

ISO Orifice Plate - Concentric - Flange Taps - Liquid Flow

Spec.	Sheet
Project	Rev.
Req.	Date
By	Appr.

Element data	Tag Number	82-FE-024
	1) Design type	Concentric
	2) Design standard	
	3) Element material	316 stainless steel
	4) Ring joint data	
	5) Manufacturer	
	6) Model	
	7) Beta ratio (d/D)	.514483
	8) Orifice diameter	27.01 mm
	9) Pipe and flange inside diameter	2.067 in
	10) Drain hole diameter	Not required
	11) Element thickness	3.175 mm
Flange data	12)	
	13) Flange type	
	14) Flange material	Carbon steel
	15) Supplied with element?	
	16) Flange rating and facing	
Tap Data	17)	
	18) Pressure tap location	Flange taps
	19) Pressure tap size	
	20) Manifold	
Flowmeter data	21) Manifold material	
	22) Sensor type	
	23) Differential range	500 mbar
	24) Static pressure range	
	25) Chart or scale range	
Service conditions	26) Chart multiplier	22.1034
	27) Service	
	28) Line number	
	29) Fluid name	Reflux
	30) Fluid state	Liquid
	31) Maximum flowrate	221.034 tonne/d
	32) Normal flowrate	176.827 tonne/d
	33) Pressure @ inlet tap	21.5 barg
	34) Operating temperature	38 degC
	35) Operating density	508 kg/m3
	36) Base density	
	37) Operating viscosity	.1 mPa.s
	38) Barometric pressure	14.7 psia
	39) Base temperature	59 degF
	40) Base pressure	14.69595 psia
Notes		