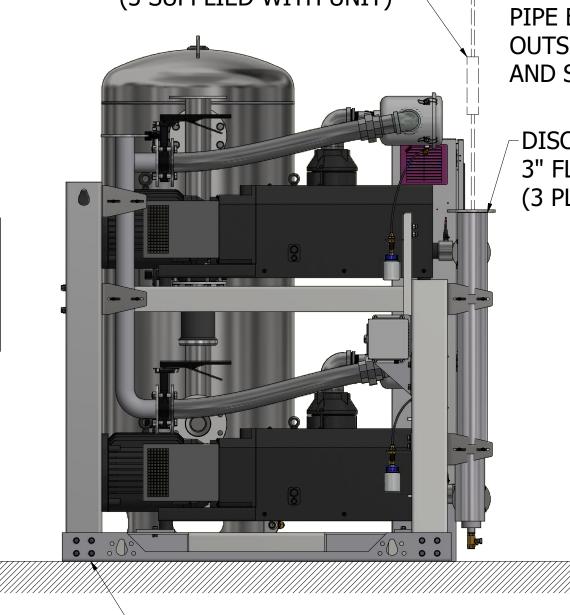
NOTES: FOR INTAKE PIPE SIZING REFER TO-1. ALL INTERCONNECTING PIPE AND FITTINGS SHALL BE INSTALLED BY THE CONTRACTOR. STANDARD PRESSURE DROP TABLES. TOTAL PRESSURE DROP SHOULD BE 2. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 99. PIPING LAYOUT IS LESS THAN 2" Hg AT A SYSTEM DIAGRAMMATIC ONLY. FINAL ARRANGEMENT WILL BE SITE SPECIFIC. CONTRACTOR WILL BE VACUUM LEVEL OF 15" Hg RESPONSIBLE FOR FIELD VERIFICATION AND COORDINATING ACTUAL LOCATION WITH ALL OTHER TRADES. PUMP MODULE-3. CONTRACTOR SHALL VERIFY MOTOR VOLTAGE, PHASE AND AMP RATINGS BEFORE STARTING ELECTRICAL SOURCE SHUTOFF VALVE-CONTROL WIRING INSTALLATION; AND MAKE CERTAIN THE VOLTAGE SUPPLIED BY THE HOSPITAL IS THE SAME. (SEE NOTE 10) MAIN VACUUM GAUGE 4. THE ROOM REQUIRES DEDICATED MECHANICAL VENTILATION WITH AN ALLOWABLE TEMPERATURE VARIANCE OF 40° TO 105°F. (FOR HIGHER AMBIENTS, CONSULT FACTORY) MAIN LINE VACUUM SWITCH 5. ELECTRICAL POWER SHALL BE SUPPLIED FROM THE EQUIPMENT SYSTEM BRANCH OF THE ESSENTIAL ELECTRICAL SYSTEM (EMERGENCY POWER). 6. EQUIPMENT, INSTALLATION, AND TESTING OF THE MEDICAL VACUUM SYSTEM SHALL COMPLY WITH NFPA 99 AND ALL STATE AND LOCAL CODES OR ORDINANCES. 7. WIRE LAG PUMP RUNNING ALARM REMOTE CONTACTS IN THIS CONTROL SYSTEM TO MASTER ALARM SYSTEM AS REQUIRED BY NFPA 99. **FROM** 8. ALL ACCESSORIES, PIPE AND FITTINGS, EXCEPT DISCHARGE SILENCERS, BEYOND INLET AND DISCHARGE HOSPITAL > PORTS ARE SUPPLIED AND INSTALLED BY OTHERS. 9. WHEN DETERMINING THE TOTAL PIPE LENGTH, ADD ALL THE STRAIGHT LENGTHS OF PIPE TOGETHER IN ADDITION TO THE NUMBER OF ELBOWS TIMES THE EFFECTIVE PIPE LENGTH FOR THAT PIPE SIZE. (SEE EQUIVALENT PIPE LENGTH TABLE & EXAMPLE CALCULATION IN THE O&M MANUAL) HOSPITAL-10. PUMP MODULE CONTROL WIRING IS LOW VOLTAGE WIRING (24Vdc). LOW VOLTAGE WIRING MUST BE ROUTED CONNECTION SEPARATELY FROM HIGH VOLTAGE WIRING (200-480Vac). SEPARATION OF LOW VOLTAGE AND HIGH VOLTAGE WIRING (4" FLANGE) MUST ALSO BE MAINTAINED INSIDE THE CONTROL PANEL. 24Vdc LOW VOLTAGE FIELD WIRING TO BE A MINIMUM OF 22 GUAGE, WIRE TRANSDUCER AND 75 DEG C COPPER WIRE. **BACKUP SWITCH TO CONTROL PANEL** 11. ALL MOTOR WIRING MUST BE RUN IN SEPARATE CONDUIT FROM LOW VOLTAGE WIRING AND ENTER THE CONTROL PANEL ON THE BOTTOM RIGHT SIDE, USING THE KNOCK OUTS PROVIDED. JUNCTION BOX ETHERNET WIRING ACCESS-SINGLE POINT POWER (3 PLACES) 12. ALWAYS CONSIDER SURROUNDING OCCUPANCIES FOR ALL ROTATING EQUIPMENT. ADDITIONAL ALARM WIRING ACCESS-ISOLATION/VIBRATION TRANSLATION REQUIREMENTS DUE TO SYSTEM LOCATION SHOULD BE DETERMINED AND PROVIDED BY OTHERS. 3" EXHAUST SILENCER (3 SUPPLIED WITH UNIT) OUTLET PIPE EXHAUST 4" FLANGE OUTSIDE, TURN DOWN -INTAKE AND SCREEN PER NFPA 99 3" FLANGE (3 PLACES) DISCHARGE 3" FLANGE (3 PLACES) EFFECTIVE PIPE LENGTH FOR ELBOWS 5.00" NPT 6.00" NPT 8.00" NPT PIPE SIZE (IN) EFF.PIPE 13.2 11.9 14.5 LENGTH (FT)

