

Example DP Calculation sheet

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Differential Pressure Calculation for a PLATON Insertion FLO-BAR Averaging Pitot Tube

Customer : Joe Bloggs	Date : 05 September 2003
Cust. Ref : 654321	RM&C Ref. : F123456
Tag No. : N/A	Flobar Part No. : PPB-SN-1-2-00000
Process : Air	Item No. :

The Flowing Parameters are for a 25mm Probe with a Flanged Mounting Connection & is Supported at Both Ends

Pipe/Duct ID :	300 mm	Round Pipe/Duct
Pressure :	15 bar g	
Temperature :	48 C	3mm Wall Thickness
Working Density :	17.37360958 kg/m ³	102.2 mm Stand off Height
Viscosity :	0.012cp	
Reynolds Number :	2539923.97	
'K' Factor :	0.737	405.2 mm

If ANY of the above values alter, the Generated Differential Pressure is likely to Change

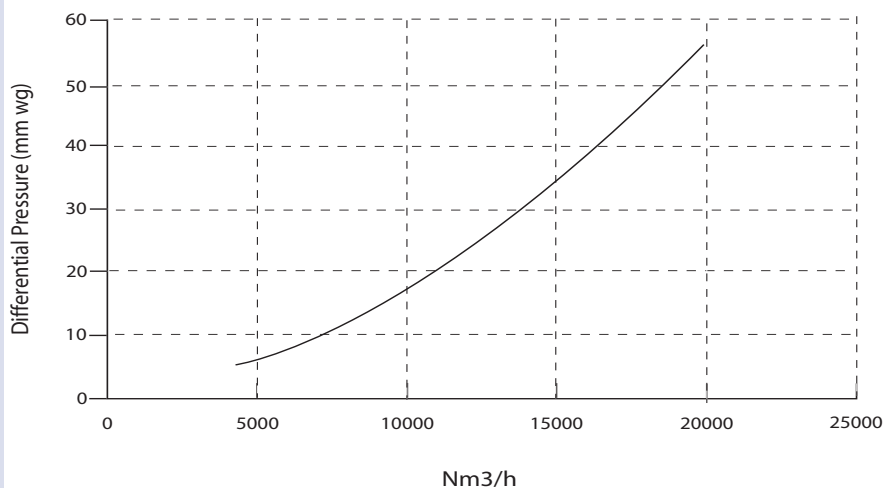
The Actual Flowing Velocity is	5.85 Am/s	Therefore the Flowing Velocity is Acceptable
Maximum Permitted Velocity is	181.97 Am/s	
The Srouhol (Actual) Frequency is	48.352 Hz	Therefore the Frequency Ratio is Acceptable
The Resonant Frequency is	603.55 Hz	

Therefore this Flo-Bar is Suitable for this Application

Standard Valves are Suitable for this Temperature Application

Flow Rate	2000	Nm3/h	Generated DP		Un-recovered Pressure Loss	
			547.0	76.1	Pascals	
			55.9	7.8	mm wg	
			5.5	0.8	mbar g	

Graph of Flow / DP



RETURNS & WARRANTY

Before returning any goods to RM&C you must obtain a Returns form containing a unique returns (CA) authorisation number. Failure to do so will result in the goods being returned to you, without any inspection, etc... To obtain this form, contact the Q.A. department of our Sheffield office and by return the form will be faxed to you.

On receipt of the Returns form, fill in any required fields and return it with the goods to the Sheffield office. It is advisable to keep a copy of this form (with authorisation No.) for reference purposes.

If the goods have come in contact with any processes or environments that may be harmful to a user, then COSHH Regulations must also be observed. It is requested that a Material Safety Data Sheet (MSDS) is also supplied with returned goods, if this is likely to be the case. If not provided and the goods are suspected of being contaminated, they will be returned to you.

On receipt of appropriate documentation the goods will be examined & assessed in accordance with the terms of any Warranty agreement.

Repairs

Prior to any repair work being carried out, you will be informed of our findings & any charges that may be incurred.

Replacements

Prior to the supply of any replacements, you will be informed of our findings & any charges that may be incurred.

No replacements will be sent prior to receiving the goods back from you, unless an Order number is supplied to cover the cost of the new unit/s. After inspection, etc.... of the returned goods a Credit may be issued, based on our findings

Warranty (extract from Terms & Conditions)

The warranty period is normally 12 months from the date of shipment, except as agreed at the time of sale.

Any misuse of the goods will void any warranty.

For full Warranty & other Contract details refer to our 'Terms & Conditions'.

Every effort has been made during the preparation of this document to ensure the accuracy of statements and specifications. However, we do not accept liability for damage, injury, loss or expense caused by errors or omissions made. We reserve the right to withdraw or amend products or documentation without notice.



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