

| Trushape Flow Meter Manufacturing Methodology | | | | | | | |
|---|---|----------------------|-------------------|------------------------|---------|---------------------------|--|
| Part No. as per CAD Model List | Image | Manufacturing Method | Material | Nomenclature | Company | Manufacturing Video Links | Important Remarks |
| Part00.STEP |  | 3D Printing | Grey Resin | | | | Remove Supports properly and check each part by fitting the 50ml tube and bottle below. Use washers to prevent gas leakage. |
| Part9.STEP |  | Readymade | Brass | Brass Nut 3/8 | | | |
| Part8.STEP |  | CNC + Manual | Brass | | | | |
| Part7.STEP |  | CNC + Manual | Brass | | | | |
| Part6.STEP |  | CNC + Manual | Brass | | | | |
| Part5.STEP |  | CNC + Manual | Brass | | | | |
| Part12.STEP |  | CNC + Manual | Brass | | | | |
| Part11.STEP |  | Readymade | Brass | Brass Nut 1/4 | | | |
| Part10.STEP |  | Readymade | Brass | Brass Nipple 1/8 X 1/4 | | | |
| Part1.STEP |  | CNC + Manual | Stainless Steel | | | | |
| Part1 Knob.STEP |  | Readymade | Aluminium | | | | We 3D printed this first, were able to procure aluminium knobs hence aluminium is surely reliable than 3d printed sla part. |
| Inner Flow Gauge.STEP |  | 3D Printing | Transparent Resin | | | | Give a thorough wash in IPA then cure and use an acrylic aerosol spray to coat the outer surface to obtain some level of transparency. |

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| Indicator.STEP |  | 3D Printing | Black Resin | | | | This printed part should be of 0.29 Grams (± 0.01 Gms). You can sand out the head using a sand paper a little to maintain the weight |
| 50ml Falcon Tube Basic.STEP |  | Readymade | Plastic | | | | Any 50ml centrifuge tubes used in laboratory would work. If possible etch the outer marking using MEK solution so that the doctor dosen't have any issue with reading the inner gauge L/min readings |
| Plastic Bottle (250ml) |  | Readymade | Plastic | | MeeandMoms 250 ml Plastic Bottle | | contact: ankur.agarwal@menmoms.co.in Give reference: Faisal Kapasi from Trushape Precision Castings Pvt. Ltd. |
| Flex Tube | 8mm silicone tube | Readymade | Silicone | | | | |
| Pressure Gauge (200bar) (No Oil) |  | Readymade | Brass/Stainless Steel | | | | These needs to be procured from third party source |