



SEQUENCE OF OPERATION

1. DUST LADEN AIR OR GAS ENTERS THE DUST COLLECTOR THROUGH THE INLET.
2. AIR PASSES THROUGH THE FILTER MEDIA WHILE SOLID ARE RETAINED ON THE MEDIA'S SURFACE.
3. A SIGNAL FROM THE TIMER ACTUATES THE OPENING OF THE NORMALLY CLOSED SOLENOID VALVE.
4. OPENING OF THE SOLENOID VALVE RELEASE THE AIR PRESSURE IN THE TUBE CONNECTING THE SOLENOID TO THE DIAPHRAGM VALVE, CAUSING THE VALVE TO OPEN.
5. A MOMENTARY PULSE OF COMPRESSED AIR FLOWS FROM THE AIR HEADER DOWN THE PURGE PIPE AND OUT INTO EACH FILTER BAG. THIS MOMENTARY PULSE TAKES ALL BAGS IN ONE ROW OFF LINE THROUGH PRESSURE REVERSAL.
6. SOLIDS ARE RELEASED TO FALL INTO THE FILTER HOPPER OR BIN
7. FILTERED AIR EXITS THROUGH THE CLEAN AIR PLENUM EXHAUST.

GENERAL NOTES:

1. All Dimensions are in millimeter unless specified.
2. Blower Rotation is always viewed from drive side, if applicable
3. All weld joints will be wire brushed and cleaned for spatters and oils if any.
4. All gas cut edges will be rounded to a smooth surface.
5. All bolt holes will be off center to the main center lines of the Housing.
6. Over All dimensions may vary by 5-10 mm after final fabrication and actual assembly.
7. As built deviation to be reported to design department for records.
8. Item shown in color GRAY & phantom line are in customer scope.

PAINTING NOTES:

1. SURFACE PREPARATION - MANUALLY CLEANED
2. PRIMER : 1 COAT OF PRIMER (20 MICRON)
3. PAINT : SYNTHETIC ENAMELED PAINT 2 COATS (TOTAL 60 DFT)
4. SHADE : RAL _____ FOR DUST COLLECTOR
5. RAL 1021(YELLOW/GOLDEN) FOR LIFTING LUG, PROTECTION GUARD, LADDER, RAILING AND PLATFORM (IF APPLICABLE).

0	RELEASED FOR APPROVAL	DATE	DRN/APPD
REV	REVISION NOTE	DATE	DRN/APPD
REVISION HISTORY			
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P.O. NO:	MATERIAL :	TOTAL WEIGHT
CLIENT:	QUANTITY :	
TITLE: ONLINE FILTER SCHEMATIC		SIGN DATE
DRN BY	BHAVESH	
CHD BY	VJM	
APPD BY	MDP/CDP	
DRG. NO:	SCALE	NTS
TECHFLOW ENTERPRISES		PROJECTION SHEET
PVT. LTD. AHMEDABAD.		REV. NO 0