

BOILERS AND UNFIRED PRESSURE VESSELS

- 6 Kettles should be filled only to a point where undue splashing will not occur when the contents are heated or agitated. Splash guards or loose covers may be used.
- Evaporating pans* ordinarily are shallow pans containing steam coils which, when the pans are in operation, are immersed in the material being treated. The hazard to be guarded against is permitting the coil to become exposed, in which event the material may be overheated or ignited and fire or explosion result. Safe practices include:
- 1 Pans should be continuously attended as long as they are in operation.
 - 2 After each use the pans and coils should be thoroughly cleaned.
 - 3 After steam is shut off in the coils, the coils should be drained to prevent the product from being drawn into lines when steam condenses and creates a vacuum. Installing a vacuum breaker would also prevent this.

References

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- American Standards Association, 10 East 40th St., New York City
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- National Board of Boiler and Pressure Vessel Inspectors, 145 North High St., Columbus, Ohio
- National Safety Council, 425 North Michigan Ave., Chicago, Ill.
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- Industrial Data Sheets
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Low Voltage Extension Light Cords and Systems. Data Sheet 316.
Maintenance of High-Pressure Gate and Plug Valves. Data Sheet 440.
Unfired Pressure Vessels and Piping in Pulp Mills. Data Sheet 243.
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