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Product Name :
Characteristics Of Nozzles

Product Code :
LBNY-0005-103000210



Description :

Measuring reaction or action force of the nozzle by deformation of the bending beam
5 nozzles with different contours (4 convergent-divergent, 1 convergent) and 1 baffle plate
Detect impact force or thrust at nozzle to determine the flow velocity and nozzle efficiency
Air intake adaptable according to the experiment layout
Distance between baffle plate and nozzle can be adjusted
Experiment layout A: measuring reaction force (thrust) of the fluid at the nozzle
Experiment layout B: measuring action force of the fluid at the baffle plate
Needle valve on the flow meter for adjusting the back pressure
Compressed air regulator for adjusting the pressure downstream of the nozzle.

Technical Specification :

Technical Data:

Air consumption of the experimental unit
Air consumption: approx. 5g/s
Compressed air: max. 10bar
5 nozzles, brass
1x convergent
4x convergent-divergent
Length, divergent nozzles: 3,6 to 15,8mm
Diameter, all nozzles: 2mm
Compressed air regulator
Control range: 0...8,6bar.



Laboratory Instrument India