

DP FLOW SQUARE ROOT SCALING TABLE

Project: FT 3101 orifice flow

Calc no: CALC FT 002

Rev: 0

Yellow cells: enter data. Grey cells: calculated automatically. Free template from instrumentationblog.in

Range			
Maximum flow	120	Flow unit	m³/h
DP at maximum flow (mbar)	250	Low flow cut off (% flow)	6

Live conversion			
Measured DP (mbar)	62.5	Flow at measured DP	60.00
Flow (%)	50.0	mA (square root output)	12.000

Flow, DP and output						
Flow (%)	Flow	DP (mbar)	DP (%)	mA, linear DP output	mA, square root output	Cut off
0	0.00	0.00	0.00	4.000	4.000	Below cut off
5	6.00	0.63	0.25	4.040	4.800	Below cut off
10	12.00	2.50	1.00	4.160	5.600	
15	18.00	5.63	2.25	4.360	6.400	
20	24.00	10.00	4.00	4.640	7.200	
25	30.00	15.63	6.25	5.000	8.000	
30	36.00	22.50	9.00	5.440	8.800	
35	42.00	30.63	12.25	5.960	9.600	
40	48.00	40.00	16.00	6.560	10.400	
45	54.00	50.63	20.25	7.240	11.200	
50	60.00	62.50	25.00	8.000	12.000	
55	66.00	75.63	30.25	8.840	12.800	
60	72.00	90.00	36.00	9.760	13.600	
65	78.00	105.63	42.25	10.760	14.400	
70	84.00	122.50	49.00	11.840	15.200	
75	90.00	140.63	56.25	13.000	16.000	
80	96.00	160.00	64.00	14.240	16.800	
85	102.00	180.63	72.25	15.560	17.600	
90	108.00	202.50	81.00	16.960	18.400	
95	114.00	225.63	90.25	18.440	19.200	
100	120.00	250.00	100.00	20.000	20.000	

Prepared by	Checked by
Name:	Name:
Signature:	Signature:
Date:	Date: