

Notes:

1. ALL INTERCONNECTING PIPING, ACCESSORIES, AND PIPE FITTINGS SHALL BE SUPPLIED AND 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 RANGE 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 TABLE & EXAMPLE CALCULATION IN O & M MANUAL).
9. ALLOW 36 INCHES IN FRONT OF CONTROL PANEL FOR MAINTENANCE AND VENTILATION, ALL OTHER SIDES REQUIRE 24 INCHES OF CLEARANCE.

MAIN PRESSURE GAUGE
HIGH-LOW PRESSURE SWITCH
SOURCE VALVE
TO HOSPITAL

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

ETHERNET WIRING ACCESS
ALARM WIRING ACCESS
SINGLE POINT POWER
WIRING ACCESS

INLET CONNECTION

DISCHARGE CONNECTION

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

PIPE INTAKE TO OUTSIDE,
TURN DOWN AND SCREEN
PER NFPA 99.
(REFER TO TABLE FOR
CORRECT PIPE SIZING)


HEAVY-DUTY
4-POINT ISOLATION
(SEISMIC OPTIONAL)

NO VIBRATION PADS ARE
NECESSARY AT THIS LOCATION

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

INTAKE PIPE SIZE TABLE (SEE NOTE 8)			
UNIT SIZE	PIPE LENGTH		
	0-100'	101'-300'	301'-600'
PPX 20	4.00" NPT	5.00" NPT	6.00" NPT

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

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Description: DWG INSTALL DIA 20HP PX SCROLL SPC		Part Number: 4107 8567 75	
DN: HOP230837		Rev: 01	
Sheet 1 of 1		DO NOT SCALE THIS DOCUMENT	

(20HP WITH 240 GALLON RECEIVER SHOWN)