

NOTES:

1. ALL INTERCONNECTING PIPE AND FITTINGS SHALL BE INSTALLED BY THE CONTRACTOR.
2. 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 FACILITY 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. ALL ACCESSORIES, PIPE AND FITTINGS, EXCEPT DISCHARGE SILENCERS, BEYOND INLET AND DISCHARGE PORTS ARE SUPPLIED AND INSTALLED BY OTHERS.
6. ALLOW 36 INCHES IN FRONT OF CONTROL PANEL FOR MAINTENANCE AND VENTILATION, ALL OTHER SIDES REQUIRE 24 INCHES OF CLEARANCE.
7. 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)

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.

FROM LABORATORY

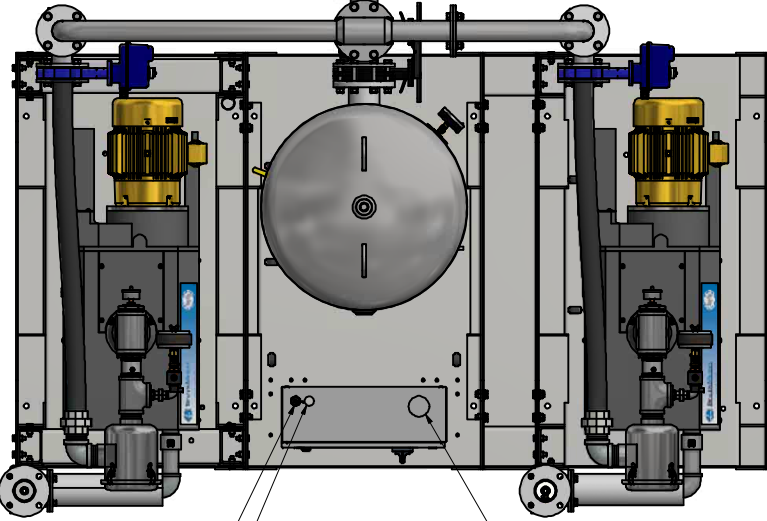
MAIN LINE VACUUM SWITCH
MAIN VACUUM GAUGE
SOURCE SHUTOFF VALVE

LABORATORY CONNECTION
(4" FLANGE)

EXHAUST PIPE SIZE TABLE (SEE NOTE 7)			
UNIT SIZE	PIPE LENGTH		
	0-50'	51'-200'	201'-500'
TX 10	3.00" NPT	4.00" NPT	5.00" NPT
	0-75'	76'-250'	251'-500'
TX 15	4.00" NPT	5.00" NPT	6.00" NPT

EFFECTIVE PIPE LENGTH FOR ELBOWS				
PIPE SIZE (IN)	3.00" NPT	4.00" NPT	5.00" NPT	6.00" NPT
EFF. PIPE LENGTH (FT)	7.9	10	11.9	13.2

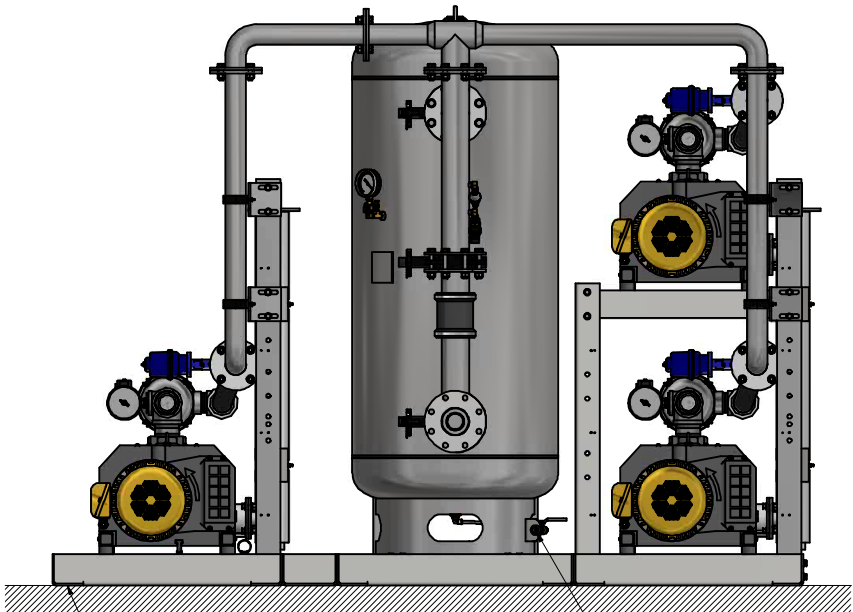
--- FIELD PIPING INLET
=== FIELD PIPING OUTLET



