

DESCRIPTION OF LINT FILTER OPERATION

Your new Energenics Lint Filter operated with a UL approved control represents the most advanced features available in the laundry industry to date. The following list the functions and mode of operation:

Blowdown (cleaning) – The Lint Filter will monitor the system backpressure and automatically initiate the blowdown cycle. As the screen loads with lint, the back pressure will increase and will result in an automatic blowdown (cleaning) when the backpressure reaches a set reference (default is .5" w.c.). The lint filter will also blowdown at the end of every dryer cycle to insure complete screen cleaning when dryers are turned off. 70% of the lint will be removed from the screen even though the dryer(s) may be operating. During the blowdown with dryers off, 100% of the lint will be removed from the screen. A manual blowdown can also be done by depressing the button on the bottom of the Lint Filter control. **Note that automatic blowdown cannot occur within 20 seconds of a prior blowdown.** This is done to allow the compressed air supply to partially recover.

Optional Excess Pressure Alarm – If for any reason the Lint Filter has not blown down properly (i.e.: compressor turned off) the system will sense a higher backpressure than normal. In this event the siren and the strobe light both activate. The Filter control will attempt to blowdown every 20 seconds until the excess backpressure condition has terminated. If this condition persists, a manual inspection of the lint screen and observation of proper blowdown must be done.

Optional Fire Control System – A normally open sensor located inside of the filter at the top of the inlet will close at 275 degrees F. The control will open the water solenoid, illuminate the strobe as well as energize the siren. The alarm will be active until 30 seconds after the temperature has dropped below 275 degrees F. After 30 seconds the alarm will automatically reset. Inside the control box is a Fire Control test button. Depress the button and the Fire Control will be activated for the duration the button is pressed. The function of the test button is to check the circuit. It does not test the sensor itself. Using a propane torch to the sensor will test the complete system.

LINT FILTER CONTROL SEQUENCE OF OPERATION

1. **Dryers Operating** When backpressure reaches the field adjustable setpoint (default .7" W.C.) the air blowdown solenoid is activated for 10 seconds. There is a field adjustable delay (default 10 seconds) before the blowdown will occur. The air solenoid will continue to activate for 10 seconds at 3 minute intervals until backpressure is below the field adjustable setpoint. The 3 minute interval will allow the compressor to refill.
2. **Dryers Excess Pressure Alarm When Operating** When backpressure reaches the field adjustable setpoint (default 1.5" W.C.) the warning indicator horn and light will be activated continuously until the backpressure drops below the field adjustable setpoint.
3. **After Dryers Turn Off** When backpressure drops to 0" W.C. the air blowdown solenoid is activated for 10 seconds. There is a field adjustable delay (default 10 seconds) before the blowdown will occur. This should occur only 1 time when all the dryers are off. This should reset only when 1 or more dryers turn on and not until the backpressure reaches .7" W.C. (Field Adjustable).
4. **Manual Blowdown Operation** When the button on the bottom of the filter control is depressed, the air blowdown solenoid is activated for 10 seconds. The control will require 3 minutes before another manual blowdown can be completed.
5. **Fire Control** If the temperature exceeds 260 degrees Fahrenheit the water solenoid will open and the warning indicator horn and light will be activated continuously until the temperature goes below 260 degrees Fahrenheit for 30 seconds. At which point the fire control will completely reset.
6. **Manual Fire Control Test** Inside the filter control is a black button. When the button is depressed the water solenoid will open and the warning indicator horn and light will be activated as long as the button is pressed.
7. **Timed Interval Blowdown** At a timed interval (default 2 hours) the air blowdown solenoid is activated for 10 seconds.
8. **Optional Vacuum Output** When the Air Solenoid is activated a 24 VDC output on Blowdown 2 activates. If the lint filter is equipped with the Energenics lint evacuation vacuum system this operates the vacuum system and opens the gate valve on the filter for 20 seconds. The timer starts at the same time the air solenoid is activated.

OUTPUTS FROM FILTER CONTROL

Q1-Water Solenoid Valve
Q2-Air Solenoid Valve
Q3-Optional Vacuum Output

RECEIVING AND INSTALLATION

Before you sign the Bill of Lading:

1. Receiving- Inspect units inside and out for signs of damage
Verify all components are delivered per the Bill of Materials.

Report damage to the carrier IMMEDIATELY.

Note ALL damage on the Bill of Lading.

This is your responsibility and you must file all claims.

The filter is fully assembled and ready for installation. The control, valves, and lint bag are in the cardboard box.

2. Installation- Follow instructions herein:

Determine the location with reference to minimum duct work from the dryer and ease of access for inspection.

If using a lint drop pipe allow enough room for lint to travel down 4' before the first bend. Max bend angle is 30 degrees.

If using lint bag or container make sure adequate clearance is allowed.

Conduit or Sealtight between filter junction boxes should be $\frac{3}{4}$ inch.

Dependant on options ordered, not all outputs will have connected components.

If the Fire Control Option is NOT ordered the installer must supply a junction box to connect the wires from the solenoid valve to the Control Box.

When mounting the filter overhead, mount the control below the filter where it can be easily accessed.

If this Lint Filter has a downstream fan, do not use the supplied lint bag. You must use a flexible connector and rigid drum (drum sourced locally). If we supplied the fan then we will have the flexible connector in the box.

IMPORTANT INSTALLATION CONSIDERATIONS

All Energenics Lint Collectors can be mounted indoors or outdoors. If it is mounted outdoors we recommend our Side Discharge or a field installed swept radius elbow (Gooseneck). Do not use a conical cap on the filter exhaust discharge. All solenoid valves should be located inside the building. Also, mount the supplied air pressure gauge at the blowdown pipe on top of the filter.

All solenoids should be mounted as close to the filter as possible, but ALWAYS inside the building. This will allow most of the air and water (if equipped with optional Fire Control) piping to remain pressure charged for most efficient operation.

All wiring should be a minimum of 18 gauge for proper operation.

The Filter Control box should be located in a position to be easily seen and in close proximity to personnel. In other words if the Filter Control is located outdoors, 20 feet in the air or in another room away from the laundry personnel, this would be the wrong location. Lint Filter controls should never be mounted outdoors.

Since the Filter uses compressed air it is important that the air receiver (if equipped) be located as close to the filter as possible. The longer the pipe runs the more restrictive. You will need to increase the pipe diameter if the run is very long (e.g.: 60 feet).

If the installation is a multi-dryer/multi-duct installation it may be necessary to use backdraft dampers to prevent lint backflow into the ducts of turned off dryers. Most dryers have them available as standard equipment or can be ordered to add on.

After everything is mounted and utilities turned on press the manual blowdown button located on the bottom of the Filter Control. The rotor on the inside the lint filter should spin. Make sure that the air pressure at the filter starts out at 100 and ends at about 60 at the end of the blowdown cycle. If it is too low the rotor won't turn.

If the Filter is equipped with Fire Suppression, the test button is on the inside of the Filter Control. It is on the inside to keep people from pushing the button as they walk by. When the button is pushed the strobe and siren will go on along with the water solenoid valve. The system operates until the button is no longer depressed.

WARNINGS AND CAUTION

You have purchased the finest lint filter available for your facility. Please follow these instructions to ensure a safe long life for your filter and facility.

FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN AN UNSAFE OPERATING CONDITION, INCLUDING THE POSSIBILITY OF FIRE.

DO NOT OPERATE ANY DRYER CONNECTED TO THIS FILTER WITHOUT BEING CERTAIN THE FILTER STARTUP HAS BEEN COMPLETED AND THE FILTER IS IN OPERATING CONDITION.

Insure it is installed in compliance with local codes.

- Step 1. Install the compressed air (Fire suppression plumbing if ordered), and piping system(s) including solenoid valves. If the filter is in position, make all final connections.
- Step 2. Mount the 007 control in a visible location on a solid vibration free surface and connect all components.
- Step 3. Provide dedicated 120-240V single phase electrical service to the PLC and test all systems
- Step 4. Install sheet metal and ducting.

