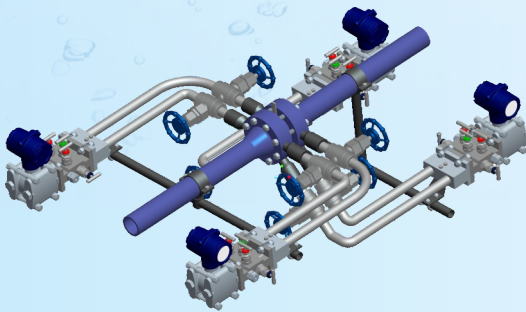


PRE - FAB

HOOK-UPS



Features

- Close Coupled Mounting.
Eliminates hydrostatic head errors.
- Welded Joints. Factory Tested.
Eliminates Leakages
Increases safety.
- Engineering by COMFIT. Hookups drawing shall be provided in MODEL LIBRARY compatible to PDMS / PDS.
Reduces total engineering time of the project.
Reduces procurement time.
Select the right configuration / type of the hook-ups.
- Compact & Sturdy Construction.
No mounting Stanchions needed.
Reduces installation work by 70%
Faster removal and reinstallation for maintenance.
- Other Features.
reduction in total cost of ownership.
Can be fabricated in Stainless Steel, Alloy Steel & other Exotic Materials.

Standard

- Fluid Flow in closed conduits : ISO 2186
- pressure - Temperature Rating - ANSI / ASME B16.34
- Design & NDT - ASME VIII Div 1, V
- Process measurement instrumentation - API 551
- Instrument Valves - MSS - SP - 99
- Globe Valves - API 602
- Ball Valves - BS 5351
- Welding Procedures - ASME SEC IX
- Valve testing - API 598
- Flange connection - ANSI B16.5
- Orifice Flange - ANSI B16.36
- NPT threads - ANSI B1.20.1
- Fire safe test - API 607/BS 6755 part2
- Instrument Connection - IEC 61518
- Dye penetrate test - ASME Sec V article 6
- Ultrasonic test - ASME Sec V article 4
- Helium leak detector - ASME Sec V article 10 (optional)
- Meets IBR requirements. (optional)

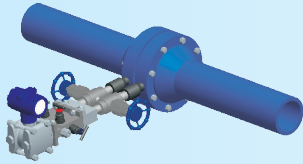
FLOW MEASUREMENT

With Orifice Flow Element

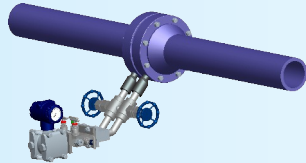
Flow Temperatures up to 200° C

Flow Temperatures up to 450° C
Pressure rating 2500 #

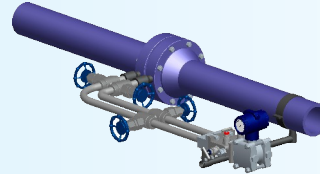
- Double isolation valves are given for high pressure rating.
- Slope is downwards in the direction of arrow for liquid service as shown.
- Slope is upwards for gas service.
- For gas flow hook-up shall have the taping 45° upwards



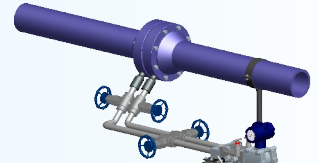
FLOW_FOR_LOW_TEMP-01



FLOW_FOR_LOW_TEMP-05

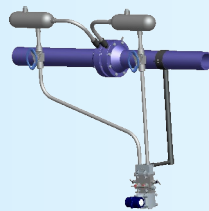


FLOW_FOR_HIGH_TEMO-05

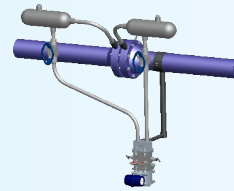


FLOW_FOR_HIGH_TEMP_45-01

Condensing Vapour (Steam) Flow



CHU-FT-006-01



CHU-FT-006-02

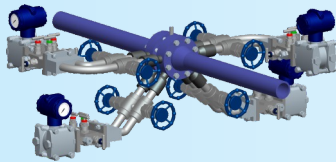


CHU_FT_007-01

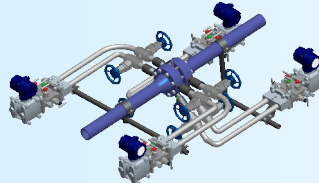
Redundant Flow Measurement

Flow Temperatures up to 200° C

Flow Temperatures up to 450° C



4IN1_LOW_PRESSURE-02

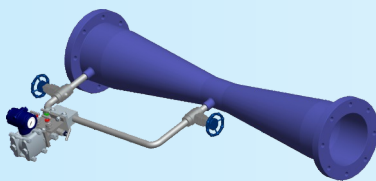


FT-10-Z1

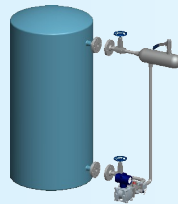
- For gas flow, 45° downward tapping shall be replaced by 45° upwards tapping.
- Providing independent tapping points for each of the redundant flow measurements obviates the possibilities of common mode simultaneous failure of all transmitters by chocking of a tapping point.

LEVEL MEASUREMENT

Venturi Flow Element



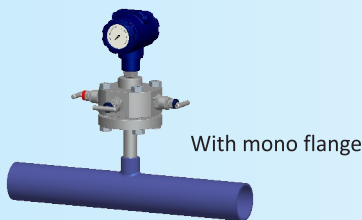
CHUFOR_VENTURI-05



LEVEL-05

There shall not be a condensate pot for level measurement with LP side having dry leg.

PRESSURE MEASUREMENT



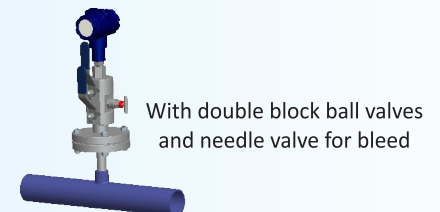
With mono flange

MONOFLANGE_F-05



With globe valve for isolation and 2-valve manifold

PREFABRICATION_HK01



With double block ball valves and needle valve for bleed

DBB_CONNECTION-05