

Orifice Preliminary Datasheet

ORIFICE PLATES			ORIFICE FLANGE		
1. CONCENTRIC <input checked="" type="checkbox"/> Other _____			7. Taps: Yes		
2. ISA Standard <input checked="" type="checkbox"/> Other _____			8. Tap Size: ½ in. <input checked="" type="checkbox"/> Other _____		
3. Bore: Maximum Rate <input checked="" type="checkbox"/> Nearest 1/8 in. <input type="checkbox"/>			9. Type: Weld Neck <input checked="" type="checkbox"/> Slip On <input type="checkbox"/> Threaded <input type="checkbox"/>		
4. Material: 304 SS <input checked="" type="checkbox"/> 316 SS <input type="checkbox"/> Other _____			10. Material: Steel <input type="checkbox"/> Other <u>A108</u>		
5. Ring Material & Type: V.T.A should be SS or PTFE			11. Flanges included : YES		
6. MFR. & MODEL No. _____			12. Flange Rating: Class 300# R.F.		
FLUID DATA:	13	SERVICE			
	14	LINE SIZE			
	15	FLUID TYPE			
	16	FLUID STATE			
	17	FLOW MAX./OPRE./MIN. (Gas:Nm ³ /h,Liquid:m ³ /h)			
	18	LINE PRESSURE MAX. / OPRE. / MIN. (Barg)			
	19	MAX PRESSURE DROP ALLOWED			
	20	TEMPERATURE MAX./OPRE./MIN. (Barg)			
	21	DENSITY AT BASE			
	22	DENSITY (Kg/m ³)			
	23	SUPERCOMP. FACTOR			
	24	Mol. Weight			
	25	Viscosity (cp/cv)			
	26	Quality % or Superheat			
27	Base Press.	Base Temp.			
METER:	28	TYPE OF METER	Smart Diff. Press.		
	29	DIFF. RANGE - DRY	V.T.A (see note 4)		
	30	ACCURACY	1 % Full Scale, with Zero Span Adjustable		
	31	PROCESS CONNECTION	½" NPT-M		
	32	OUTPUT	4~20 mA, with HART		
	33	POWER	24 VDC Loop Powered		
	34	LOCAL INDICATOR	YES, in DIECAST ALUMINUM HOUSING FIELD MOUNT		
PLATE & FLANGE:	34	BETA = d/D	V.T.A (1)		
	35	ORIFICE BORE DIAMETER	V.T.A (1)		
	36	SIZE / FLANGE RATING	V.T.A (1) / 300# R.F. WELD NECK		
	37	VENT OR DRAIN HOLE	INCLUDE		
	38	PLATE THICKNESS	API MPMS 14.3		
<p>NOTES:</p> <ol style="list-style-type: none"> VENDOR SHALL DETERMINE THE CORRECT VALUE VENDOR SHALL SELECT SUITABLE TRANSMITTER WITH ORIFICE PRESSURE (50/500/2500 mmH₂O) 					

