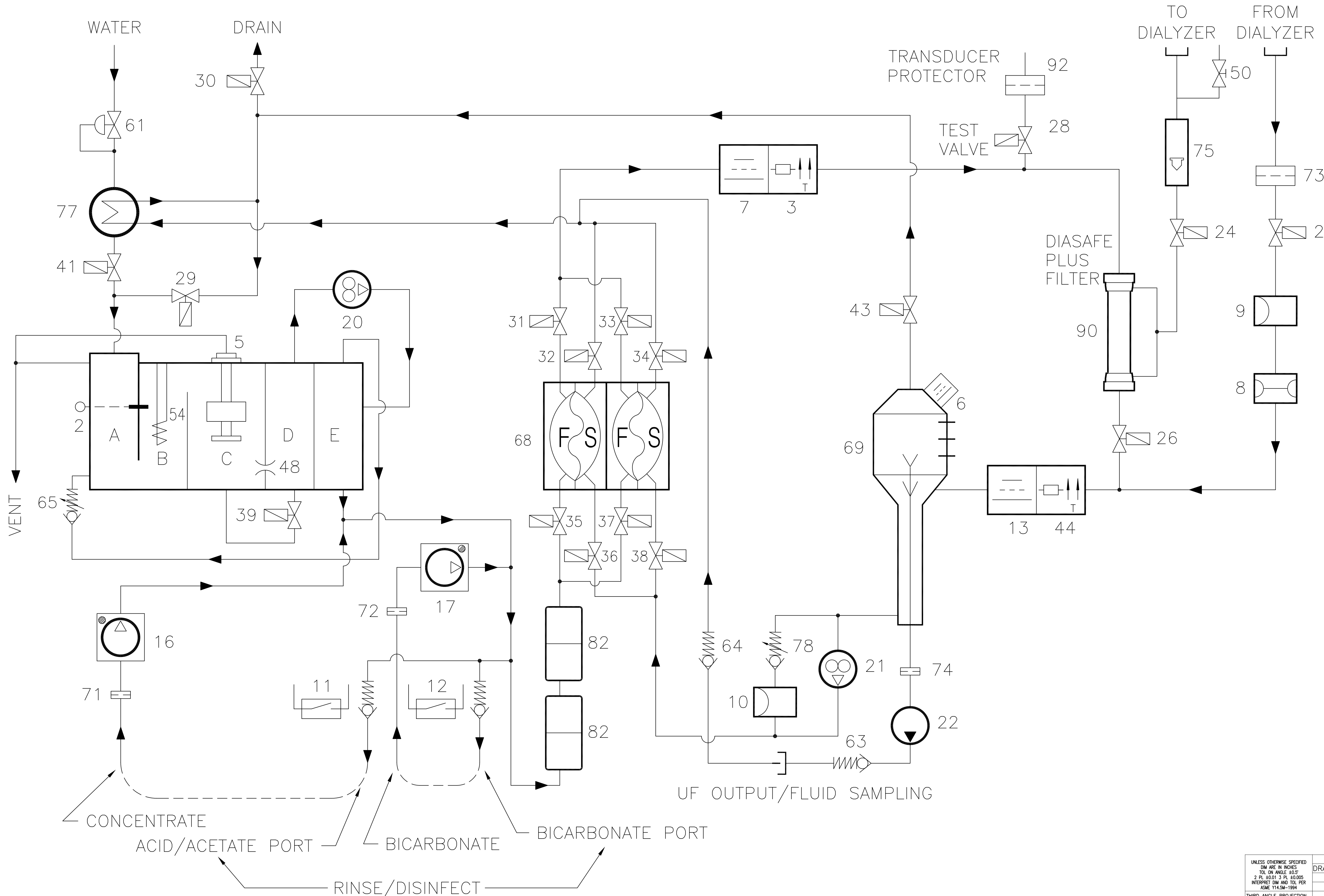


HYDRAULICS: 2008T WITH DIASAFE PLUS FILTER AND ONLINE CLEARANCE

REV.	RELEASE DATE	EFFECTIVE DATE	ORIGINATOR	CHANGE#	DESCRIPTION OF CHANGES	APPROVAL
A	04/11/08	04/11/08	J. FOX	24905	RELEASE	R. RAMOS
B	05/04/12	05/04/12	J. FOX	0N041884	ADDED ITEM #50, SAMPLING VALVE	A. BHATIA
C	03/07/15	03/07/15	J. FOX	0N050550	NEW ROUTE FOR V29	L. PANTOJA