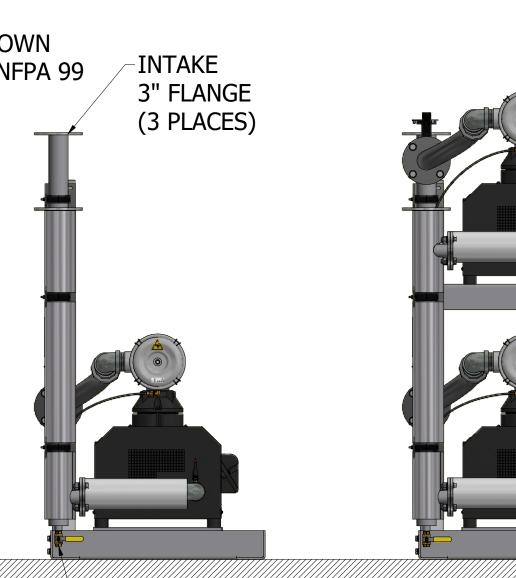
EXHAUST PIPE SIZE TABLE			
(SEE NOTE 9)			
UNIT SIZE	PIPE LENGTH		
	0-100'	101'-250'	251'-500'
PX 15	5.00" NPT	6.00" NPT	8.00" NPT
	-	-	-

24 VDC ELECTRICAL FIELD PIPING INLET

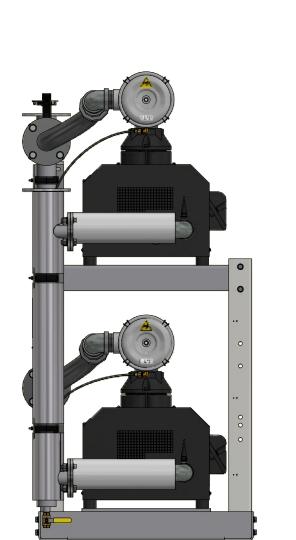
FIELD PIPING OUTLET



NO VIBRATION PADS ARE NECESSARY AT THIS LOCATION



-DRIP LEG VALVE (3 PLACES)



TANK DRAIN LOCATION CONTRACTOR SHALL PIPE TO FLOOR DRAIN

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WIRING ACCESS

(200 GALLON RECEIVER SHOWN)

Form F-007 Rev. 01 8