NOTES:

1. ALL INTERCONNECTING PIPE AND FITTINGS SHALL BE INSTALLED BY THE CONTRACTOR.

2. ALL PIPING SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 99. PIPING LAYOUT IS DIAGRAMMATIC ONLY. FINAL ARRANGEMENT WILL BE SITE SPECIFIC. CONTRACTOR WILL BE RESPONSIBLE FOR FIELD VERIFICATION AND COORDINATING ACTUAL LOCATION WITH ALL OTHER TRADES.

3. CONTRACTOR SHALL VERIFY MOTOR VOLTAGE, PHASE AND AMP RATINGS BEFORE STARTING ELECTRICAL INSTALLATION; AND MAKE CERTAIN THE VOLTAGE SUPPLIED BY THE HOSPITAL IS THE SAME.

4. THE ROOM REQUIRES DEDICATED MECHANICAL VENTILATION WITH AN ALLOWABLE TEMPERATURE VARIANCE OF 40° TO 105°F. (FOR HIGHER AMBIENTS, CONSULT FACTORY)

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.

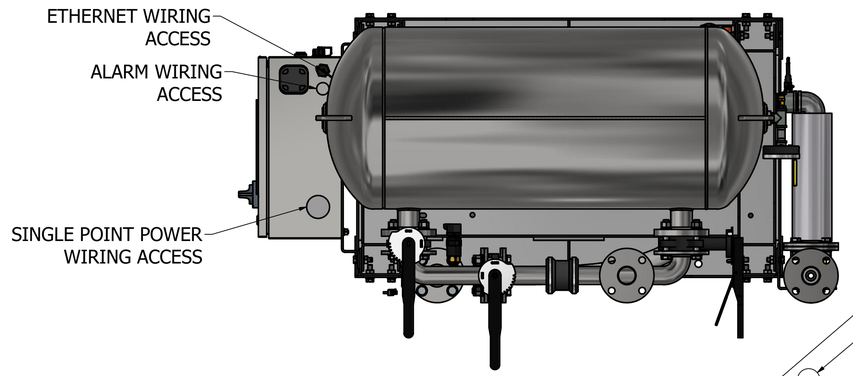
7. WIRE LAG & HIGH TEMP. ALARM REMOTE CONTACTS IN THIS CONTROL SYSTEM TO MASTER ALARM SYSTEM AS REQUIRED BY NFPA 99.

8. ALL ACCESSORIES, PIPE AND FITTINGS, EXCEPT DISCHARGE SILENCERS, BEYOND INLET AND DISCHARGE PORTS ARE SUPPLIED AND INSTALLED BY OTHERS.

9. WHEN DETERMINING THE TOTAL PIPE LENGTH, AND 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)

EXHAUST PIPE SIZE TABLE (SEE NOTE 9)			
UNIT SIZE	PIPE LENGTH		
	0-100'	101'-450'	451'-500'
DX 2 HP	1.50"	2.00"	2.50"
	0-75'	76'-250'	251'-500'
DX 3 HP	1.50"	2.00"	2.50"
	0-100'	101'-400'	401'-500'
DX 4 HP	2.00"	2.50"	3.00"
	0-75'	76'-250'	251'-500'
DX 5.4 HP	2.00"	2.50"	3.00"

EFFECTIVE PIPE LENGTHS FOR ELBOWS				
PIPE SIZE (IN)	1.50" NPT	2.00" NPT	2.50" NPT	3.00" NPT
EFF. PIPE LENGTH (FT)	4.0	4.9	6.4	7.9



FIELD PIPING INLET

FIELD PIPING OUTLET

SOURCE SHUTOFF VALVE
MAIN VACUUM GAUGE
MAIN LINE VACUUM SWITCH
FROM HOSPITAL

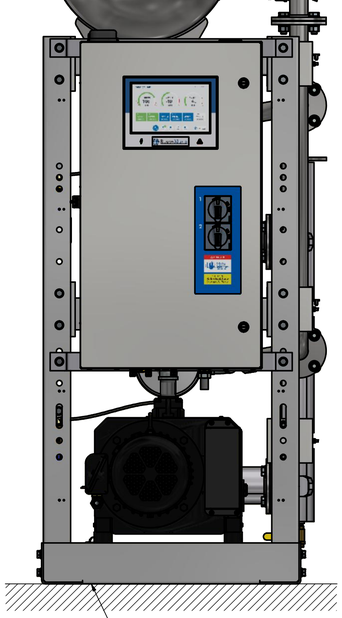
FOR INTAKE PIPE SIZING REFER TO STANDARD PRESSURE DROP TABLES. TOTAL PRESSURE DROP SHOULD BE LESS THAN 2" Hg AT A SYSTEM VACUUM LEVEL OF 15" Hg.