COMPONENT LIST FOR FLOW DIAGRAM 2008T

2. TEMPERATURE CONTROL THERMISTOR
3. TEMPERATURE MONITOR THERMISTOR
5. FLOAT SWITCH
6. AIR SENSOR IN AIR SEPARATOR CHAMBER.
7. CONDUCTIVITY CELL
8. BLOOD LEAK DETECTOR
9. DIALYSATE PRESSURE TRANSDUCER
10. CHAMBER FULL SWITCH
11. REED SWITCH CONCENTRATE WAND
12. REED SWITCH BICARBONATE WAND
13. POST CONDUCTIVITY CELL
16. CONCENTRATE PUMP
17. BICARBONATE PUMP
20. DEAERATION PUMP
21. FLOW PUMP
22. UF PUMP
24. DIALYZER VALVE 1
25. DIALYZER VALVE 2
26. BYPASS VALVE
28. TEST VALVE
29. RECIRCULATION VALVE
30. DRAIN VALVE
31. BALANCE CHAMBER VALVE
32. BALANCE CHAMBER VALVE
33. BALANCE CHAMBER VALVE
34. BALANCE CHAMBER VALVE
35. BALANCE CHAMBER VALVE
36. BALANCE CHAMBER VALVE
37. BALANCE CHAMBER VALVE
38. BALANCE CHAMBER VALVE
39. BYPASS VALVE FOR DEAERATION ORIFICE
41. WATER INLET VALVE
43. VENT VALVE FOR AIR SEPARATION CHAMBER
44. POST TEMPERATURE THERMISTOR
48. DEAERATION ORIFICE
50. SAMPLING VALVE
54. HEATER
61. WATER INLET PRESSURE REGULATOR
63. CHECK VALVE FROM UF PUMP TO SAMPLE PORT
64. CHECK VALVE FROM SAMPLE PORT TO DRAIN
65. LOADING PRESSURE VALVE
69. AIR SEPARATION CHAMBER
71. ACID/ACETATE FILTER
72. BICARBONATE FILTER
73. FROM DIALYZER LINE FILTER
74. UF PUMP FILTER
75. DIALYSATE LINE FLOW INDICATOR
77. HEAT EXCHANGER
78. FLOW PUMP PRESSURE RELIEF VALVE
82. MIXING CHAMBER
90. DIASAFE PLUS FILTER
92. TRANSDUCER PROTECTOR