START UP AND OPERATION INSTRUCTIONS

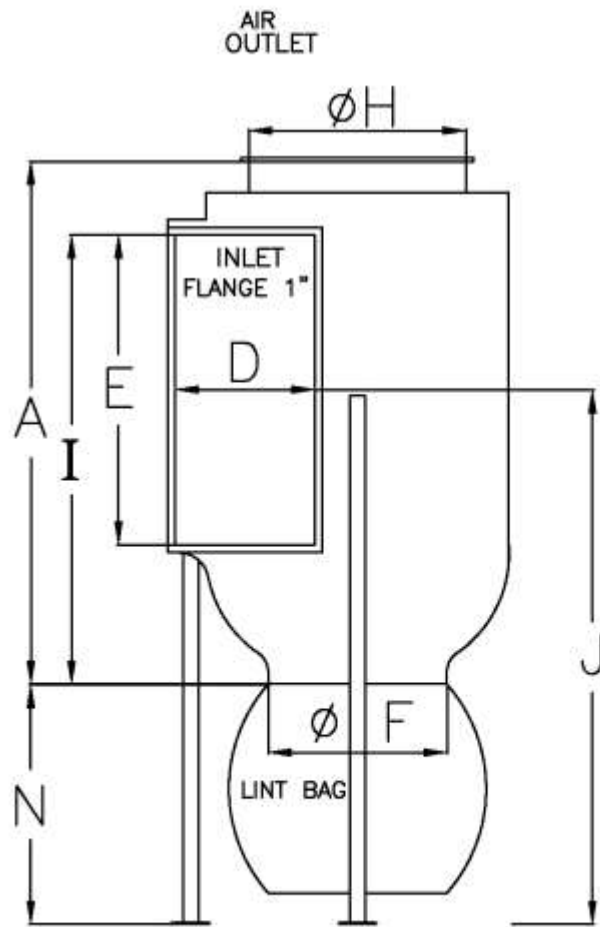
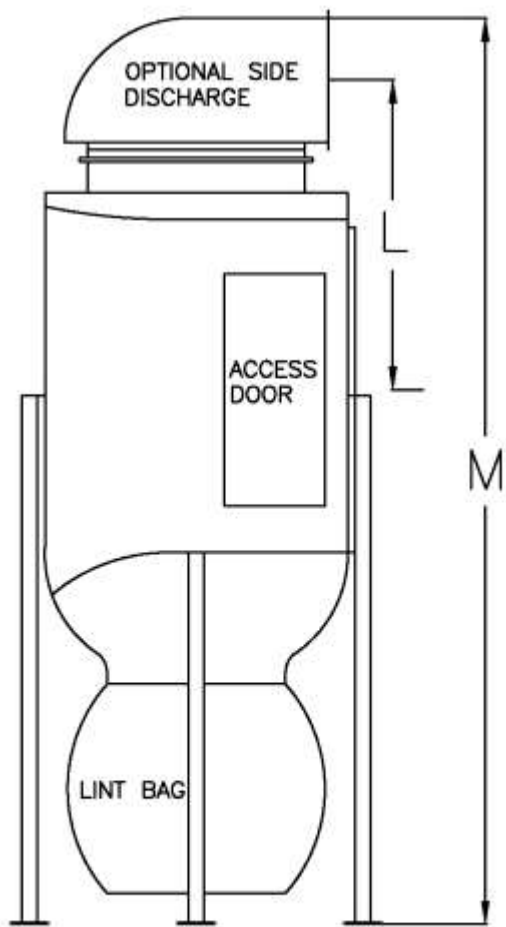
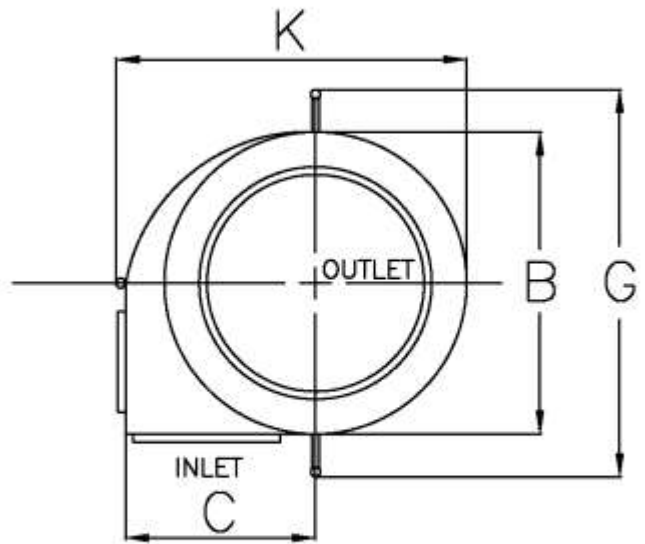
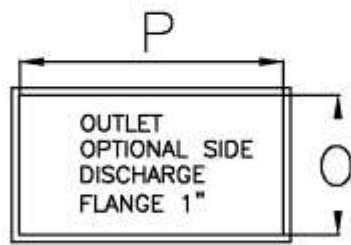
Inspect the filter installation. Is it complete? Review the entire installation requirements prior to startup.

- 1. Verify the 007 control wiring.
- 2. Test the blow down cycle (push manual button on control). Watch the pressure gauge. It should start around 100psi and should not drop below 60psi during the 10 second cycle.

The rotor should turn 6-12 times during blow down. The rotor propulsion is adjustable by increasing the number of horizontal holes on the top horizontal portion of the rotor end.

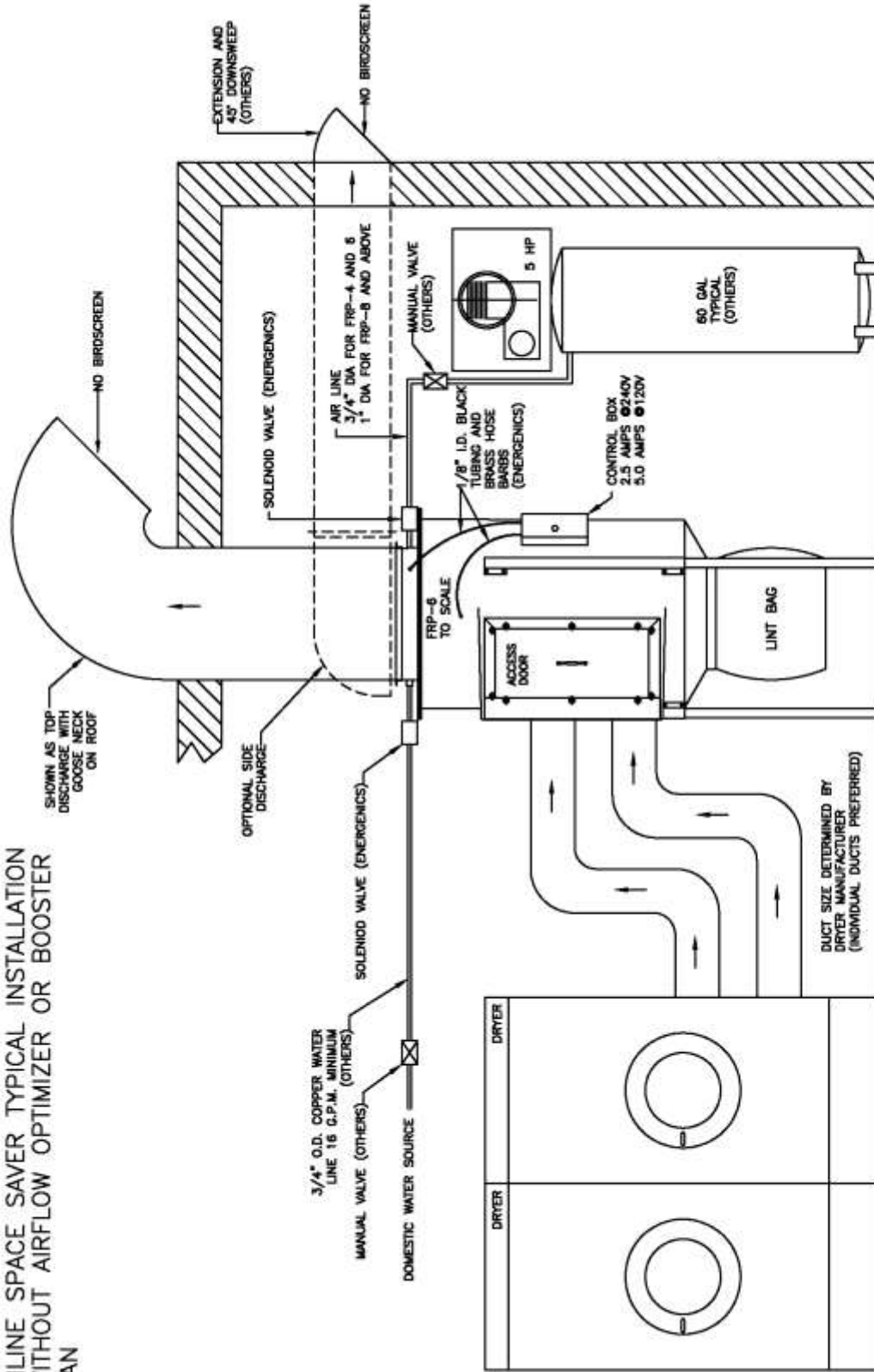
- 3. Review maintenance requirements and establish a regular PM schedule.

**CAUTION - DO NOT OPERATE FILTER WITH BOOSTER FAN WITHOUT BAROMETRIC DAMPER OR VARIABLE SPEED DRIVE!!!!!!!
(CONSULT PAGE 15)**



Model#	FRP-4	S-4	FRP-6	S-6	FRP-8	S-8	FRP-10	S-10	FRP-15	S-15	FRP-20	S-20	FRP-25	S-25	FRP-30	S-30	FRP-40	S-40
CFM	4,000	4,000	6,000	6,000	8,000	8,000	10,000	10,000	15,000	15,000	20,000	20,000	25,000	25,000	30,000	30,000	30,000	30,000
Screen																		
Area	18	18	20	20	40	40	36	36	40	40	49	49	86	86	96	96	108	108
Sq. Feet																		
Oper.	95	130	180	300	200	310	170	370	210	410	450	750	475	775	515	790	550	820
Wt. Lbs.																		
Ship Wt.	140	160	220	350	260	380	280	400	350	490	530	850	555	875	585	890	610	920
Lbs.																		
A	52	52	60.0	52.0	94.5	94.5	67.0	59.0	63.0	61.0	80.0	75.0	81.0	88.0	81.0	88.0	81.0	88.0
B	27	27	32.0	36.5	30.0	30.0	44.0	40.0	48.0	48.0	56.0	56.0	84.0	84.0	84.0	84.0	84.0	84.0
C	15	15	22.0	22.0	18.0	18.0	30.0	29.0	39.0	33.0	46.0	40.0	45.0	45.0	45.0	45.0	45.0	45.0
D	12	12	20.0	12.0	12.0	12.0	24.0	16.0	32.0	24.0	36.0	24.0	44.0	44.0	44.0	44.0	44.0	44.0
E	30	30	30.0	36.0	56.0	56.0	40.0	46.0	40.0	46.0	50.0	58.0	56.0	56.0	56.0	56.0	56.0	56.0
F	27	27	20.0	30.0	27.0	27.0	23.0	20.0	29.5	24.0	28.0	24.0	30.0	30.0	30.0	30.0	30.0	30.0
G	30	30	36.5	35.0	34.0	34.0	50.0	46.0	58.0	52.5	64.0	64.0	94.0	94.0	94.0	94.0	94.0	94.0
H	16	16	24.0	20.0	26.0	26.0	28.0	28.0	30.0	30.0	34.0	34.0	48.0	48.0	48.0	48.0	48.0	48.0
I	42	42	43.0	42.0	62.0	62.0	57.0	53.5	52.0	56.0	72.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
J	51	51	56.0	48.0	36.0	36.0	61.0	54.5	56.0	57.0	52.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
K	28	28	38.0	37.0	33.0	33.0	48.0	49.0	65.0	57.0	67.0	68.0	94.0	94.0	94.0	94.0	94.0	94.0
L	34	34	43.0	37.0	69.0	69.0	40.0	38.5	41.0	38.0	51.0	48.0	61.0	61.0	61.0	61.0	61.0	61.0
M	92	92	98.0	92.0	134.0	134.0	109.0	101.0	105.0	103.0	131.0	125.0	140.0	140.0	140.0	140.0	140.0	140.0
N	24	24	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
O	14	14	14.0	14.0	14.0	14.0	16.0	16.0	16.0	16.0	24.0	24.0	30.0	30.0	30.0	30.0	30.0	30.0
P	24	24	32.0	24.0	30.0	30.0	39.0	39.0	40.0	40.0	48.0	48.0	60.0	60.0	60.0	60.0	60.0	60.0