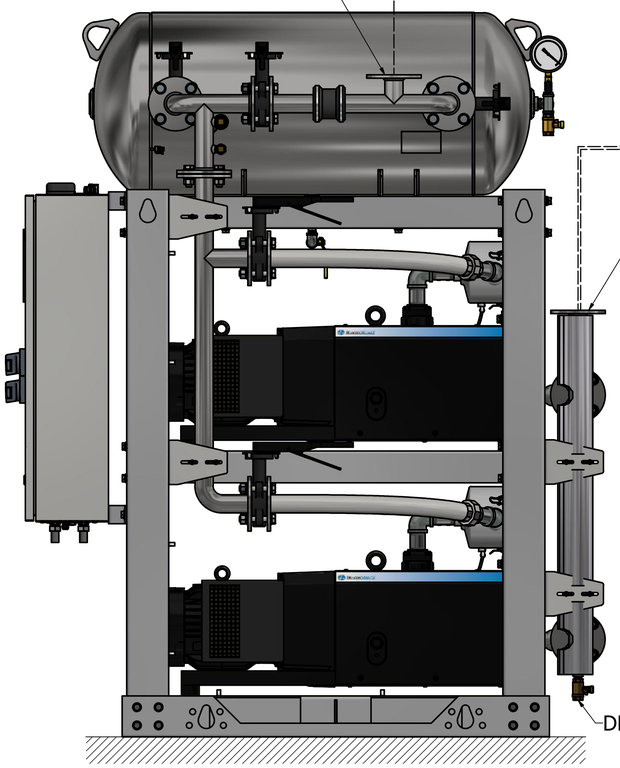
2" EXHAUST SILENCER (1 SUPPLIED WITH UNIT)

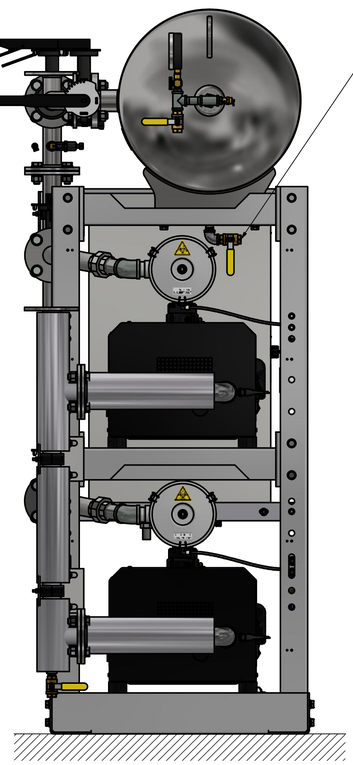
PIPE EXHAUST OUTSIDE, TURN DOWN AND SCREEN PER NFPA 99

HOSPITAL CONNECTION (2" FLANGE)

TANK DRAIN CONNECTION







DISCHARGE 2" FLANGED

DRIP LEG VALVE

NO VIBRATION PADS ARE NECESSARY AT THIS POINT

NO FOUNDATION OR INERTIA PAD IS REQUIRED (HOUSEKEEPING PAD IS OPTIONAL)

(5.4HP CLAW WITH 60 GALLON RECEIVER SHOWN)

Revised: APS	Date: 3/2/2023	Drawn: JDY	Date: 1/4/2010
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Description: INSTALLATION DIAGRAM CLAW VAC STM 2-5.4HP DX STANDARD & O2 ASSURED		Part Number: 4107 8518 07	
		DN: HOP230841	Rev: 08
		Sheet 1 of 1	DO NOT SCALE THIS DOCUMENT