

BRIEF TECHINAL SPECIFICATION FOR 8" ROTARY AIR LOCK VALVE

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| 1. ITEM | ROTARY AIRLOCK VALVE (RAV) |
| 2. SIZE | 8" (200 mm) |
| 3. ROTOR DISPLACEMENT | 4.8 ltr/rev |
| 4. ROTOR RPM | 22 |
| 5. FILLING FACTOR | 0.7 |
| 6. No. OF BLADES | 8 Nos. |
| 7. ROTOR CONSTRUCTION | CAST IRON (OPEN) |
| 8. LEAKAGE RATE | |
| a) STATIC _____Nm3/hr | b) DYNAMIC _____ Nm3/hr |
| 9. CLEARANCES BETWEEN HOUSING AND ROTOR | 0.1 mm, END COVER & ROTOR 0.2mm |
| 10. DRIVE ARRANGEMENT RECOMMENDED | |
| a) DIRECT COUPLED WITH GEAR MOTOR. | |
| * b) COUPLED THROUGH CHAIN & SPROCKET | |
| c) COUPLED THROUGH `V' BELT & PULLEYS | |
| 11. M.O.C. | a) CASING - CI b) ROTOR - CI e) SHAFT - EN8 |
| | c) SEALS / GLANDS - Graphite Rings & Gunmetal Glands |
| | d) BLADE TIPS - Spring Steel / OHNS |
| 12. VENTING ARRANGEMENT | SIDE VENTING (IF REQUIRED) |
| 13. TOTAL WEIGHT - | |
| a) BARE VALVE: 68 kg. | b) WITH DRIVE: 100 kg. (if applicable) |
| 14. DETAILS OF PURGING ARRANGEMENT - (OPTIONAL) | |
| a) AIR QUANTITY - 10 lpm | b) PRESSURE - 3 bar |
| c) QUALITY - Dry moisture free (Instrument Quality) | |
| 15. SEALING TYPE | Stuffing box and Gland |
| 16. DISCHARGE CAPACITY | / H at 22 RPM |
| 17. BEARING ARRANGEMENT (OUTBOARD) | SIZE: 25 mm , MAKE- NTN |
| 18. BHP & RECOMMENDED HP, RPM | 1 HP Geared Motor, O/P RPM: 41 |
| 19. G. A. DRAWING | Attached with this SPECIFICATION |
| 20. MANUAL/CATALOGUE | Catalogue Attached |
| 21. CROSS-SECTIONAL DRAWING - ---- | |
| 22. HARDENING ON THE VALVE INTERNAL SERFACE- (OPTIONAL EXTRA) | Gas Nitrided upto 55-60RC |