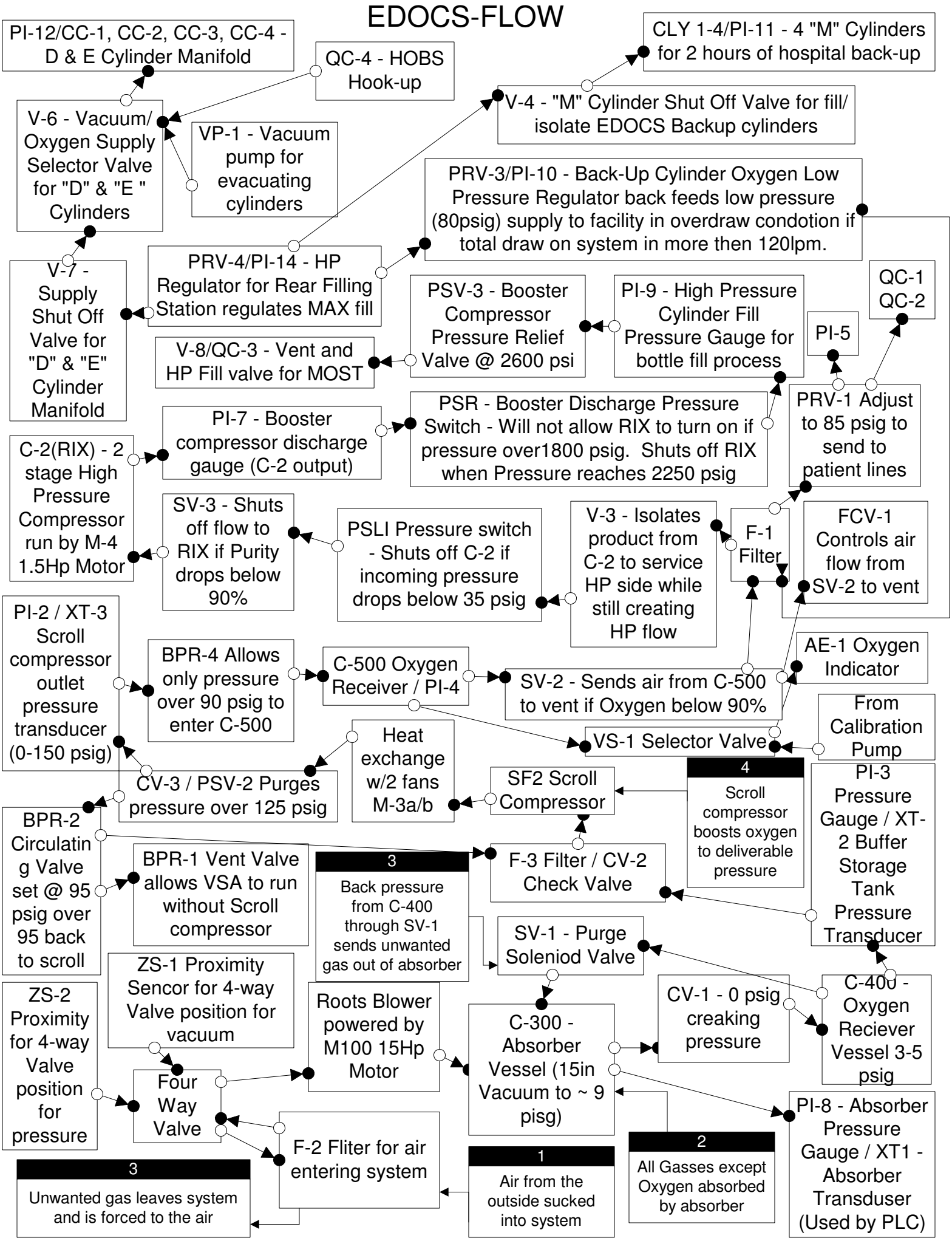
EDOCS-FLOW


PI-12/CC-1, CC-2, CC-3, CC-4 - D & E Cylinder Manifold
QC-4 - HOBS Hook-up
CLY 1-4/PI-11 - 4 "M" Cylinders for 2 hours of hospital back-up
V-6 - Vacuum/ Oxygen Supply Selector Valve for "D" & "E " Cylinders
VP-1 - Vacuum pump for evacuating cylinders
V-4 - "M" Cylinder Shut Off Valve for fill/ isolate EDOCS Backup cylinders
PRV-3/PI-10 - Back-Up Cylinder Oxygen Low Pressure Regulator back feeds low pressure (80psig) supply to facility in overdraw condotion if total draw on system in more then 120lpm.
V-7 - Supply Shut Off Valve for "D" & "E" Cylinder Manifold
PRV-4/PI-14 - HP Regulator for Rear Filling Station regulates MAX fill
PSV-3 - Booster Compressor Pressure Relief Valve @ 2600 psi
PI-9 - High Pressure Cylinder Fill Pressure Gauge for bottle fill process
QC-1
QC-2
PI-5
V-8/QC-3 - Vent and HP Fill valve for MOST
PRV-1 Adjust to 85 psig to send to patient lines
PI-7 - Booster compressor discharge gauge (C-2 output)
PSR - Booster Discharge Pressure Switch - Will not allow RIX to turn on if pressure over1800 psig. Shuts off RIX when Pressure reaches 2250 psig
C-2(RIX) - 2 stage High Pressure Compressor run by M-4 1.5Hp Motor
SV-3 - Shuts off flow to RIX if Purity drops below 90%
PSLI Pressure switch - Shuts off C-2 if incoming pressure drops below 35 psig
V-3 - Isolates product from C-2 to service HP side while still creating HP flow
F-1 Filter
FCV-1 Controls air flow from SV-2 to vent
PI-2 / XT-3 Scroll compressor outlet pressure transducer (0-150 psig)
BPR-4 Allows only pressure over 90 psig to enter C-500
C-500 Oxygen Receiver / PI-4
SV-2 - Sends air from C-500 to vent if Oxygen below 90%
AE-1 Oxygen Indicator
VS-1 Selector Valve
From Calibration Pump
Heat exchange w/2 fans M-3a/b
CV-3 / PSV-2 Purges pressure over 125 psig
SF2 Scroll Compressor
4
Scroll compressor boosts oxygen to deliverable pressure
PI-3 Pressure Gauge / XT-2 Buffer Storage Tank Pressure Transducer
BPR-2 Circulating Valve set @ 95 psig over 95 back to scroll
BPR-1 Vent Valve allows VSA to run without Scroll compressor
3
Back pressure from C-400 through SV-1 sends unwanted gas out of absorber
F-3 Filter / CV-2 Check Valve
SV-1 - Purge Soleniod Valve
ZS-1 Proximity Sencor for 4-way Valve position for vacuum
ZS-2 Proximity for 4-way Valve position for pressure
Roots Blower powered by M100 15Hp Motor
C-300 - Absorber Vessel (15in Vacuum to ~ 9 pisg)
CV-1 - 0 psig creaking pressure
C-400 - Oxygen Reciever Vessel 3-5 psig
Four Way Valve
F-2 Fliter for air entering system
PI-8 - Absorber Pressure Gauge / XT1 - Absorber Transduser (Used by PLC)
3
Unwanted gas leaves system and is forced to the air
1
Air from the outside sucked into system
2
All Gasses except Oxygen absorbed by absorber