
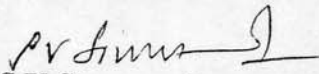
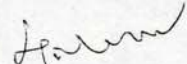


**SPECIFICATION FOR SPEED REGULATOR OR NEEDLE VALVE**

TOS 301 REV.01

1. Item Name & BHEL material code : Speed Regulator, 1/4 NPTF  
Code: 96 426 234
2. Application : Fine metering valve to control the operational speed of the pneumatic actuators
3. Port Size : 1/4 NPT Female
4. Pressure & temp. rating : 10 kg/sq.cm(g) & 65 °C
5. Performance : characteristics Cv = around 0.3, Orifice - 3 mm  
Stem Tip - with 6° to 8° included angle  
Number of stem turns - 15 to 20 for full travel  
Lift Vs Flow variation - Linear
6. Materials : Body - Brass or aluminium ; Stem -304 Stainless Steel;  
Packing - Buna N or Teflon
7. Flow adjustment : By hand knob provided with locking nut
8. Following works test certificate shall be submitted along with supplies : a. Body hydro test on air  
b. Type test for regulation performance for each lot of supply.
9. Marking : In addition to manufacturer's standard name plate, name tag carrying item name and BHEL material code shall be firmly affixed to each valve body.
10. Packing : End firmly capped; individually sealed in polythene covers and placed in thick card board boxes with thermo Cole or equivalent packing;  
Bulk supply to be packed in wooden box with pads and under covers, protected well against ingress of water and transit damages.
11. Inward Inspection : Verify name tag, name plate details, port size and test certificates.
12. Along with quotation, submit point by reply to this specification and also catalogues, sectional drawing, graphs and other details as necessary to verify the technical conformity to this specification.

PREPARED	CHECKED	APPROVED	DATE
 M. Anbazhagan	 S.V. Sivaramulu	 C. Palanisamy	24.03.2004

**REVISIONS:** Rev.01: Spec. revisited & converted to soft copy.