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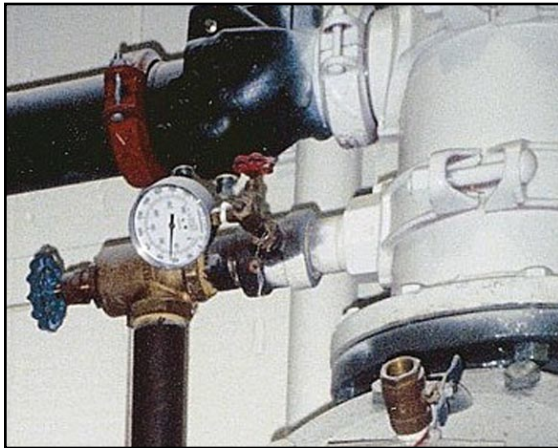
Coffee Break Training

Topic: Supply Side Gauge Placement

Learning objective: The student shall be able to identify correct placement for water pressure gauges on the system side of an alarm check valve.

The photograph illustrates a common, but incorrect, placement of a sprinkler system pressure gauge on a main drain outlet.

There are two pressure gauges required on wet pipe sprinkler systems having an alarm check valve: one on the supply side of the check valve (lower), and one on the system side (upper). In addition to measuring the normal incoming water pressure, the lower gauge is used for documenting water supplies during periodic main drain tests.



Because of potential turbulence, attaching the gauge to the main drain outlet as shown will result in inaccurate pressure readings during the main drain test. Having the gauge installed here will produce pressure readings that suggest an excessive pressure drop.

The gauge should be located so it is connected directly to the sprinkler system riser.

For additional information, refer to NFPA 13, *Installation of Sprinkler Systems*.