**LAB-6**

We used 90-degree conical plate and hemispherical cup.

Nozzle diameter is 6 mm.

|  |  |  |
| --- | --- | --- |
| Data No 1st deflector plate | Q, Volumetric flow rate (m3 /s) | Force, F (N) MEASURED |
| 1 | 0.8 | 5 N |
| 2 | 1.0 | 22 N |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |

**LAB-7**

|  |
| --- |
|   SELECT SPEAR VALVE OPENING: 1/4 2/4 3/4 4/4 |
| Data No | N, Rotational Speed, (rev/min) | Temperature (°C)  | P, Pressure (bar) | Q, Volumetric flow rate (m3 /s) | Moment, M (gram-force cm) | I, Current (A) | V, Voltage (V) |
|  1  |  360 |   18.92 |  0.4 bar | 1.4 |  780 |  0.72 |  3.73 |

