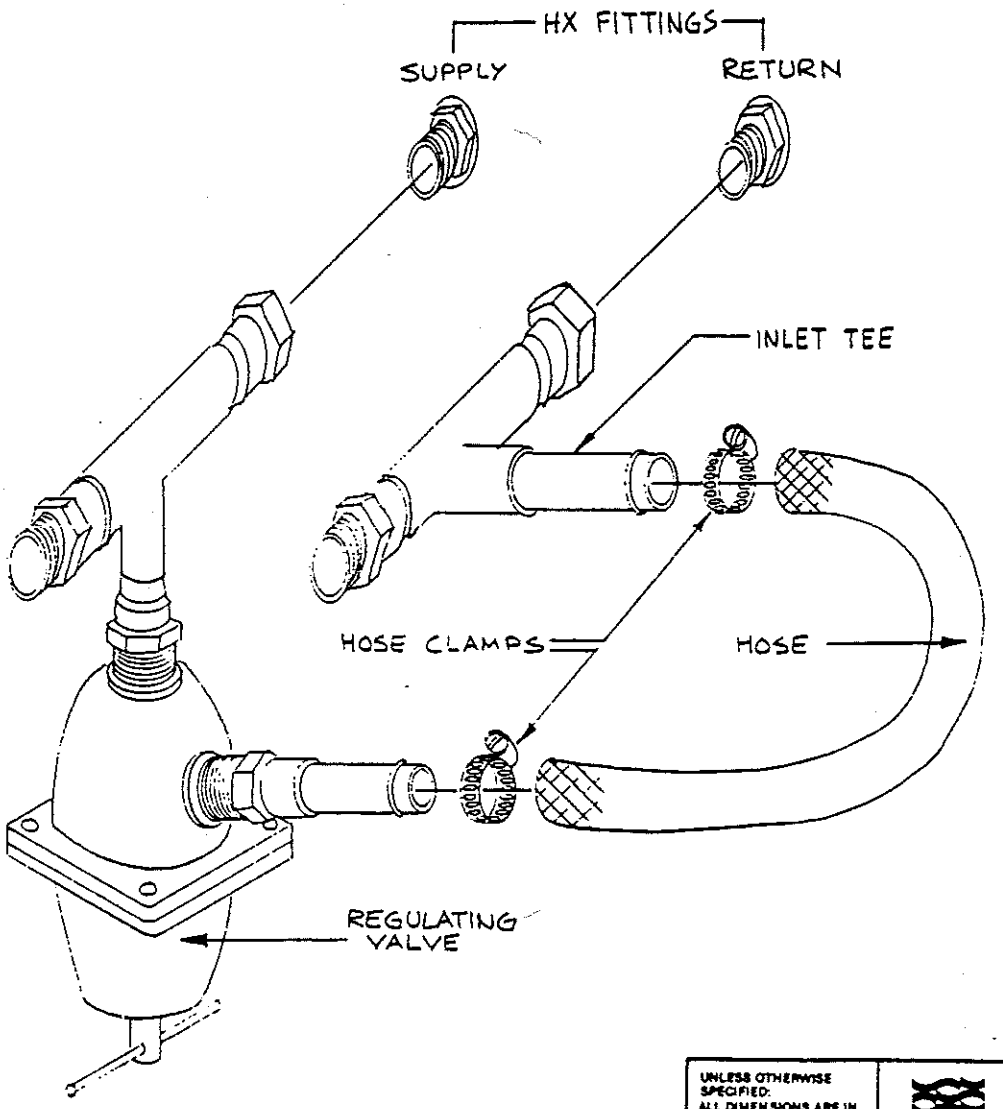
1. Thread the regulating valve assembly onto the outlet fitting of the Coolflow.
2. Position valve assembly as shown on diagram. (Regulator handle points down) the assembly should be tightened just enough to prevent leakage.
3. Thread the inlet tee onto the inlet fitting of the Coolflow. Position as per diagram.
4. Connect hose as shown in diagram. Tighten hose clamps.
5. Install external instrument to be cooled as outlined in Coolflow instruction manual.