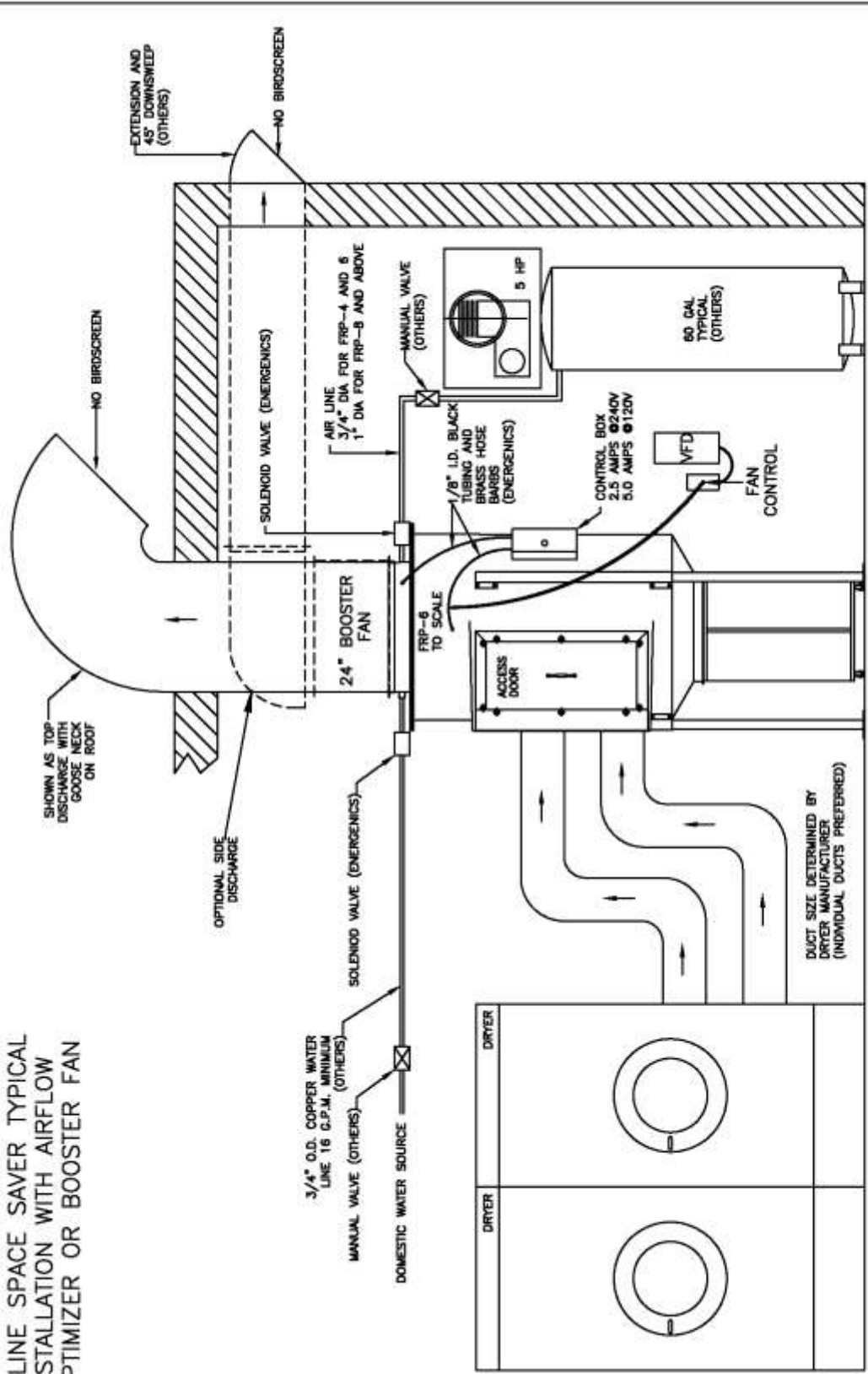
INLINE SPACE SAVER TYPICAL INSTALLATION WITHOUT AIRFLOW OPTIMIZER OR BOOSTER FAN



THE NUMBER OF DRYERS DEPENDS ON THE FILTER C.F.M. CAPACITY

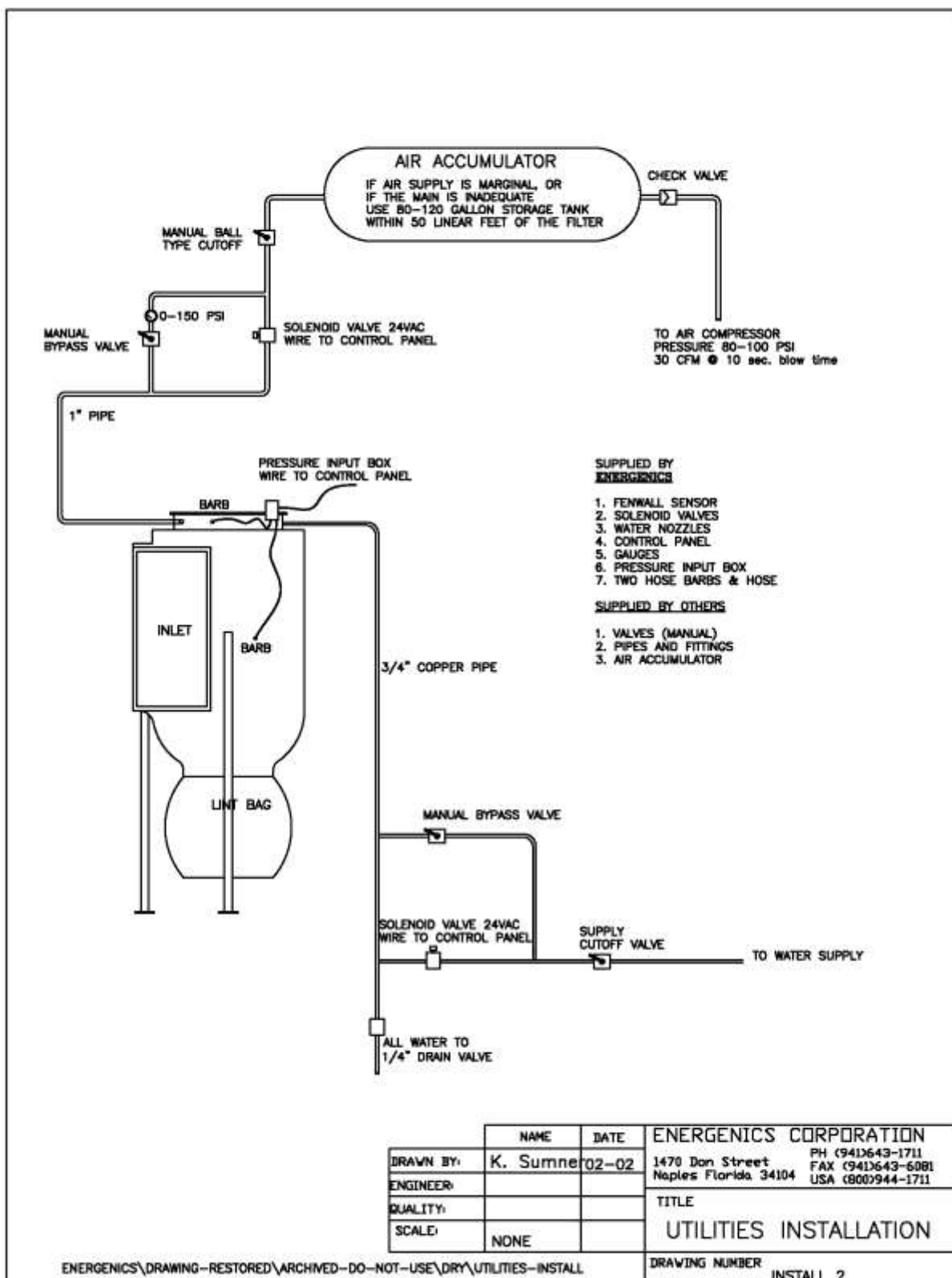
ENERGENICS CORPORATION			
NAME	DATE	1479 Dan Street	
REV	REV	Revlon Form 3404	
DRAWN BY			
ENGINEER			
QUALITY			
SCALE			
DRAWING NUMBER ENERGENICS/PRODUCT BROCHURES/NEW BROCHURE DRAFTS/INLINE SPACE SAVER TYPICAL INSTALLATION			
TITLE INLINE SPACE SAVER TYP. INSTALLATION			

