MINIMUM PIPE SIZES

BRANCH MAIN

1.135 1" 1-1/4"
183-403 1-1/4" 1-1/2"
514-828 1-1/2" 2"
926-1826 2" 2-1/2"
2100-4000 2-1/2" 3"

NOTES:
1. PUMP SWING CHECK VALVE IN GRAVITY CLOSED POSITION.
2. PUMP ALL RELIEF VALVES TO DRAIN OR AS LOCAL CODES REQUIRE.
3. INSTALL TEE AS CLOSE AS POSSIBLE TO TANK.
4. INSTALL COLD WATER BETWEEN BOILER OUTLET AND TANK.
5. SEE CHART "MINIMUM PIPE SIZES" FOR MINIMUM PIPE SIZES.
6. SIZING BASED ON SETheimer BOILER AND TANK (OPEN PLACED FIVE FEET APART, IF DISTANCE IS GREATER, THE PUMP MUST BE SIZED TO ACCOMMODATE INCREASE IN PUMP RELATED LOSSES.
7. PROVIDE FOR THERMAL EXPANSION OF HOT WATER IF A BACKFLOW PREVENTER, CHECK VALVE, WATER METERS OR PRESSURE- REDUCING VALVE IS INSTALLED IN THE COLD WATER LINE.
8. PIPING BRANCHES ON BOTH HEATERS AND TANKS TO BE EQUIVALENT TO PROVIDE BALANCED FLOW.

ACAD: 8228 ENG

BOILERS SHOWN REPRESENT VARIOUS MODELS. BECAUSE INDIVIDUAL MODELS WILL VARY IN DESIGN AND SIZING, SEE EACH SPECIFIC BOILER TYPE FOR DETAILS.

GUARANTEED 80% DRAW WITHOUT TEMPERATURE DROP. USE RAYPAK BOILER, TANK, SIZING TABLE AND HOOK-UP DATA

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UNLESS OTHERWISE SPECIFIED:
ALL UNITS ARE IN INCHES
FRACIONS: ±1/32 ANGLES ±1'
XX = ± 0.01 XX = ± 0.06
XXX = ± 0.02 XXX = ± 0.10
DRAFT WALL, RADI
CONCENTRICITY: 0.01 DIA.
SQUARNESS: 0.05 IN./IN.
BREAT EYES: 0.05 MAX.
SURFACE FINISH PER
ASME Y14.35M-1996

PIPING: UNI-TEMP 80: 1 BOILER, 2 V TANKS, 2 TEMP

W 183-4001 ENG NO. 8228