

**CONTROLLED**

6521

SPECIFICATIONS :-

AIR CYLINDER :-

CYLINDER DIA. : 160mm  
STROKE : 300mm  
MAX. OPERATING PRESSURE : 9.8 Kgf/cm<sup>2</sup>  $\Delta$   
AMBIENT AND FLUID TEMP. : 0 TO 60°C.

FORCE AT PRESSURE 0.4 MPa THEORETICAL  
OUT : 820 Kgf  
IN : 775 Kgf  $\Delta$

SMART POSITIONER :-

SUPPLY PRESS. : 3 - 7 Kgf/cm<sup>2</sup>  $\Delta$   
INPUT CURRENT. : 4 TO 20 mA DC  
OUTPUT CURRENT. : 4 TO 20 mA DC  
LINEARITY : LESS THAN  $\pm 4\%$  OF F.S.  
AMBIENT & FLUID TEMP. : -20°C TO 80°C  
CABLE ENTRY : 1/2" BSP FEMALE  $\Delta$

LOCK UP VALVE

SIGNAL PRESSURE :- 1.4 ~ 7 Kgf/cm<sup>2</sup>  $\Delta$   
LINE PRESSURE :- 7 Kgf/cm<sup>2</sup> (MAX.)  
PROOF PRESSURE :- 10 Kgf/cm<sup>2</sup> (MAX.)  
AMBIENT TEMPERATURE :- -5° ~ 60°C

FILTER REGULATOR

FLUID :- AIR  
MAX. OPERATING PRESSURE :- 10 Kgf/cm<sup>2</sup>  
SET PRESSURE RANGE :- 0.5 TO 8.3 Kgf/cm<sup>2</sup>  $\Delta$   
AMBIENT AND FLUID TEMPERATURE :- -5° ~ 60°C  
NOMINAL FILTRATION RATING :- 5 MICRON  
PRESSURE GAUGE UNIT :- Kgf/cm<sup>2</sup>

POSITION MONITORING SWITCH :-

MAKE : PNEUCON (LSWP SERIES)  $\Delta$

TYPE : 2NO+2NC : 4 LIMIT SWITCH (1NO+1NC) (2 FORWARD & 2 REVERSE)

SWITCH RATING. : 5AMP. 125 OR 250VAC, 0.1AMP, 48VDC

PROTECTION : WEATHER PROOF, IP67

DISPLAY : OPEN/CLOSE

CABLE ENTRY : 1/2" NPT FEMALE  $\Delta$

NOTE:-

1) TUBING & FITTING MATERIAL : STAINLESS STEEL (SS316).

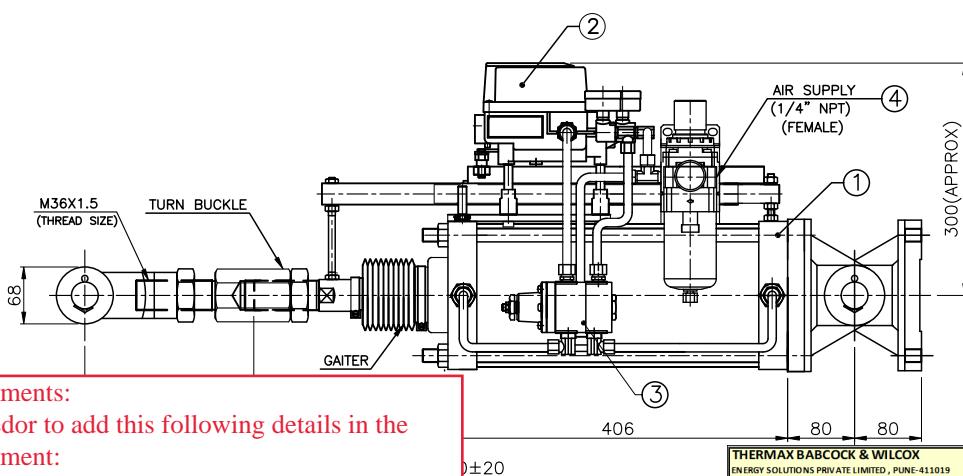
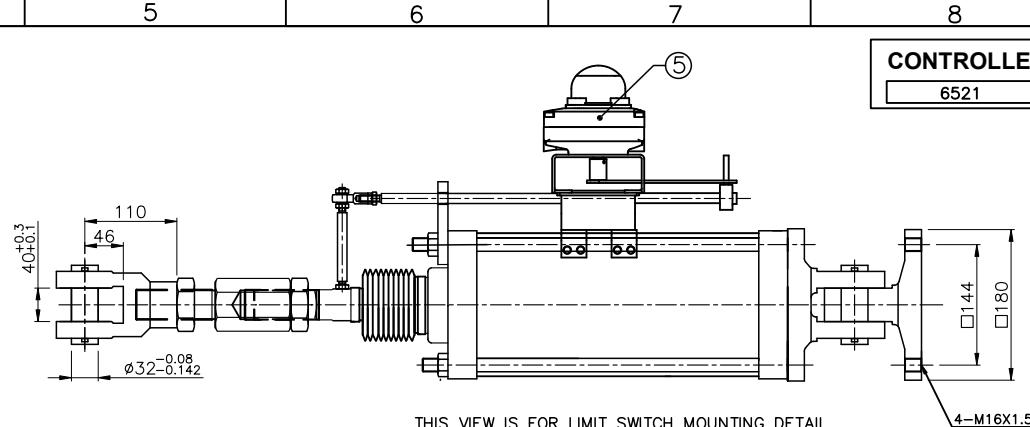
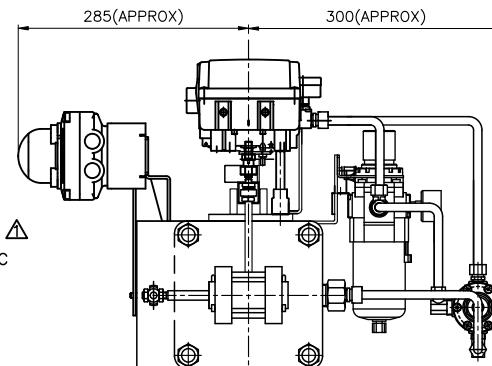
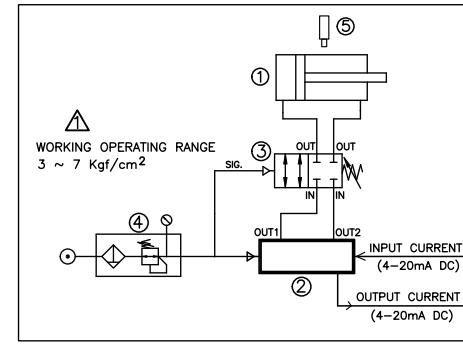
2) GENERAL ARRANGEMENT CAN CHANGE SLIGHTLY AT THE TIME OF ASSEMBLY