ADJUSTING EPR

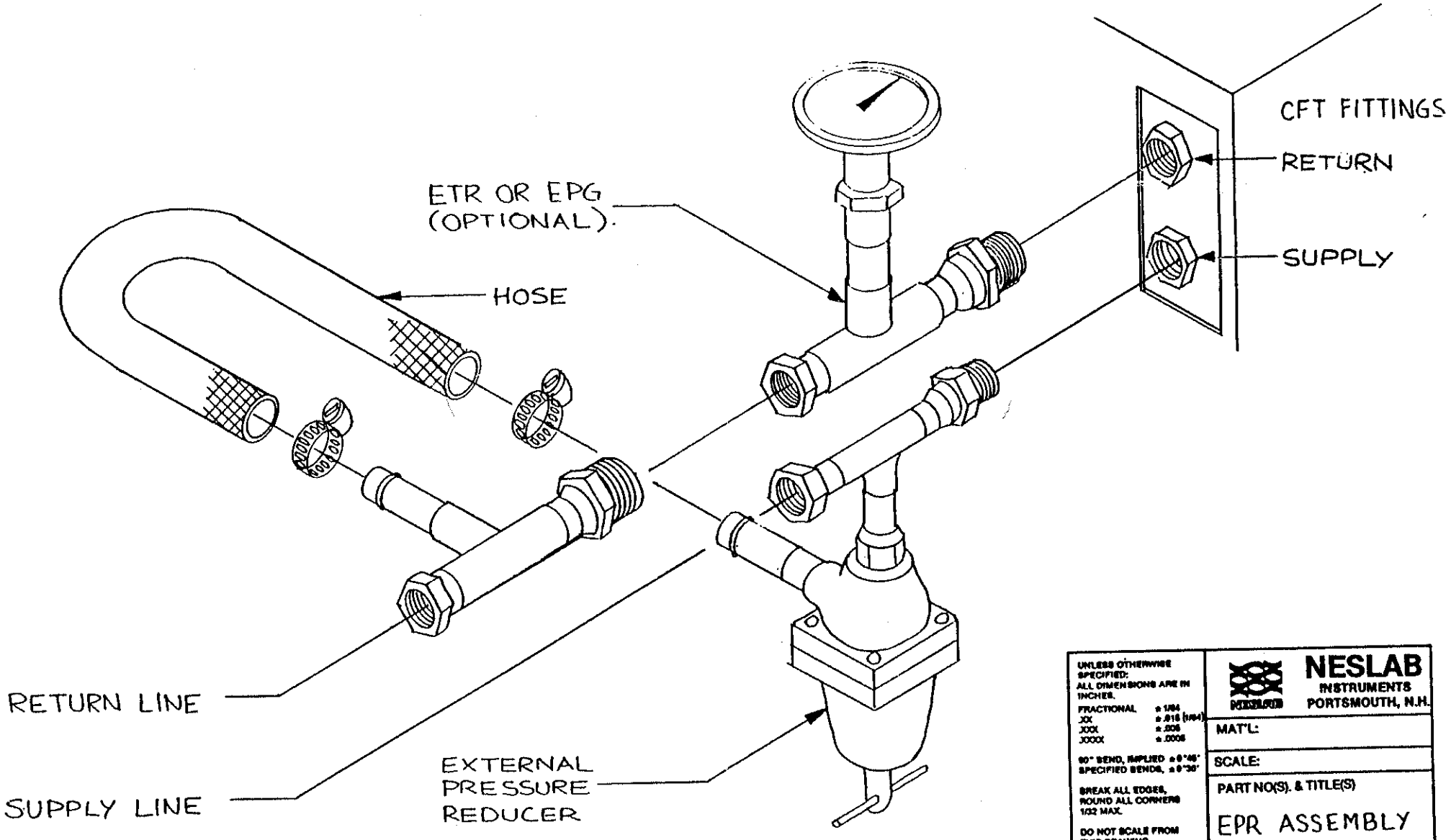
1. Adjust tee handle or EPR valve to minimum pressure relief setting. (Counter-Clockwise).
2. Turn on Coolflow. Insure there is adequate flow to instrument being cooled.
3. Close or pinch off the line between EPR Valve assembly and instruments.
4. While monitoring the Coolflow's pressure gauge, turn the EPR tee handle in (clockwise) until the desired relief pressure* is read. The valve has a locknut to secure the position of the setting.
5. Open the line to the instrument for normal operation.

*CAUTION: EPR CANNOT be set lower than "total" back pressure of instrument to be cooled, or flow will not be received by the instrument and overheating may result.

1/2" EXTERNAL PRESSURE REDUCER DIAGRAM



UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES. FRACTIONAL ± 1/64 .XX ± .015 (1/64) .XXX ± .005 .XXXX ± .0005 ANGULAR: 90° BEND, IMPLIED ± 0°45' SPECIFIED BENDS, ± 0°30' BREAK ALL EDGES, ROUND ALL CORNERS 1/32 MAX. DO NOT SCALE FROM THIS DRAWING. RM 11-12-85	NESLAB INSTRUMENTS PORTSMOUTH, N.H.
	MAT'L:
	SCALE:
	PART NO(S). & TITLE(S) 342000 EPR ASSEMBLY
	DWG NO. / REV.



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RM 11-13-85

NESLAB
INSTRUMENTS
PORTSMOUTH, N.H.

MAT'L:

SCALE:

PART NO(S). & TITLE(S)

EPR ASSEMBLY
FOR CFT UNITS

DWG NO.

REV.