GENERAL NOTES:

- 1. ALL INTERCONNECTING PIPE AND FITTINGS SHALL BE INSTALLED BY THE CONTRACTOR.
- 2. ALL PIPING SHALL BE HARD-DRAWN SEAMLESS TYPE "K" OR "L" COPPER TUBING CONFORMING TO ASTM DESIGNATION B-819.
- 3. 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.
- 4. 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.
- 5. THE ROOM REQUIRES DEDICATED MECHANICAL VENTILATION WITH AN ALLOWABLE TEMPERATURE VARIANCE OF 40° TO 105°. (FOR HIGHER AMBIENTS, CONSULT FACTORY).
- 6. ELECTRICAL POWER SHOULD BE SUPPLIED FROM THE EQUIPMENT SYSTEM BRANCH OF THE ESSENTIAL ELECTRICAL SYSTEM (EMERGENCY POWER).
- 7. EQUIPMENT, INSTALLATION, AND TESTING OF THE MEDICAL AIR SYSTEM SHALL COMPLY WITH NFPA 99, AND ALL STATE AND LOCAL CODES OR ORDINANCES.
- 8. 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)

9. ALLOW 36 INCHES IN FRONT OF CONTROL PANEL FOR MAINTENANCE AND VENTILATION, ALL OTHER SIDES REQUIRE 24 INCHES OF CLEARNACE.

$DISCHARGE_{T}$					
CONNECTION \		7 . !			
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NO FOUNDATION OR INERTIA PAD IS REQUIRED

(HOUSEKEEPING PAD IS OPTIONAL)

NO VIBRATION PADS ARE -NECESSARY AT THIS LOCATION

-SINGLE POINT DRAIN CONNECTION, CONTRACTOR SHALL PIPE TO FLOOR DRAIN.

INTAKE PIPE SIZE TABLE							
(SEE NOTE 8)							
UNIT SIZE	PIPE LENGTH						
	0 - 75'	76' - 250'	251' - 400'				
TPX 5	2.00"	2.50"	3.00"				
	PIPE LENGTH						
	F	PIPE LENGTH	1				
	0 - 100'	PIPE LENGTH 101' - 250'	1				
TPX 7.5			1				
TPX 7.5	0 - 100'	101' - 250'	251' - 400'				

EFFECTIVE PIPE LENGTH FOR ELBOWS						
PIPE SIZE (IN)	2.00" NPT	2.50" NPT	3.00" NPT	3.50" NPT		
EFF. PIPE LENGTH (FT)	4.9	6.4	7.9	9.4		

SOURCE VALVE-

- FOR DISCHARGE PIPE SIZING REFER TO STANDARD PRESSURE DROP TABLES. - TOTAL PRESSURE DROP SHOULD BE LESS THAN 5 PSIG.

➤ TO HOSPITAL

-MAIN PRESSURE GAUGE

-HIGH-LOW PRESSURE SWITCH

ETHERNET WIRING ACCESS-ALARM WIRING ACCESS-SINGLE POINT POWER-WIRING ACCESS

PIPE INTAKE OUTSIDE TURN DOWN AND SCREEN PER NFPA 99. (REFER TO TABLE ABOVE

FOR CORRECT PIPE SIZING).

-INLET CONNECTION

NOTE:

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

-HEAVY-DUTY 4-POINT ISOLATION (SEISMIC OPTIONAL)

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(7.5HP WITH 120 GALLON RECEIVER SHOWN)

Form F-007 Rev. 01 8