

Table 3-1: PT878GC Installation Requirements

PT878GC-02	PT878GC-01	Pipe Size In. (mm)	Transducer (Normal Temp.)	Installation Requirements for Minimum Required Pressure with Resultant Maximum Flow							
				Number of Traverses	Pipe Wall Thickness In. (mm)	Pressure psig (bar)			Maximum Flow Velocity fts (m/s)		
						Air	NG	Steam	Air	NG	Steam
		3/4 (20)	1.0 MHz	5	≤0.07 (1.8)	60 (5.1)	N/A	N/A	90 (27.4)	N/A	N/A
		1 (25)	1.0 MHz	3	≤0.14 (3.6)	60 (5.1)	N/A	N/A	90 (27.4)	N/A	N/A
		1.5 (40)	1.0 MHz	3	≤0.15 (3.8)	60 (5.1)	N/A	N/A	90 (27.4)	N/A	N/A
		2 (50)	1.0 MHz	3	≤0.16 (4.1)	60 (5.1)	200 (14.8)	N/A	90 (27.4)	110 (33.5)	N/A
		3 (75)	0.5 MHz	1	≤0.22 (5.6)	60 (5.1)	200 (14.8)	N/A	120 (36.6)	120 (36.6)	N/A
		4 (100)	0.5 MHz	1	≤0.24 (6.1)	60 (5.1)	150 (11.4)	110 (8.6)	120 (36.6)	120 (36.6)	120 (36.6)
	1			≤0.34 (8.6)	180 (13.4)	400 (28.6)	200 (14.8)				
	3			≤0.68 (17.3)	300 (21.7)	800 (56.2)	N/A	72 (21.9)			
		6 (150)	0.5 MHz	1	≤0.28 (7.2)	60 (5.1)	150 (11.4)	110 (8.6)	90 (27.4)	120 (36.6)	120 (36.6)
	1			≤0.44 (11.2)	180 (13.4)	400 (28.6)	200 (14.8)				
	3			≤0.87 (22.1)	300 (21.7)	800 (56.2)	N/A	55 (16.8)			
		8 (200)	0.5 MHz	1	≤0.33 (8.4)	60 (5.1)	175 (13.1)	120 (9.3)	80 (24.4)	100 (30.5)	100 (30.5)
	1			≤0.5 (12.7)	180 (13.4)	400 (28.6)	200 (14.8)				
	0.2 MHz			1	≤0.88 (22.4)	300 (21.7)	800 (56.2)	N/A			
		10 (250)	0.5 MHz	1	≤0.37 (9.4)	60 (5.1)	200 (14.8)	130 (10.0)	70 (21.3)	85 (25.9)	85 (25.9)
	1			≤0.5 (12.7)	180 (13.4)	500 (35.5)	200 (14.8)				
	0.2 MHz			1	≤1.0 (25.4)	300 (21.7)	800 (56.2)	N/A			
		12 (300)	0.5 MHz	1	≤0.38 (9.7)	60 (5.1)	250 (18.3)	140 (10.7)	55 (16.8)	70 (21.3)	70 (21.3)
	1			≤0.5 (12.7)	180 (13.4)	500 (35.5)	200 (14.8)				
	0.2 MHz			1	≤1.0 (25.4)	300 (21.7)	800 (56.2)	N/A			
		14 (350)	0.2 MHz	1	≤0.38 (9.7)	90 (7.2)	300 (21.7)	N/A	50 (15.2)	60 (18.3)	N/A
	1			≤0.5 (12.7)	270 (19.6)	800 (56.2)	N/A				
		16 (400)	0.2 MHz	1	≤0.38 (9.7)	90 (7.2)	300 (21.7)	N/A	40 (12.2)	54 (16.5)	N/A
	1			≤0.5 (12.7)	270 (19.6)	800 (56.2)	N/A				
		18 (450)	0.2 MHz	1	≤0.38 (9.7)	90 (7.2)	300 (21.7)	N/A	35 (10.7)	50 (15.2)	N/A
	1			≤0.5 (12.7)	270 (19.6)	800 (56.2)	N/A				
		20 (500)	0.2 MHz	1	≤0.38 (9.7)	90 (7.2)	300 (21.7)	N/A	35 (10.7)	43 (13.1)	N/A
	1			≤0.5 (12.7)	270 (19.6)	800 (56.2)	N/A				
		24 (600)	0.2 MHz	1	≤0.38 (9.7)	90 (7.2)	300 (21.7)	N/A	30 (9.1)	36 (11.0)	N/A
	1			≤0.5 (12.7)	270 (19.6)	800 (56.2)	N/A				