UPSTREAM AND DOWNSTREAM IMPULSE PIPING CONNECTION POSITION

D is pipe diameter.
Upstream impulse piping connection (high pressure) is recommended at the port with distance (D), calculated from the center of the port to inlet of Orifice plate.
Downstream impulse piping connection (low pressure) is recommended at the port with distance (1/2D), calculated from the center of the port to outlet of Orifice plate.
For example: 10" steam flow meter, D distance is about 248.8 mm, 1/2D distance is about 124.4 mm.
Note: Two condensate pots at high pressure side and low pressure side must be installed in same height.

Note 1: Typical impulse piping size.
Note 2: Condensate pot with vent screw is for convenience of bleeding gas from manifold pipes.
Note 3: Keep the two condensate pots at the same height.
Note 4: Orifice plate, differential pressure transmitter, 3-valve manifold, two condensate pots and integrator are included in our offer and supplied in loose, assembly will be made by customer.
Note 5: All pipes, unions, flanges, globe valves, tees, fittings, drain valves and plugs, mounting brackets and support, orifice flanges are supplied and assembled by customer. All wiring connections are made by customer.