



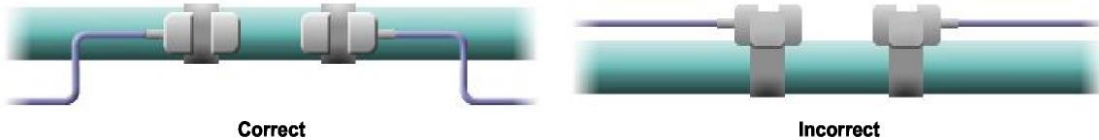
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## Selecting a Transducer Installation Site

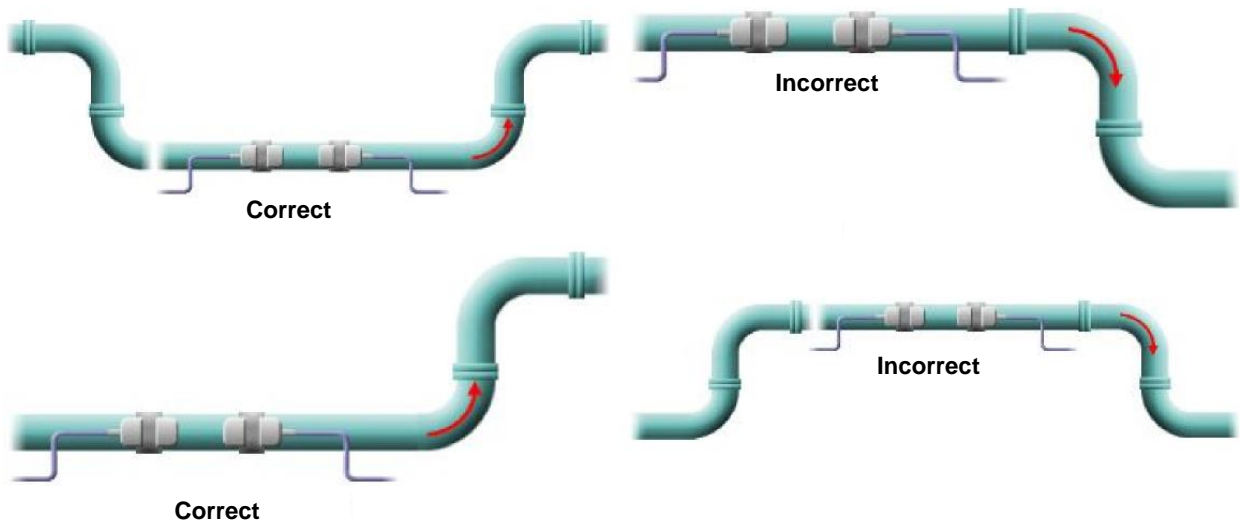
### Always Horizontal

When choosing a spot to mount your transducers, always select a location so that sound waves from the transducers propagate the pipe horizontally. Never mount your transducers on the top or bottom of the pipe. Solid particles travel along the bottom of the pipe and gas bubbles travel along the top.



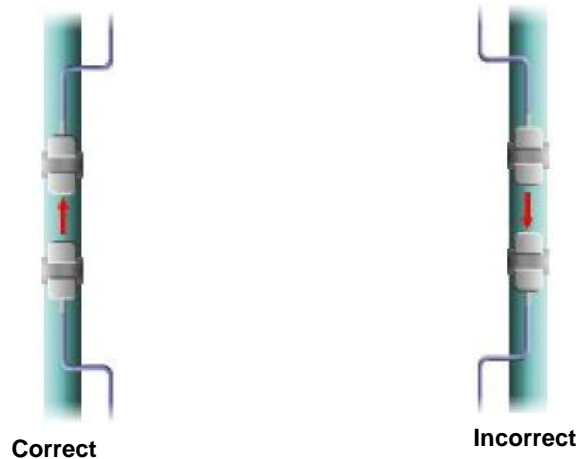
### Always Full of Fluids

Always avoid mounting your transducers in a location where it's possible that the fluids will drain out of the pipe. Make sure they're full at all times.