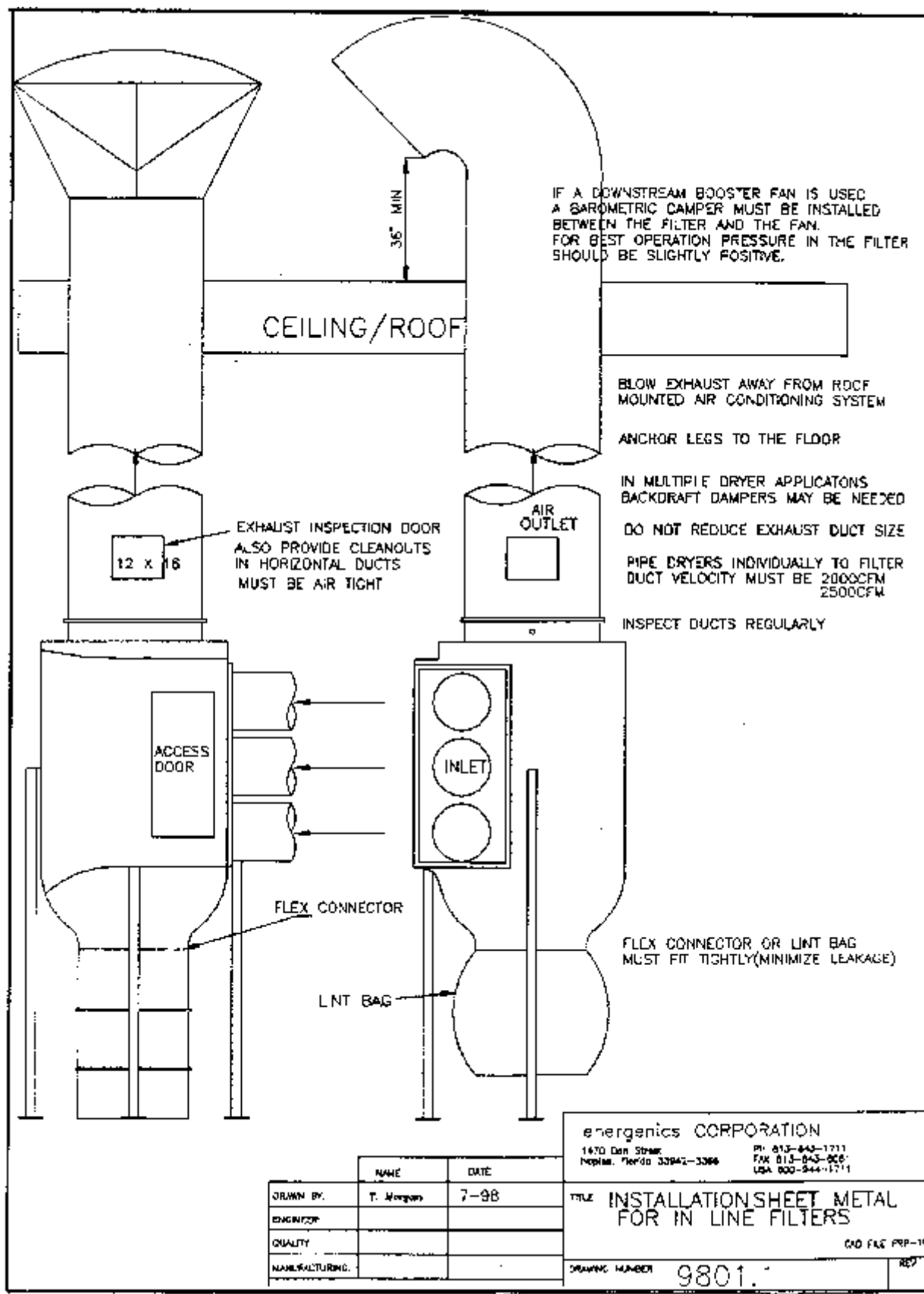
INLINE SPACE SAVER TYPICAL INSTALLATION WITH AIRFLOW OPTIMIZER OR BOOSTER FAN



THE NUMBER OF DRYERS DEPENDS
 ON THE FILTER C.F.M. CAPACITY

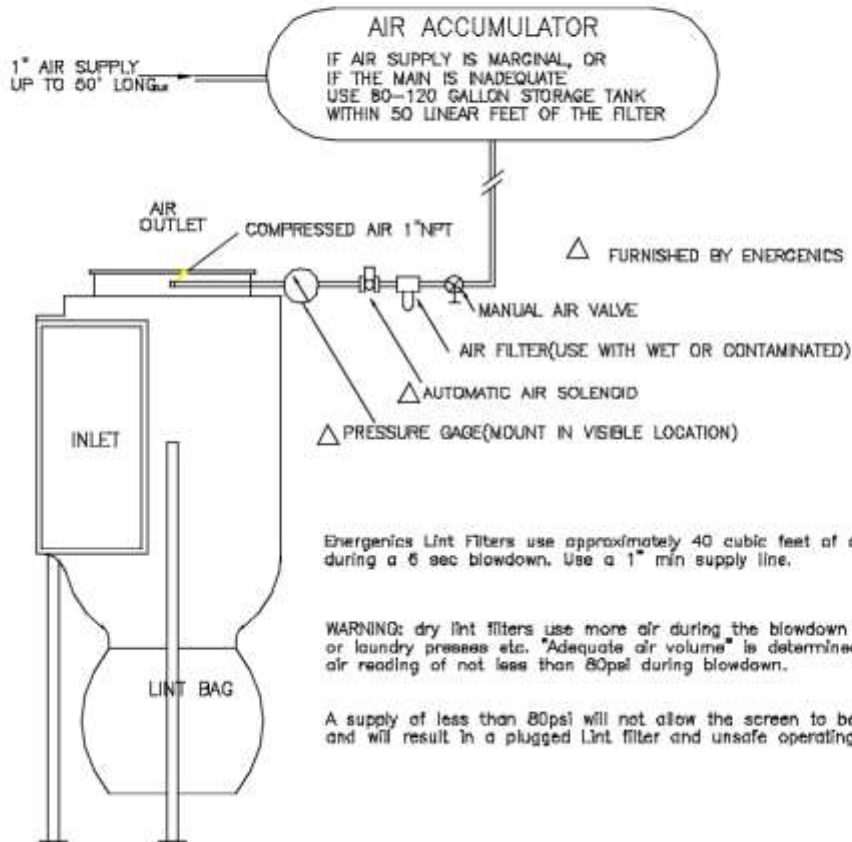
ENERGENICS CORPORATION			
NAME	DATE	1475 10th Street	
DESIGN BY	REV	8/1/8	Medium Format 24x36
DRAWN BY			
QUALITY			
SCALE			
DRAWING NUMBER ENERGENICS/PRODUCT BROCHURES/NEW BROCHURE DRAFTS/INLINE SPACE SAVER TYPICAL INSTALLATION			
TITLE INLINE SPACE SAVER			
TYP. INSTALLATION			





COMPRESSED AIR REQUIREMENTS

AIR SHOULD BE SUPPLIED TO THE FILTER AT 100psi
AND SHOULD NOT DROP BELOW 80psi AFTER THE 6 sec blowdown



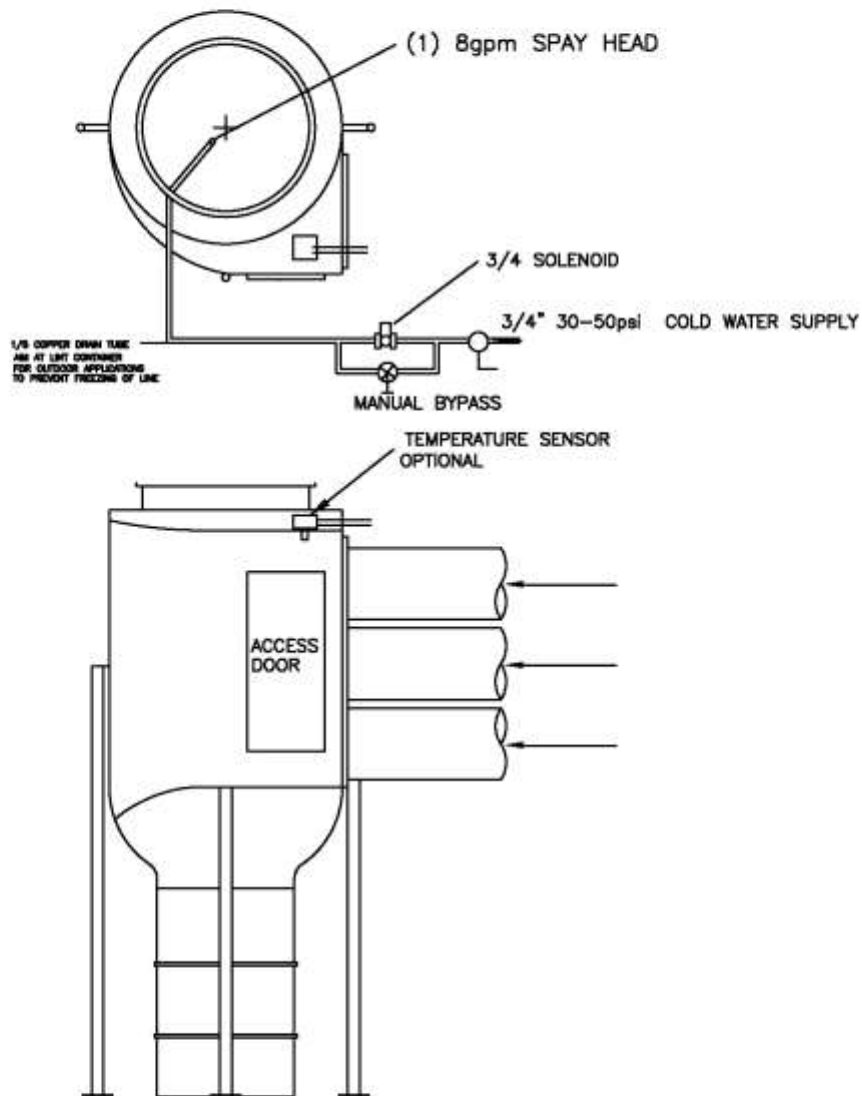
Energenics Lint Filters use approximately 40 cubic feet of compressed air at 100psi during a 6 sec blowdown. Use a 1" min supply line.

WARNING: dry lint filters use more air during the blowdown than washers or laundry presses etc. "Adequate air volume" is determined by a compressed air reading of not less than 80psi during blowdown.

