

Sr. No.	Description	Model / Make	Quantity Required
1	High Performance Butterfly Control Valve with Manual Hand Wheel Butterfly Valve body Valve size: 18", Flange Rating 300, End Connection: Wafer Material: SS(A351CF8M) Disc Material: SS316L Flow rate: 235,000 Kg/Hr Face to Face distance: 150mm Actuator: Pneumatic Valve Actuator spring return pneumatic diaphragm, with hand wheel Fail safe = Open Make: Avomo / Bettis or equivalent Positioner: Electronic Pneumatic positioner Supply: 4-20mA DC Ingress Protection: IP67 Protection Class: EExd ia IIC T6 Regulator: input pressure 10 Bar Set Pressure Range: 0.5 to 6 Bar with Metallic Bowl, Drain manual.	L-2- WA18030R000S91DA / Leusch or equivalent	01 (No.)

Detail specification is attached at page-3.

SPECIFICATION FOR HIGH PERFORMANCE BUTTERFLY CONTROL VALVE

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CAPACITY CONTROL VALVE:**QUANTITY: 01****1. BODY SPECIFICATION****Model:**

BUTTERFLY :
SIZE :
RATING :
CONN :
TRIM FORM :
CHARACT :
BONNET :
ACTION :
BODY TRIM :
SHAFT :
BEARING :
LEAKAGE CLASS:
SEAT :
SEAT & SEAL MATERIAL:

Make **LEUSCH** or *Equivalent*
L-2-WA18030R000S91DA)
HIGH PERFORMANCE, SS316L.
18"x18"
ANSI 300
WAFER (SMOOTH)
CONCENTRIC
THROTTLING
ST'D (DUST/SAND PROOF)
AIR TO CLOSE / AIR FAIL OPEN
SUS316L
SS316L
PTFE
TIGHT ANSI IV-V
METAL SEATED (SUS316L)
STAINLESS STEEL SEAT,
GRAPHITE SEAL

2. FACE TO FACE DISTANCE (BODY WIDTH) =150mm**3. ACTUATOR SPECIFICATION**

MODEL:
MIN. SUPPLY PRESSURE:
MAXIMUM DIAPHRAGM PRESSURE:
HAND WHEEL:

Make **AVOMO/BETTIS** or *Equivalent*
PNEUMATIC DIAPHRAGM SPRING RETURN
60PSIG (4.0Bar)
120PSIG (6Bar)
WITH MANUAL HAND WHEEL

4. ACCESSORIES

POSITIONER :
Protection class:.

ELETRO PNEUMATIC TYPE, INPUT 4-20 mA DC
(EExd ia IIC T4)

5. AIR REGULATOR WITH FILTER (INTEGRAL)

MAX. WORKING PRESSURE:
SET PRESSURE RANGE:
INLET/ OUTLET CONNECTION:
FILTER ELEMENT:
FILTER BOWL:
DRAIN:

10 Bar
0.5 - 6.0 Bar
1/4" NPT
BRASS
METALLIC
MANUAL

6. FLUID SPECIFICATION

FLUID : HUMID GAS
UNIT
FLOW RATE Kg/hour
TEMP. °C
Pressure Bar
Sp. Gr.

NORMAL
2300 00
30.00
20
31.33

Ambient Temp. 0-55 °C

MAXIMUM
260000
50.00
30
34.380

7. Detail along with quotation:

- Detailed drawing of Butterfly and Actuator must be attached with quotation.
- Face to Face (Body width) mentioned in quotation.
- Air fail must be open.
- C&F value should be mentioned in quotation.
- Quotation will be rejected without technical literature.

8. Detail along with supply:

- All wetted part must compliance with NACE MR-01-03
- Technical literature, maintenance & installation manuals are required in English.
- Recommended maintenance schedule [Preventive (PM), Predictive (PDM,)] by vendor in English is required.
- Material test certificate, pressure test certificate of valve body at 40 Bar and warranty Certificate is required.