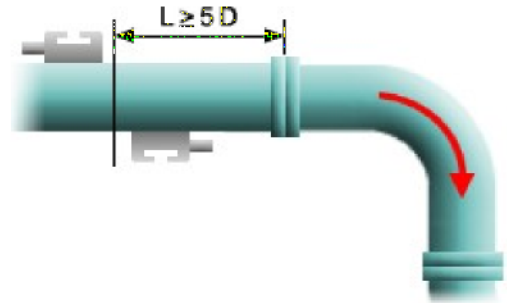
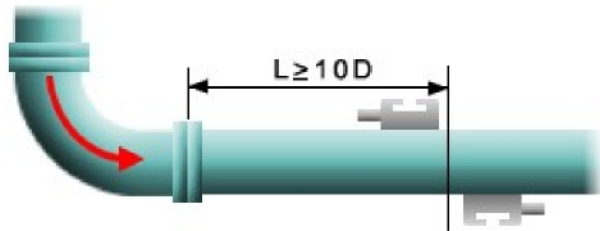
### Vertical Pipes

When choosing a vertical pipe, ensure the pipe remains full of fluids at all times.

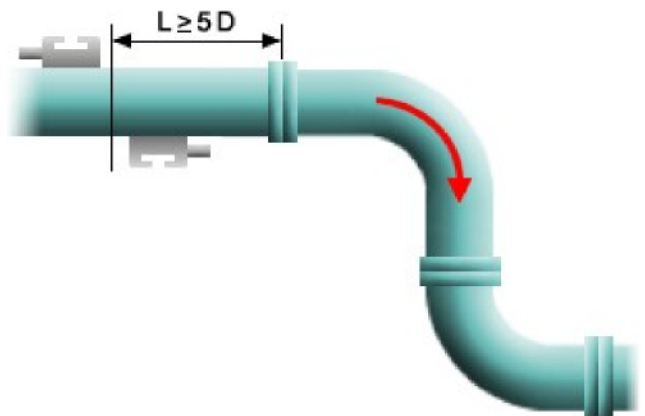
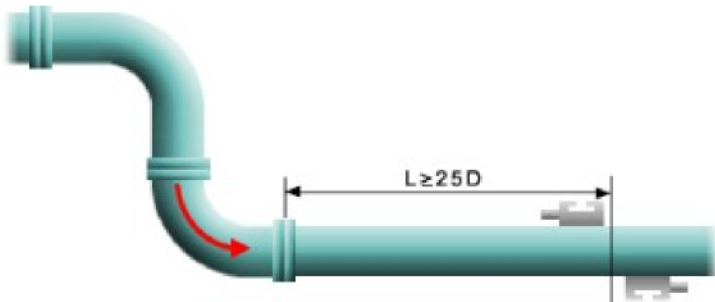


## Elbows

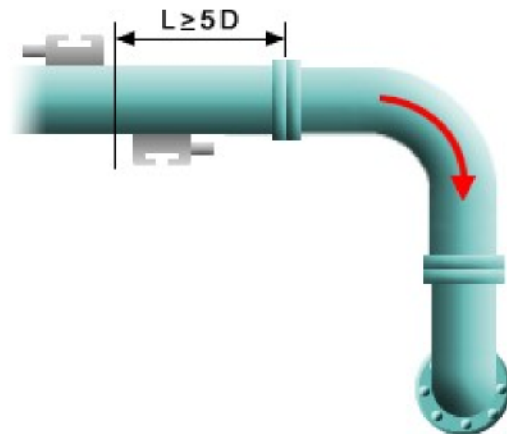
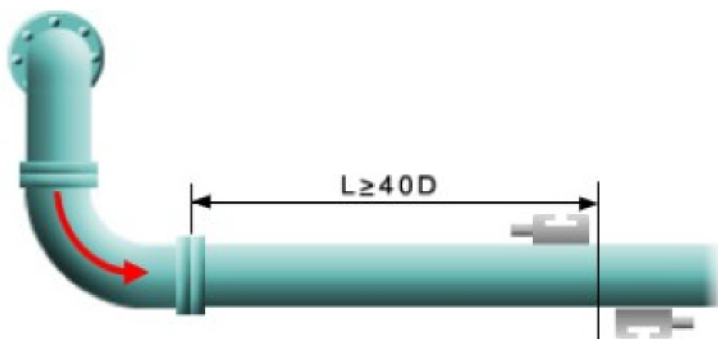
When any single or multiple elbow combination is in the pipe, select a mounting position away from those elbows as follows: ( Where L= Minimum Mounting distance and D=Diameter of pipe)