A supply of less than 80psi will not allow the screen to be cleaned automatically and will result in a plugged Lint filter and unsafe operating conditions.

			energenics CORPORATION	
			1470 Don Street Naples, Florida 33942-3386	
			PH 813-843-1711 FAX 813-843-6081 USA 800-844-1711	
DRAWN BY:	E. Morgan	7-98	TITLE	COMPRESSED AIR REQUIREMENTS
ENGINEER:				
QUALITY				
MANUFACTURER:				
			DRAWING NUMBER	9801.2
			REV	

PLUMBING FOR FIRE SUPPRESSION OPTION 41



	NAME	DATE
DRAWN BY:	F. Jorgensen	7-98
ENGINEER:		
CHECKED:		
MANUFACTURING:		

energenics CORPORATION

1470 Don Street
Naples, Florida 33942-3386

PH 813-843-1711
FAX 813-843-8081
USA 800-844-1711

TITLE
**FIRE SUPPRESSION
WATER SYSTEM**

CAD FILE FWP-10

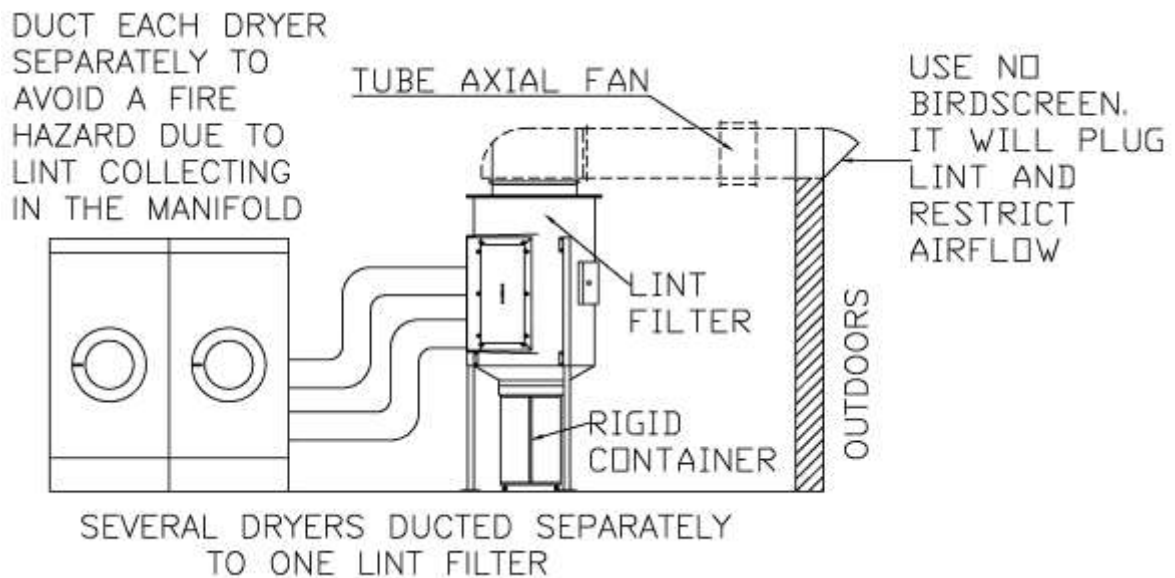
DRAWING NUMBER **9801.3**

REV

ENERGENICS\DRAWING-RESTORE\ARCHIVED-JD-NOT-USE\DRY\9801.1.2.3.dwg-B-6-V

PROPER APPLICATION OF LINT FILTER ON DRYERS WITH BOOSTER FANS

Introduction: Sets of 35lb. /150lb. Dryers are normally installed with only the lint drawer underneath the dryer, which does not collect all of the lint. The lint which bypasses the drawer collects in the ductwork and becomes a fire hazard. This hazard can be eliminated by adding an Energenics Lint Filter as shown below, with a booster fan equipped with a Variable Frequency Drive to overcome the resistance of the long ductwork to relieve any vacuum inside the lint Filter.



Application: Provide a booster fan if the ductwork is excessive. Balance the airflow through the systems with all dryers running (i.e. slight positive pressure on the outlet of the lint filter). This will allow the rated airflow through each dryer and each dryer will run well (one can measure the actual airflow with a pitot tube, if necessary). This will allow the dryers to work as designed and the lint to fall off the lint screen, as designed.

Energenics supplies the Booster Fan controlled with a Variable Frequency Drive monitoring back pressure equipped with a pressure transducer to allow the Variable Frequency Drive to operate in PID mode. The back pressure should be between 0" - .12" W.C. Default value is .12" W.C. Energenics can supply this package as a system branded "Airflow Optimizer".

Locate Lint Filter as near as possible to the dryers to collect all the lint before it accumulates in the duct system, to keep the duct system free of lint. The recommended location of the fan is close to the filter on the discharge side.

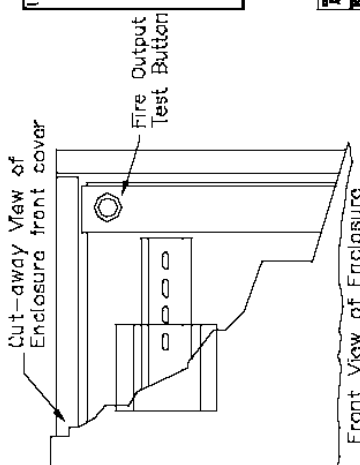
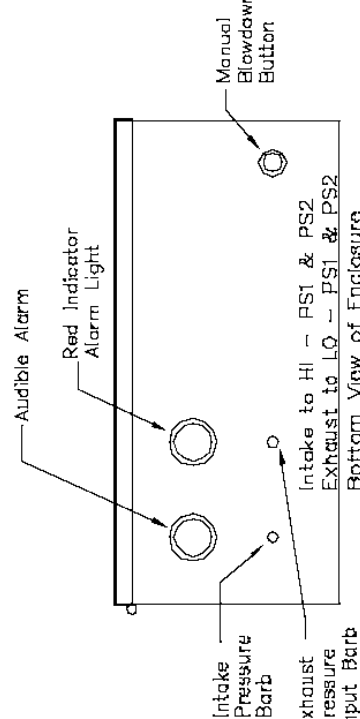
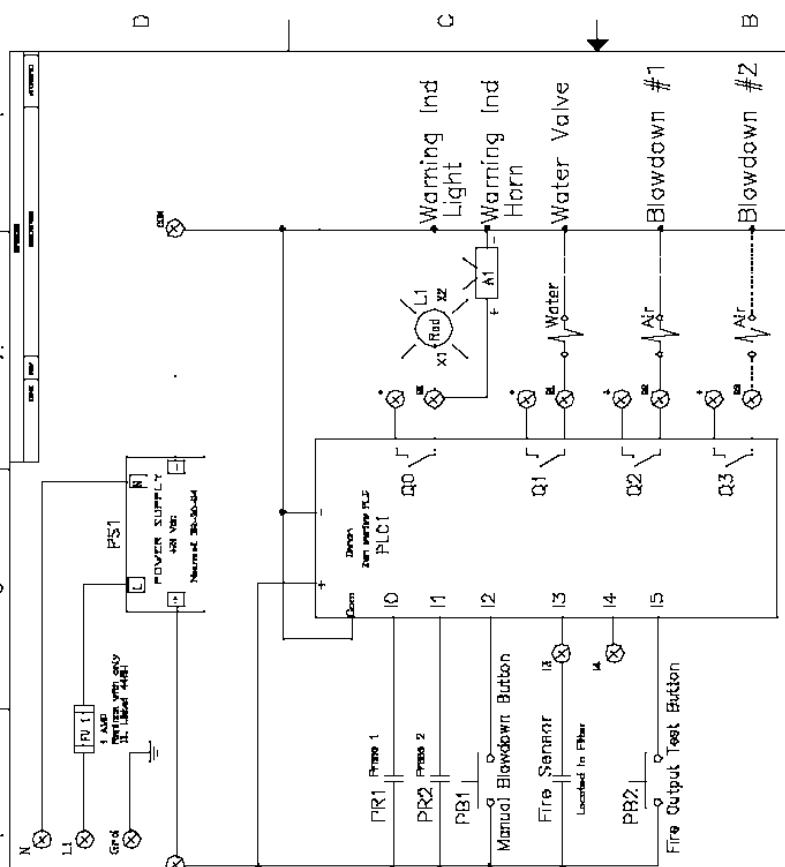
AS BUILT DWG

Branch Circuit Protection
Provided by Others
and is mounted external
to the control panel

