BRIEF TECHINAL SPECIFICATION FOR 8" ROTARY AIR LOCK VALVE

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- Gas Nitrided upto 55-60RC (OPTIONAL EXTRA)

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