Outlet  $L \geq 5D$



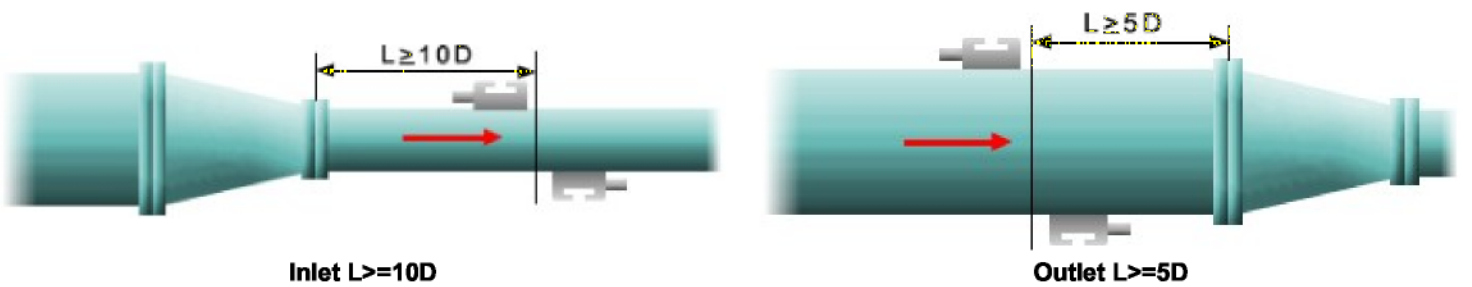
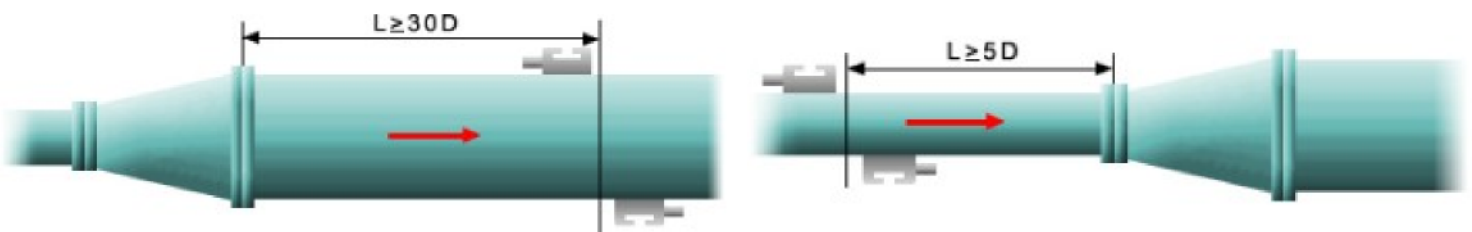
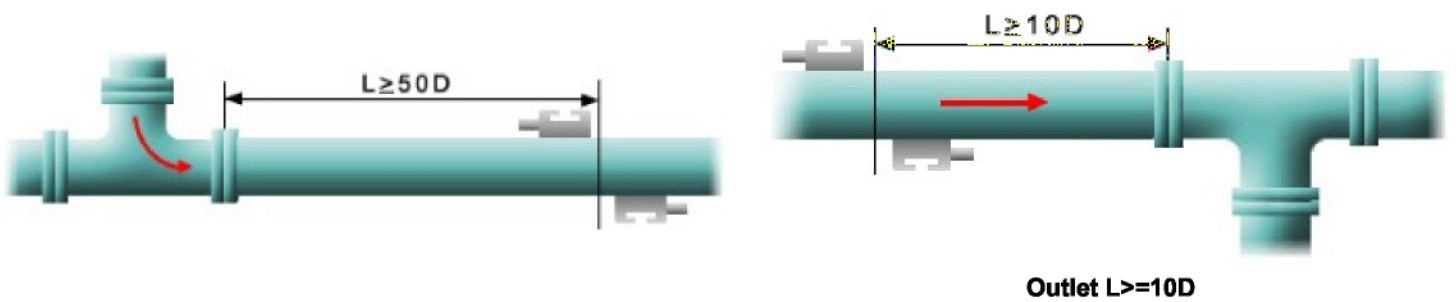
Outlet  $L \geq 5D$



Outlet  $L \geq 5D$

## T's Expansions, Reducers Valves and Pumps

When mounting your transducers upstream or downstream of any T, Expansion or Reduction Joint, Valve or Pump, follow these recommendations: (Where L= Minimum Mounting distance and D=Diameter of pipe)



**Disturbance source: Valve**

