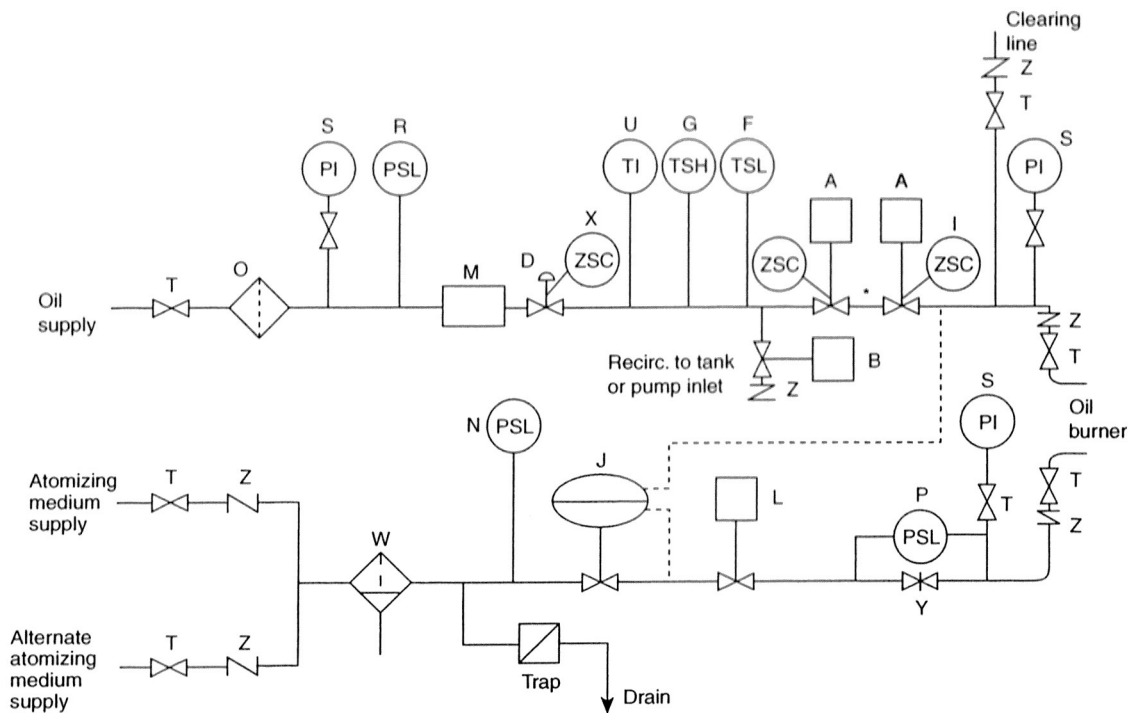


TYPICAL BURNER SYSTEM ARRANGEMENTS



- A Safety shutoff valve, spring closing (NC)
- B Oil recirculation valve atomizing (NO) (optional for unheated oil)
- D Oil flow control valve
- F Low oil temperature switch (not applicable for unheated oil)
- G High oil temperature switch (not applicable for unheated oil)
- I Closed position interlock on safety shutoff valve
- J Atomizing medium differential control valve
- L Automatic atomizing medium shutoff valve
- M Oil meter (optional)
- N Low atomizing medium pressure switch
- O Oil strainer
- P Atomizing medium flow interlock differential switch, or pressure interlock switch
- R Low pressure switch
- S Pressure gauge
- T Manual shutoff valve
- U Oil temperature gauge (optional for unheated oil)
- W Atomizing medium strainer
- X Low fire start switch
- Y Atomizing medium flow orifice
- Z Check valve

Note: NC = normally closed, deenergized
 NO = normally open, deenergized

Safety shutdown interlocks (not shown)

- Flame detector(s)
- Excessive steam pressure interlock
- Auxiliary low water cutoff (one required)
- Combustion air supply interlock

Typical Fuel and Atomizing Medium Supply Systems and Safety Controls for Oil Burner

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