

\*1-1/2" MANUAL SHUT-OFF VLV.

GAS PRESSURE REGULATOR (SEE NOTE 8)

ISOLATION/SERVICE VALVE

GAS SUPPLY

RELIEF VALVE\*

LOW WATER CUT-OFF SWITCH\*

SEE NOTE 3

PRESS./TEMP. GAUGE\*

AQUASTAT\*

MANDATORY PRIMARY PUMP

MAINTAIN A REGULATED 4" W.C. PRESSURE AT MAXIMUM BTU/HR INPUT

MANDATORY BOILER STRAINER  
EXHAUST CONNECTION\*

LEGEND

	Y STRAINER
	ISOLATION VALVE
	UNION
	BALANCING VALVE
	CHECK VALVE
	BACKFLOW PREVENTER

SECONDARY/SYSTEM AIR SEPARATOR

SECONDARY/SYSTEM PUMP

PRESSURE REDUCING FILL VALVE

SECONDARY/SYSTEM SUPPLY

(NOTE 10)

LINE SIZE BYPASS

DIAPHRAGM TYPE EXPANSION TANK

AIR VENT

HYDRAULIC SEPARATOR SHELL DIAM. MUST BE SIZED FOR LESS THAN 4.0 ft/sec;

DRAIN VALVE

SECONDARY/SYSTEM RETURN

NOTES:

- 1) FOR ACTUAL SIZES AND LOCATIONS OF PIPING AND OTHER CONNECTIONS TO THE BOILER, SEE APPROPRIATE DIMENSIONAL DRAWING.
- 2) SHELL DRAIN VALVE AND CONDENSATE DRAIN TRAP SHOULD BE ARRANGED TO PERMIT THE FLUIDS TO DRAIN FREELY, BY GRAVITY, TO A CONVENIENT FLOOR DRAIN. RELIEF VALVE SHOULD BE PIPED VERTICALLY TO A HEIGHT 18" ABOVE FLOOR.
- 3) ALL (\*) ITEMS ARE INCLUDED SEPARATELY IN SHIPMENT FROM FACTORY.
- 4) THE MANIFOLD FOR THESE COMPONENTS IS ALSO INCLUDED SEPARATELY IN SHIPMENT FROM FACTORY.
- 5) LOCATE WATER INLET AND OUTLET FITTINGS (i.e. UNIONS, ELBOWS, ETC.) A MINIMUM OF 6" FROM BOILER FITTINGS TO PREVENT INTERFERENCE WITH REMOVAL OF BOILER PANELS AND COVERS. ALL PIPING AND ELECTRIC CONNECTIONS (SERVICE SWITCHES, CONDUIT BOXES) SHOULD LIKEWISE BE 6" AWAY FROM SIDE PANELS.
- 6) MANDATORY PRIMARY PUMP - SEE AERCO MODULEX PRIMARY LOOP DESIGN DATA - ENGR. MANUAL C400.0 OR TABLE 1 OF GF-115-P (UNITS RATED FOR 50 PSIG MAXIMUM WORKING PRESS.) / GF-115-P-H (UNITS RATED FOR 92 PSIG).
- 7) MANDATORY BOILER STRAINER (20 MESH OR FINER).
- 8) GAS REGULATOR IS MANDATORY FOR THE STATE OF MASSACHUSETTS, REGARDLESS OF SUPPLY PRESSURE. FOR ALL OTHER JURISDICTIONS, GAS REGULATOR IS REQUIRED WHEN SUPPLY PRESSURE IS GREATER THAN 14" W.C.
- 9) THIS IS A TYPICAL INSTALLATION DRAWING. LOCAL CODES AND AUTHORITIES SHOULD BE CONSULTED.
- 10) IF PERMITTED BY LOCAL CODES, A CHECK VALVE MAY BE USED IN PLACE OF A BACKFLOW PREVENTER.
- 11) WHEN USING THE AERCO CONDENSATE NEUTRALIZER TANK, FOR PROPER CONDENSATE DRAINAGE, THE NEUTRALIZER TANK MUST BE INSTALLED IN A PIT OR THE BOILER AND THE AERCO CONDENSATE TRAP MUST BE ELEVATED HIGHER THAN 4" ABOVE THE FLOOR. SEE CONDENSATE TANK INSTRUCTIONS TID-0074 FOR DETAILS.

**AERCO INTERNATIONAL, INC.**  
NORTHVALE, NJ 07647

MODULEX GAS FIRED BOILER INSTALLATION WITH HYDRAULIC SEPARATOR

DWN. BY AR DATE 070910  
SCALE NTS  
APPD. \_\_\_\_\_ DATE \_\_\_\_\_

SD-A-813

REV. B