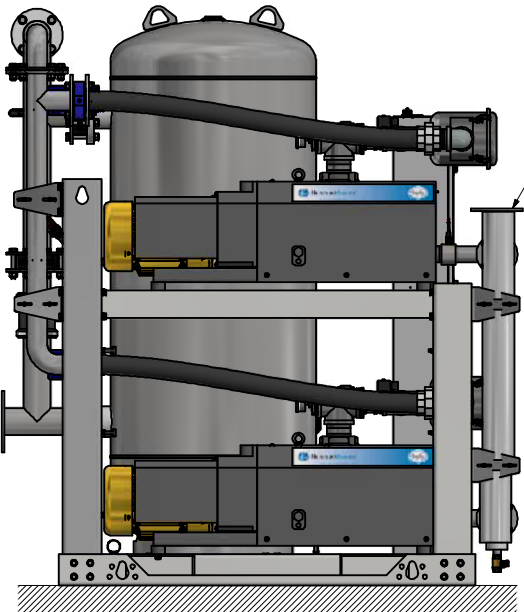
ETHERNET WIRING ACCESS
ALARM WIRING ACCESS
SINGLE POINT POWER WIRING ACCESS

3" EXHAUST SILENCER
(2 SUPPLIED WITH UNIT)

PIPE EXHAUST
OUTSIDE, TURN
DOWN AND SCREEN
PER NFPA 99

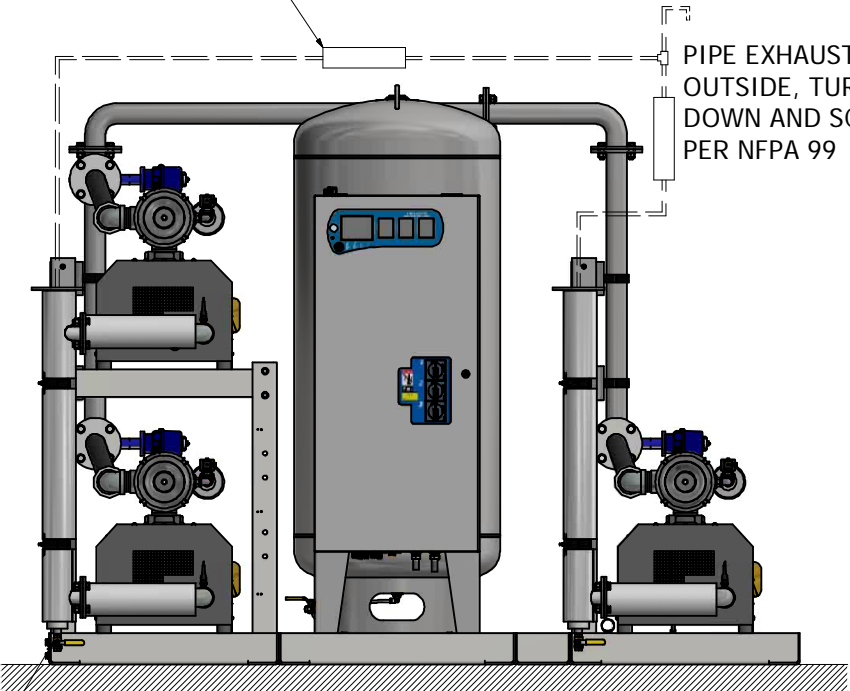


NO VIBRATION PADS
ARE NECESSARY AT THIS LOCATION
TANK DRAIN CONNECTION



3" DISCHARGE FLANGE
(2 PLACES)

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



DRIP LEG VALVE
(2 PLACES)

(200 GALLON RECEIVER SHOWN)

Revised: MDB	Date: 07/10/2019	Drawn: MDB	Date: 11/10/2017
BEACONMED'S		Scale: 1/14	
Description: INSTALLATION DIAGRAM 10 & 15HP TX LAB CLAW VAC SPC STANDARD AND O2 ASSURED		Part Number: 4107 8563 04 DN: BM190348 Rev: 01 Sheet 1 of 1	
		DO NOT SCALE THIS DOCUMENT	