

**NOTES:**

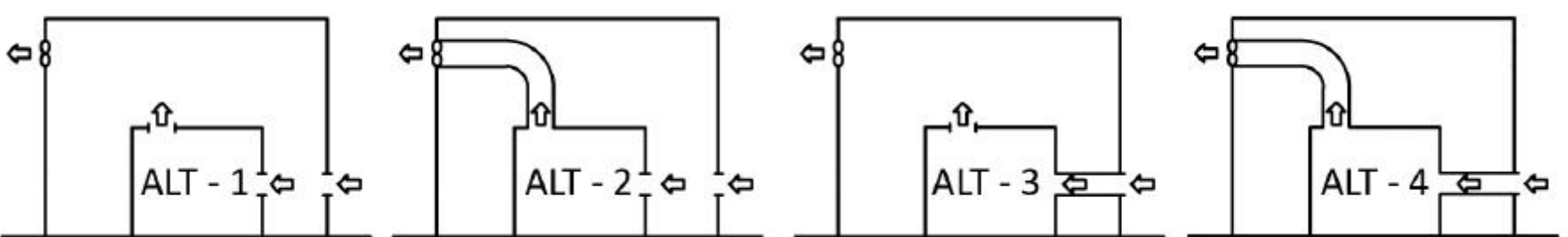
**GENERAL**

1. ALL ACCESSORIES, INTERCONNECTING PIPE AND FITTINGS BEYOND INLET AND DISCHARGE PORTS SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR.
2. EQUIPMENT 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. EQUIPMENT, INSTALLATION, AND TESTING OF THE MEDICAL VACUUM SYSTEM SHALL COMPLY WITH NFPA 99, MSV PUMP MANUALS AND ALL STATE AND LOCAL CODES OR ORDINANCES.
4. ALWAYS CONSIDER SURROUNDING OCCUPANCIES FOR ALL ROTATING EQUIPMENT. ADDITIONAL ISOLATION/VIBRATION TRANSLATION REQUIREMENTS DUE TO SYSTEM LOCATION SHOULD BE DETERMINED AND PROVIDED BY OTHERS.
5. ALLOW AT LEAST 1 METER (39.4 INCHES) AROUND EACH PUMP AND IN FRONT OF CONTROL PANEL FOR MAINTENANCE AND VENTILATION.
6. RECOMMENDED MINIMUM CLEARANCE BETWEEN TOP OF EQUIPMENT AND OVERHEAD PIPING/CEILING IS 1 METER (39.4 INCHES) FOR PROPER VENTILATION.
7. ALL EQUIPMENT SHOULD BE INSTALLED ON A LEVEL FLOOR THAT IS CLEAN, VIBRATION FREE, WELL VENTILATED, HAS SUFFICIENT LIGHTING AND SUPPORTS THE WEIGHT OF THE PUMP. THE COMPLETE LENGTH OF THE FRAME BASE MUST BE SUPPORTED. NO SPECIAL FOUNDATION OR INERTIA PAD IS REQUIRED (HOUSEKEEPING PAD IS OPTIONAL). NO VIBRATION PADS ARE NECESSARY.

**VENTILATION**

8. REFERENCE MSV PUMP MANUAL FOR PROPER LOCATION OF MODULES TO ENSURE ADEQUATE AIR FLOW ACROSS THE UNITS.
9. THE ROOM REQUIRES DEDICATED MECHANICAL VENTILATION WITH AN ALLOWABLE TEMPERATURE VARIANCE OF 32° TO 115°. (FOR HIGHER AMBIENTS, CONSULT FACTORY).
10. THE INLET GRID(S) AND VENTILATION FAN SHOULD BE INSTALLED IN SUCH A WAY THAT ANY RECIRCULATION OF COOLING AIR TO THE PUMPS IS AVOIDED. THE AIR VELOCITY TO THE GRID(S) HAS TO BE LIMITED TO 5 m/s.
11. IF COOLING AIR DUCTS ARE USED, MAXIMUM PERMITTED PRESSURE DROP BEFORE OR AFTER THE PUMP IS 10 Pa.

**VENTILATION PROPOSALS**



Revised:	Date:	Drawn: JEM	Date: 7/12/2024
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Description: MSV030Q-240-HCV 30HP QX VAC INSTALLATION DIAGRAM		Part Number: 4107 8580 54	
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