3) ASSEMBLY MOUNTING POSITION : HORIZONTAL DUE TO FILTER BOWL  
ASSEMBLY DOWNWARD FOR WATER ACCUMULATION.

4) CHARACTERISTICS RELATING TO ACCURACY MAY DIFFER FROM VALUE MENTION  
IN STD CATALOGUE & EXACT VALUE CAN BE TESTED AFTER ASSEMBLY.

5) AIR FAIL SAFE : STAY PUT  $\Delta$

6) SIGNAL FAILURE (4 TO 20mA) : PISTON ROD RETRACT  $\Delta$



**Comments:**

1) Vendor to add this following details in the document:

Tag No: 11-PY-200

Service: ID Fan Suction Damper Actuator

Positioner: 11-ZT-200

Open limit Switch: 11-ZSO-200

Close Limit Switch: 11-ZSC-200

2) Vendor to mention the operating time.  
(retraction and extraction)

3) Power cylinders shall be identified by the tag number on a SS tag permanently Attached to a non-pressure part such as the yoke. Similarly, each Cylinder shall have Tag plate details

THERMAX BABCOCK & WILCOX ENERGY SOLUTIONS PRIVATE LIMITED, PUNE-411019					
CLIENT NAME : KIRLOSKAR FERROUS INDUSTRIES LM - MECH. ENGG. JOB NO : PL2061/PL2062 P - PROCESS. ENGG. E - E & I ENGG.					
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> APPROVED		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> APPROVED AS COMMENTED & RESUBMIT		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> HOLD		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> RESUBMIT FOR APPROVAL		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> RETAINING INFORMATION		
THIS APPROVAL DOES NOT RELIEVE THE PURCHASER OF THE RESPONSIBILITY TO MEET PURCHASE ORDER CONDITIONS RELATED TO SPECIFICATIONS, MATERIALS, DESIGN, CONSTRUCTION AND DELIVERY REQUIREMENTS.					
E : PL2061-I3500001 NO. : PL2061 ER : KIRLOSKARFERROUS INDUS					
Format No. TWIS-ENG-STM-001 DATE : 6-10-23 5:13 PM OKD : AMK APPD : SDG					
Remark / note : All the make of instrument shall be as per the approved vendor list.					
NOT OR AGREEMENT WITHIN THE PRODUCT SPECIFICATIONS, THE SAFETY ED. PLEASE CONTACT YOUR LOCAL SMC SALES OFFICE FOR FURTHER DETAILS."					
NAME	DATE	TITLE	MATERIAL:		
Varan	31/03/2022	AIR CYLINDER WITH SMART POSITIONER	SMC-STD		
Varan	31/03/2022		DRG.NO.		
Varan	31/03/2022		X1A40002D		
Vareraj	31/03/2022	PART NO.	PROJ.	SCALE	
Vareraj	31/03/2022	CDS2D160-300J-SP-X1A40002D			NTS
Vareraj	31/03/2022		CONTROL NO.	SHEET	REV.
C SMC CORPORATION (INDIA) PVT. LTD. A-4, SEC-88, NOIDA - 201305 (U.P.) INDIA					
1 OF 1					