

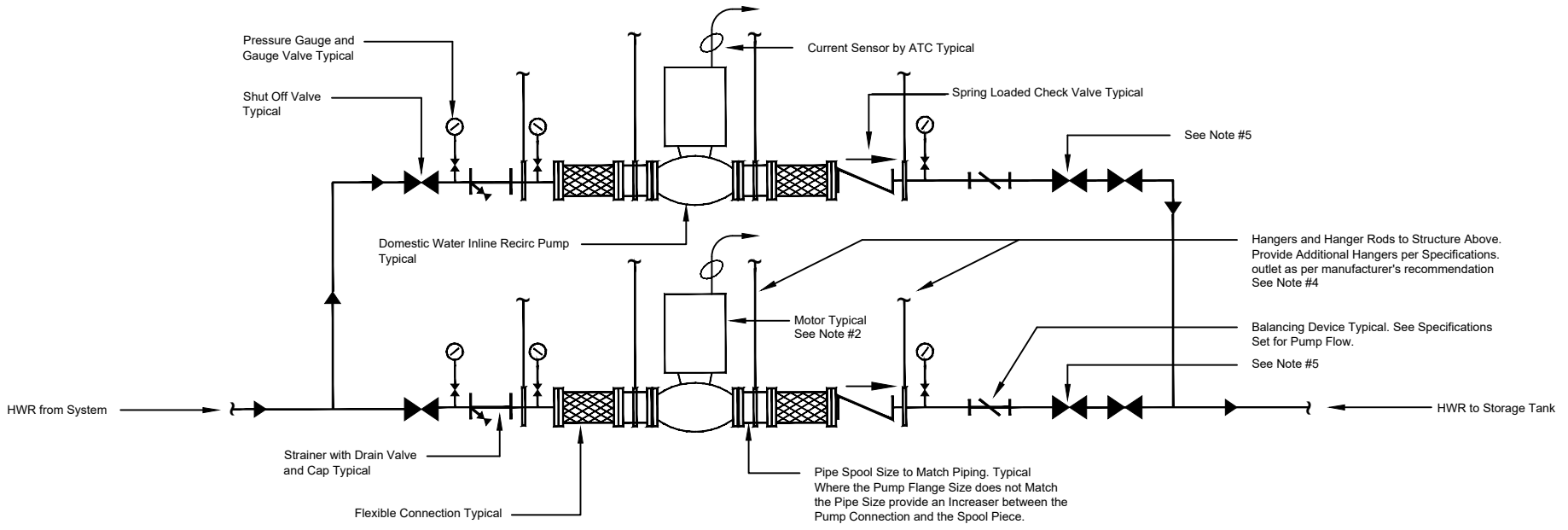
**** Note:**
 For X & Y provide the minimum lengths of straight pipe as per manufacturer's recommendations for each Flow Meter Fitting

Horizontal In Line Pump Detail - HVAC

No Scale

Notes :

1. When using Flanged, Welded or Grooved Pipe provide a Flow Meter Station without a Balancing Valve as specified.
2. Use Valve as a Combination Balancing / Shut Off Valve and add a Memory Stop as specified.
3. See Valve and Fitting Installation Detail for Additional Requirements
4. Support pumps from the structure independently from piping with spring isolation hangers. Support piping with spring isolation hangers located at two support points from each side of the pump.
5. When the pumps are installed with the motor in the horizontal position provide a steel channel to support the motor with hanger rods and a neoprene isolation pad between the motor and the steel channel.



Horizontal In Line Pump Detail - Plumbing

No Scale

Notes :

1. Support pumps from the structure independently from piping with spring isolation hangers. Support piping with spring isolation hangers located at two support points from each side of the pump.
2. When the pumps are installed with the motor in the horizontal position provide a steel channel to support the motor with hanger rods and a neoprene isolation pad between the motor and the steel channel.
3. See Valve and Fitting Installation Detail for Additional Requirements
4. This Detail is Typical for Laboratory Hot Water Systems.
5. Use Valve as a Combination Balancing / Shut Off Valve and add a Memory Stop as specified.