CONTROL PANEL BILL OF MATERIAL

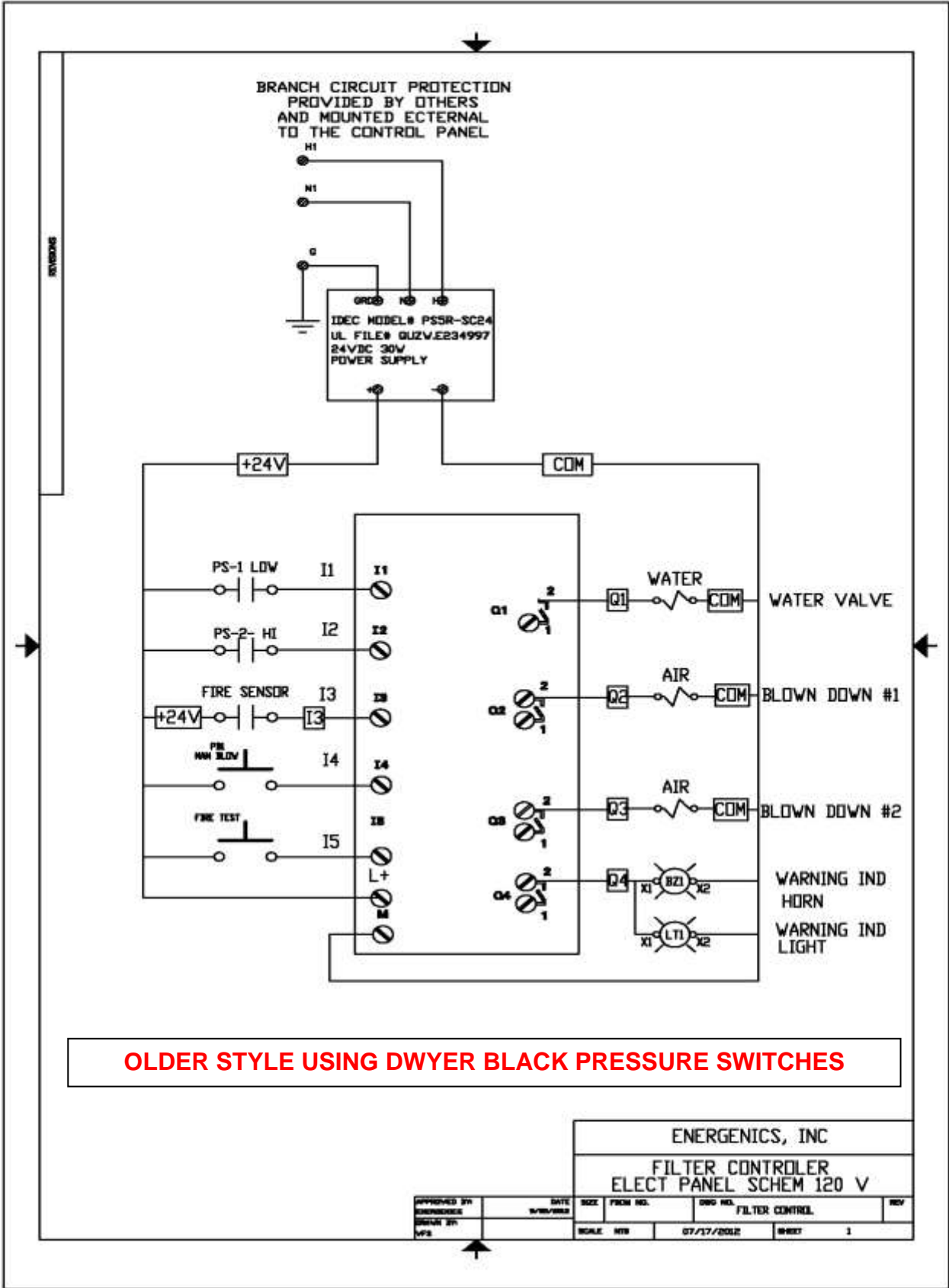
Tao Name	Qty	Description	Manufacturer	Part #
PLC1	1	Enclosure 12X12X6 W/ MODS	Austin	12126SM
PS1	1	Zen PLC	Omron	ZEN-10C1DR-D-V2
	1	Power supply	Meanwell	DR-30-24
	16	LUKEN TERMINAL BLOCK	Phoenix	3004362
	3	END COVER	Phoenix	3003020
	4	END STOP	Phoenix	0800886
	1	USLKG5 GROUND BLOCK	Phoenix	0441504
	2	LUKEN blank marker strips	Phoenix	1051003
	1	FAIRG-6Lumber bridge	Phoenix	0203250
FU1	0.33	DIN RAIL NS357.5 (2 METER LENGTH)	Phoenix	0801733
	1	Fuseholder	Phoenix	3004171
A1	3	WIREWAY 2 OH X1.5W (6 FT LENGTH)	Phoenix	T1-1010-G
	1	Audible alarm	Sigma works	B13S-24Vdc
	1	30MM 24VDC RED PILOT LIGHT	Sigma works	KL3BRDR-D2S
PR1-PR2	2	Pressure Transducer	Dwyer Inst	MDA-111
PB1-PB2	2	T1-Hose barb 1/8"	McMaster Carr	5403433
	2	Momentary Switch	Digi key	EG 2021-ND
	2	1/8" thru panel hose barb fitting with hardware	Mcm-Co	1/4 BK-3
	2	Pressure Transducer mfg bracket	Banner	SMB18A

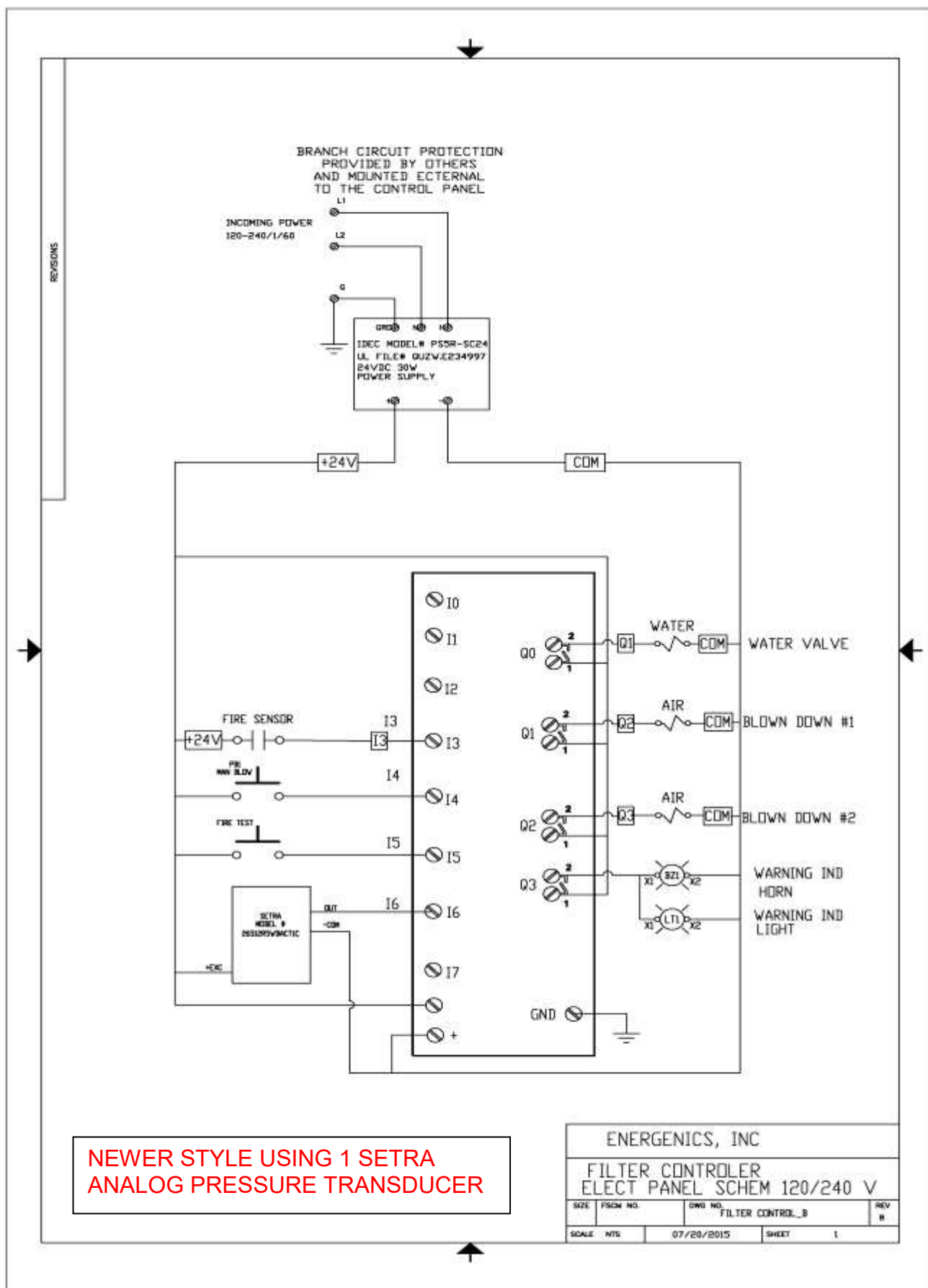
NOTE:
FIELD WIRING TERMINALS
USE COPPER 60 DEG C MINIMUM WIRE
TORQUE ALL FIELD WIRING TERMINALS
TO 7 IN-LBS



ISC
Integrated Systems & Controls, Inc.
Parallel built by ISC, Inc.
Voltage - 120vac 1-phase
Total FLA - 1 amp
Frequency - 60Hz
Type 1

Energencies Inc.
WATER-1
Filter Control Panel
ELECT PANEL SCHED. 120 volt
PS1 PS2 PS3 PS4 PS5 PS6 PS7 PS8 PS9 PS10 PS11 PS12 PS13 PS14 PS15 PS16 PS17 PS18 PS19 PS20 PS21 PS22 PS23 PS24 PS25 PS26 PS27 PS28 PS29 PS30 PS31 PS32 PS33 PS34 PS35 PS36 PS37 PS38 PS39 PS40 PS41 PS42 PS43 PS44 PS45 PS46 PS47 PS48 PS49 PS50 PS51 PS52 PS53 PS54 PS55 PS56 PS57 PS58 PS59 PS60 PS61 PS62 PS63 PS64 PS65 PS66 PS67 PS68 PS69 PS70 PS71 PS72 PS73 PS74 PS75 PS76 PS77 PS78 PS79 PS80 PS81 PS82 PS83 PS84 PS85 PS86 PS87 PS88 PS89 PS90 PS91 PS92 PS93 PS94 PS95 PS96 PS97 PS98 PS99 PS100 PS101 PS102 PS103 PS104 PS105 PS106 PS107 PS108 PS109 PS110 PS111 PS112 PS113 PS114 PS115 PS116 PS117 PS118 PS119 PS120 PS121 PS122 PS123 PS124 PS125 PS126 PS127 PS128 PS129 PS130 PS131 PS132 PS133 PS134 PS135 PS136 PS137 PS138 PS139 PS140 PS141 PS142 PS143 PS144 PS145 PS146 PS147 PS148 PS149 PS150 PS151 PS152 PS153 PS154 PS155 PS156 PS157 PS158 PS159 PS160 PS161 PS162 PS163 PS164 PS165 PS166 PS167 PS168 PS169 PS170 PS171 PS172 PS173 PS174 PS175 PS176 PS177 PS178 PS179 PS180 PS181 PS182 PS183 PS184 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INSTRUCTIONS TO CHANGE BLOWDOWN & EXCESS PRESSURE SET-POINT ON LINT FILTER CONTROL WITH SETRA PRESSURE TRANSDUCER

1. Start at the "HOME SCREEN". The Home Screen is indicated with "SYSTEM IS OK" and a display at the bottom with a bar at the bottom indicating -2.5"-+2.5" W.C.
2. Press the "Down" arrow once to display the "Running Screen".
3. Press and hold the "ESC" button. While holding down the "ESC" button press the "OK" button, then release both buttons to display "Device Monitor" (#2 of 4 selections listed).
4. Press "Down" arrow to Device Manager
5. Press "OK" button.
6. To change Blowdown set-point press "Left" Arrow to "D000" (#1 of 4 selections listed).
7. Press and hold the "OK" button until arrow is displayed next to "D000". Release "OK" button.
8. Press "OK" button to highlight the value field, then release.
9. Pressing the "Left" or "Right" buttons will highlight each digit.
10. When desired digit is "blinking" press the "Up" or "Down" button to increase or decrease the value.
11. When desired value is displayed, press the "OK" button.
12. To change Excess Pressure set-point press "Down Arrow" button until display arrow is adjacent to "D001" (#2 of 4 selections listed).
13. Press "OK" button to highlight the value field, then release.
14. Pressing the "Left" or "Right" buttons will highlight each digit.
15. When desired digit is "blinking" press the "Up" or "Down" button to increase or decrease the value.
16. When desired value is displayed, press the "OK" button.
17. Press "ESC" button 3 times to display "Running Screen".
18. Press "Up" arrow to display "Home Screen".
19. Turn power off and power up to reset the control. The "HOME SCREEN" will be displayed and the control is now ready for normal automatic operation.

SET-POINT VALUE TABLE

.50"-----600

.75"-----650

1.00"----700

1.25"----750

1.50"----800

1.75"----850

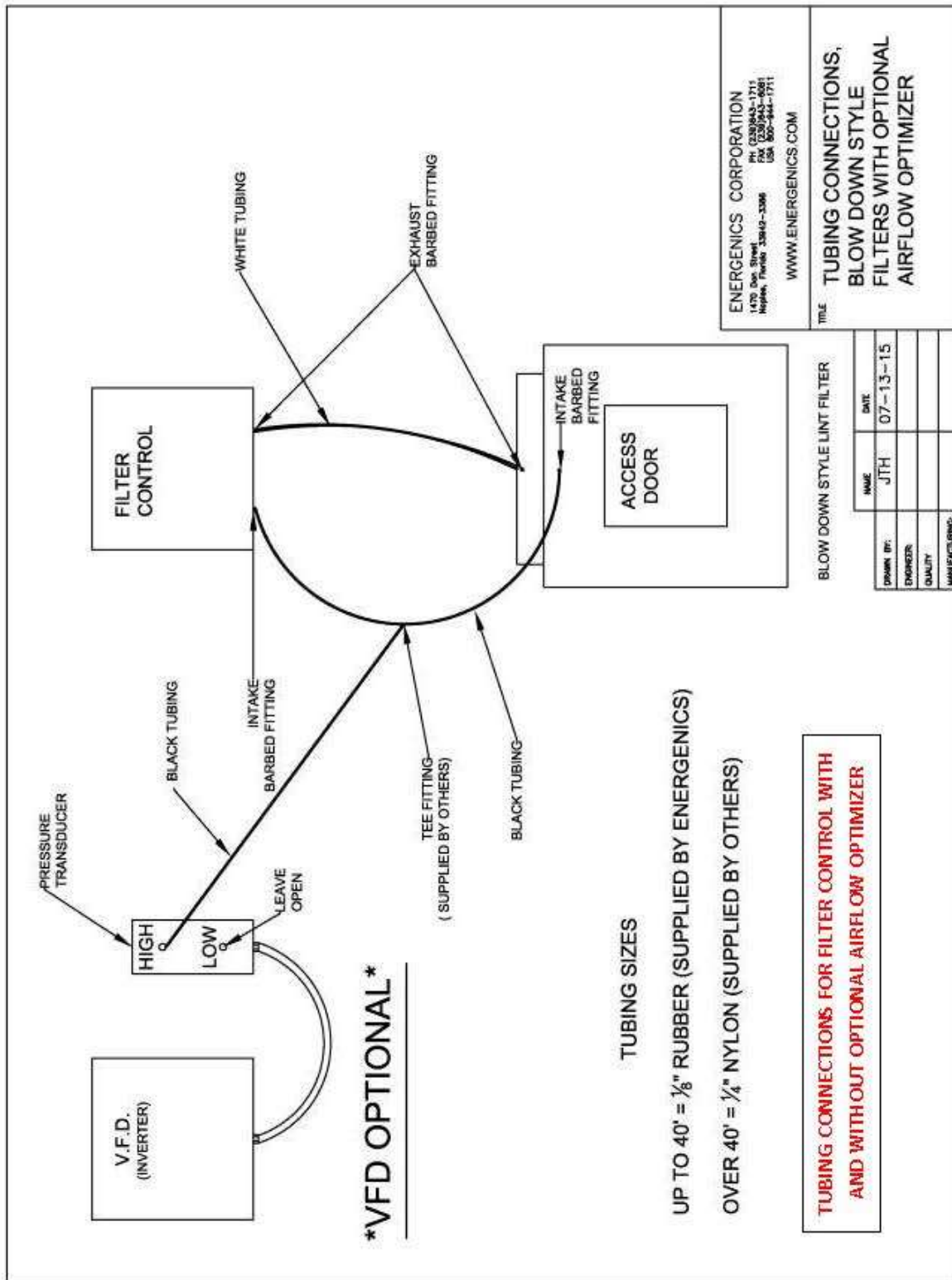
2.00"----900

INSTRUCTIONS TO CHANGE TIMED BLOWDOWN INTERVALS ON LINT FILTER CONTROL WITH SETRA PRESSURE TRANSDUCER

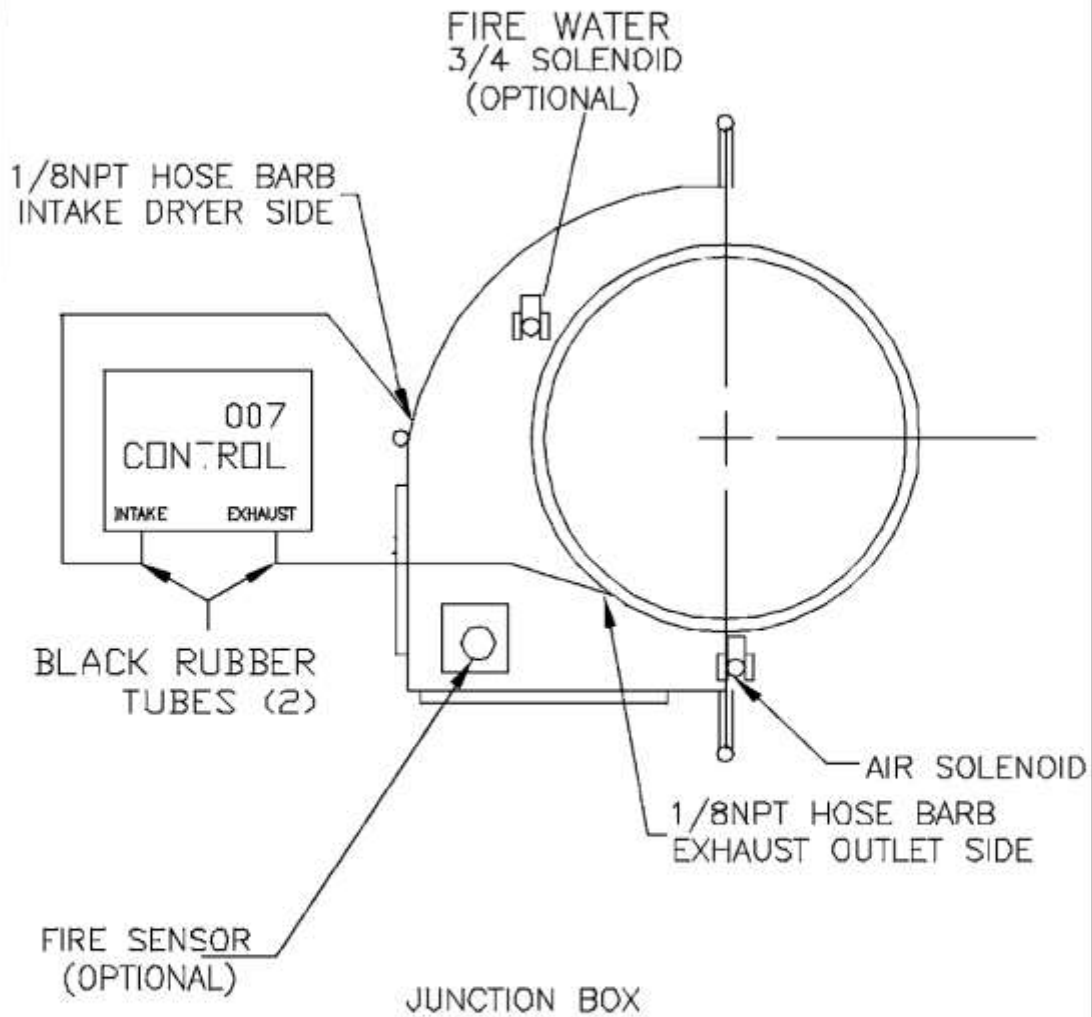
1. Start at the "HOME SCREEN". The Home Screen is indicated with "SYSTEM IS OK" and a display at the bottom with a bar at the bottom indicating -2.5"-+2.5" W.C.
2. Press the "Down" arrow once to display the "Running Screen".
3. Press and hold the "ESC" button. While holding down the "ESC" button press the "OK" button, then release both buttons to display "Device Monitor" (#2 of 4 selections listed).
4. Press "Down" arrow to Device Manager
5. Press and release "OK" button.
6. Press "Left" Arrow to "D002" (#3 of 4 selections listed).
7. Press and hold the "OK" button until arrow appears next to "D000". Release "OK" button.
8. Press "Down" arrow" to place arrow cursor next to "D002". The value on right is in seconds of time.
9. Press "OK" button and release to highlight the value field.
10. Pressing the "Left" or "Right" buttons will highlight each digit.
11. When desired digit is "blinking" press the "Up" or "Down" button to increase or decrease the value.
12. When desired value is displayed, press the "OK" button.
13. Press "ESC" button 3 times to display "Running Screen".
14. Press "Up" arrow to display "Home Screen".
15. Turn power off and power up to reset the control. The "HOME SCREEN" will be displayed and the control is now ready for normal automatic operation.

INSTRUCTIONS TO DISABLE TIMED BLOWDOWN WHEN ALL DRYERS TURN OFF FOR LINT FILTER CONTROL WITH SETRA PRESSURE TRANSDUCER

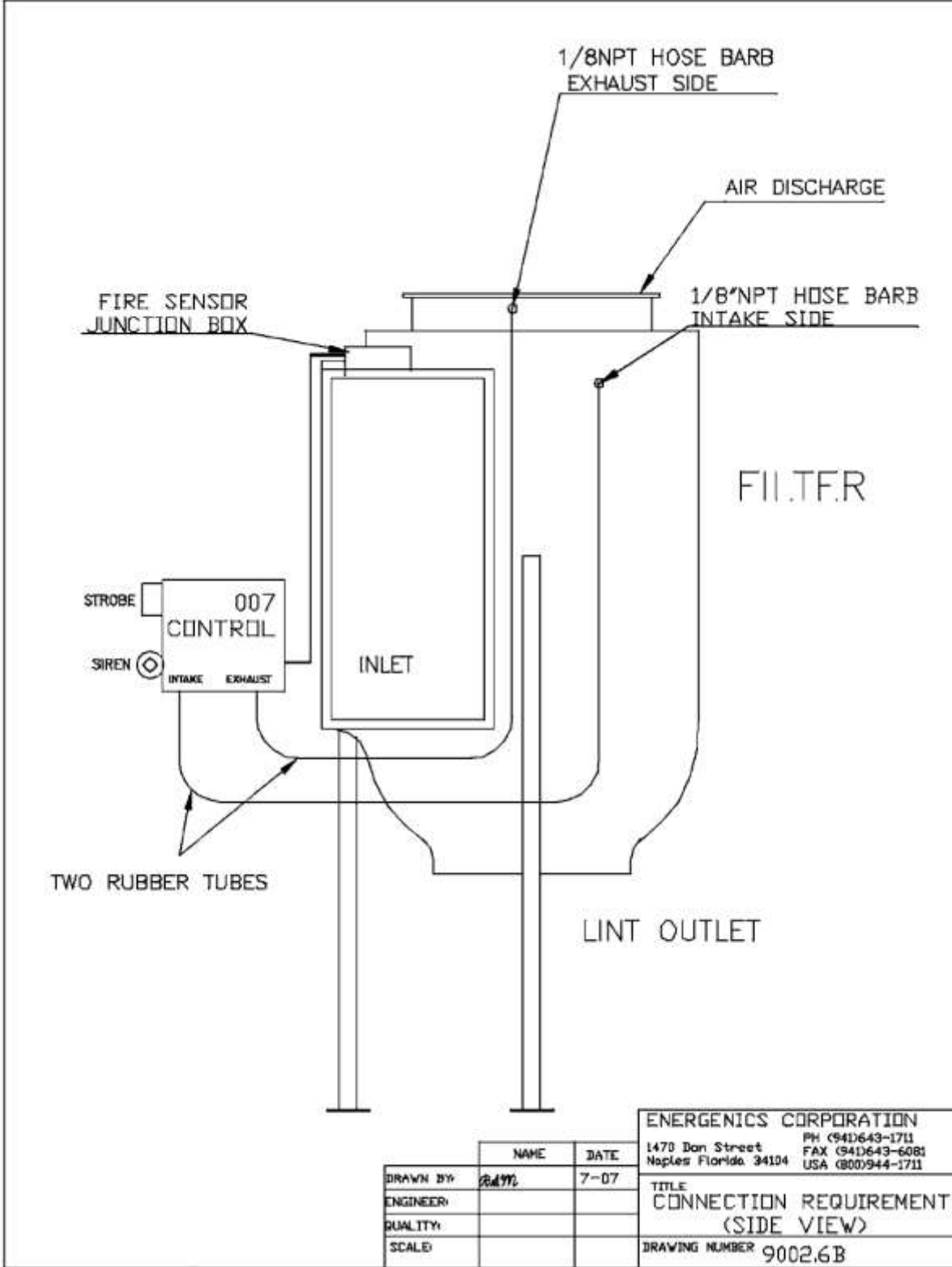
1. Start at the "HOME SCREEN". The Home Screen is indicated with "SYSTEM IS OK" and a display at the bottom with a bar at the bottom indicating -2.5"-+2.5" W.C.
2. Press the "Down" arrow once to display the "Running Screen".
3. Press and hold the "ESC" button. While holding down the "ESC" button press the "OK" button, then release both buttons to display "Device Monitor" (#2 of 4 selections listed).
4. Press "Down" arrow to Device Manager
5. Press and release "OK" button.
6. Press "Left" Arrow to "M020" (#3 of 4 selections listed).
7. Press and hold the "OK" button until arrow appears next to "M000". Release "OK" button.
8. Press "Down" arrow" to place arrow cursor next to "M020".
9. Press "OK" button and release to highlight the value field.
10. Pressing the "Left" or "Right" buttons will highlight each digit.
11. Press "Right" arrow button to highlight the digit "5"
12. Press "OK" button to have the digit "5" highlighted with a black box. This black box indicator disables the "Dryer Off" blowdown. Pressing the "OK" button again to remove the black box highlight enables the "Dryer Off" blowdown.
13. Press "ESC" button 3 times to display "Running Screen".
14. Press "Up" arrow to display "Home Screen".
15. Turn power off and power up to reset the control. The "HOME SCREEN" will be displayed and the control is now ready for normal automatic operation.



CONNECTION REQUIREMENT



			ENERGENICS CORPORATION	
			1470 Don Street	PH (941)643-1711
			Naples Florida 34104	FAX (941)643-6892
				USA (800)944-1711
DRAWN BY:	NAME	DATE	TITLE	
ENGINEER:			CONNECTION REQUIREMENT	
QUALITY:			DRAWING NUMBER 9002.5	
SCALE:				



MANTENANCE REQUIREMENTS

The frequency of your maintenance requirements depends upon the number of hours of operation and upon variances in your product output. For a single-shift operation, without special problems, the frequency recommended below should suffice. You should set your own schedule based on your experience.

1. **WEEKLY**

Visually inspect the filter inside and outside, its controls and their operation. At time of such inspection, note and correct any discrepancies from normal operation.

2. **MONTHLY**

Check the static pressure. Disconnect the pressure hose (labeled intake), and then use a magnehelic gauge, manometer, or U-tube to measure and record the resistance. This will show the pattern of operation of your system. If pressure exceeds 1 inch W.C., insure the rotor is correctly turning and cleaning the screen.

Watch the air pressure gauge on the filter. Record the drop in pressure during the blow down cycle. A normal pressure is from 100psi at the start to 60psi after ten seconds. The minimum pressure is 60psi. Any less will not reliably clean the screen. If the pressure were to fall from 100psi to 40psi, the air supply is inadequate or obstructed.

3. **QUARTERLY**

On filters using fire protection control, carefully test the fire sensor accessed through the inspection door. Heat the fire sensor with a heat lamp or other **NON-FLAMABLE** source. The sensor will close contacts initiating the audible tone, illuminate the light & open the water solenoid valve. It is important to heat the sensor as the push button in the control does not test the sensor, only the other components to the fire suppression system.

FILTER SCREEN MAINTENANCE

Chemicals present in the laundry uniforms, shop towels or other linen may eventually clog the filter screen. When this occurs, try the following:

1. Spray with an engine degreaser like GUNK. Allow soaking per the instructions for cleaning an auto engine. Spray clean with water. After degreasing and rinsing, wash polyester screens in wash cycle.
2. Operate one dryer without a load to blow hot air through the filter to dry it.
3. Restart the dryer. Operation should be perfectly normal. It should not be necessary to replace the screen unless it is punctured.

LIMITED WARRANTY & DISCLAIMER

STANDARD CONDITIONS OF SALES

Energenics Corporation (herein called Energenics) warrants to the original purchaser, & to the original purchaser alone, its products to be free from defects in material and workmanship under normal use & service for a period of twenty-four (24) months from the date of shipment. Energenics' obligations under this warranty shall be limited solely to the repair or replacement of such parts, which Energenics examination shall disclose to Energenics satisfaction to have been thus defective & to the shipment of the repaired or replacement part or parts to the original purchaser F.O.B. point of shipment. In no event shall Energenics be liable for any consequential, incidental or special damages of any kind caused by the defect. The Warranty set forth shall not apply to & Energenics shall not be responsible for any equipment or part, which has been repaired or altered in any way, regardless of how or why the part was altered or repaired nor for any equipment or part, which has been subjected to the negligence or accident, improper use or care, nor for equipment or part with respect to which Energenics instructions relating to installation, maintenance, or use have not been followed. This limited warranty is expressly made in lieu of all other warranties, expressed or implied, and in lieu of all other obligations or liabilities on the part of Energenics.

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RETURNS: Merchandise may not be returned unless a RMA is obtained from Energenics. A copy of the RMA must accompany the returned item as the packing Slip. Energenics will assume no responsibility for merchandise returned neither without such prior approval nor for any charges or expenses incurred therewith.

CANCELLATIONS: Any order may be canceled by the purchaser only upon written notice & upon payment to Energenics of reasonable & proper cancellation charges.

SALES & SIMILAR TAXES: Energenics prices do not include sales, use, gross receipts, excise or similar taxes, license fees & export or import duties. All taxes or other charges assessed to Energenics by reason of a transaction with the Purchaser must be paid by the Purchaser.

PRICE POLICY: All sales are made F.O.B. point of shipment and all prices are subject to change without notice.

DESIGN CHANGES: Energenics reserves the right to make changes in the design & changes or improvements in its products without notice or without imposing any obligation upon Energenics to install the same upon products heretofore manufactured.

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