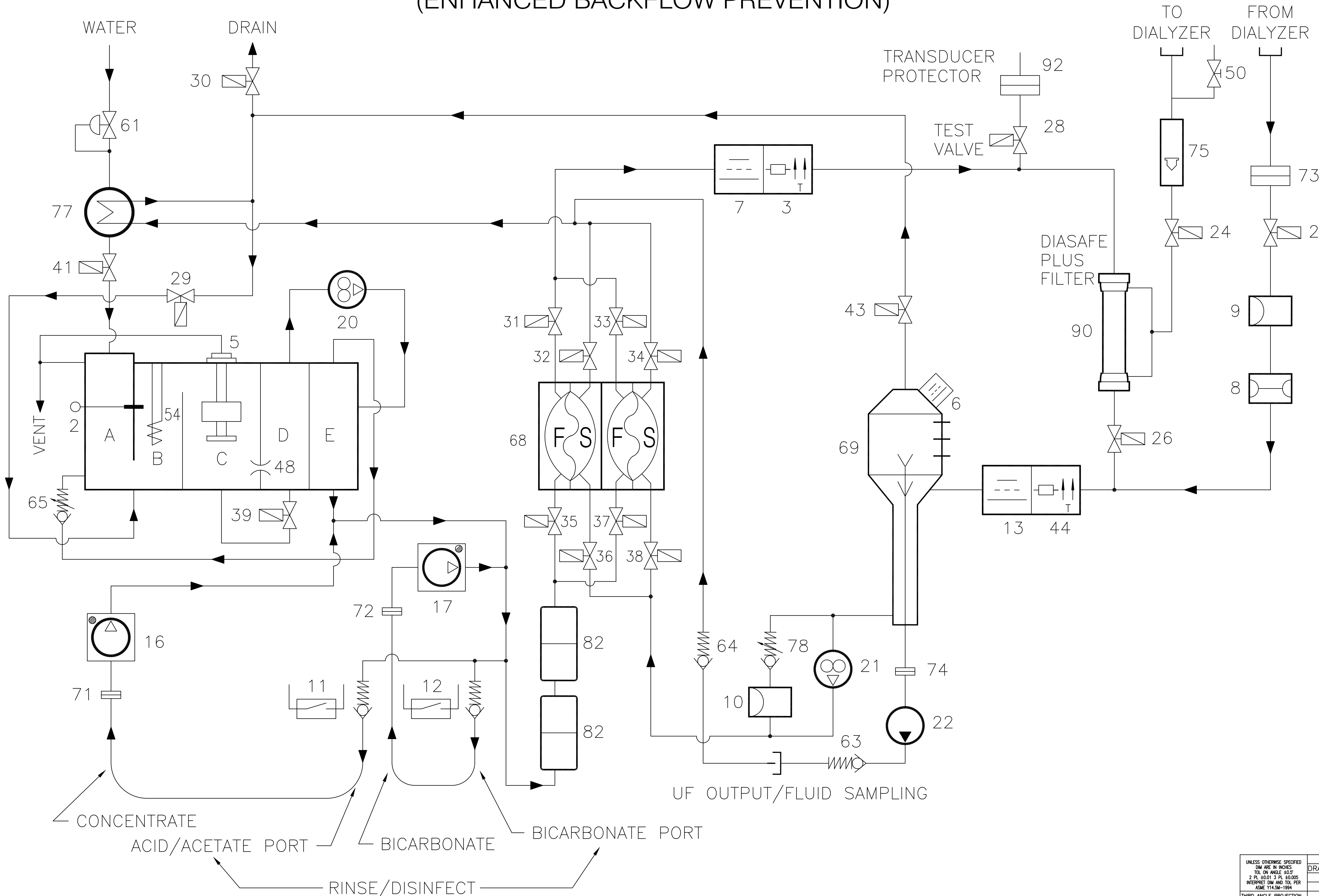
UNLESS OTHERWISE SPECIFIED
DIM ARE IN INCHES
TOL ON ANGLE ±0.5°
2 PL. ±0.01 3 PL. ±0.005
INTERPRET DIM AND TOL PER
ASME Y14.5M-1994

THIRD ANGLE PROJECTION

MATERIAL N/A
FINISH N/A
DO NOT SCALE DRAWING

NAME	DATE	Fresenius Medical Care	
DRAWN J. FOX	03/04/08	2008T HYDRAULIC FLOW DIAGRAM	
COMMENTS: N/A			
SIZE D	DWG. NO. 700078	REV. C	
SCALE: 1:1	CAD: AUTOCAD	SHEET 1 OF 2	

HYDRAULICS: 2008T WITH DIASAFE PLUS FILTER AND ONLINE CLEARANCE (ENHANCED BACKFLOW PREVENTION)



COMPONENT LIST FOR FLOW DIAGRAM 2008T

2. TEMPERATURE CONTROL THERMISTOR
3. TEMPERATURE MONITOR THERMISTOR
5. FLOAT SWITCH
6. AIR SENSOR IN AIR SEPARATOR CHAMBER.
7. CONDUCTIVITY CELL
8. BLOOD LEAK DETECTOR
9. DIALYSATE PRESSURE TRANSDUCER
10. CHAMBER FULL SWITCH
11. REED SWITCH CONCENTRATE WAND
12. REED SWITCH BICARBONATE WAND
13. POST CONDUCTIVITY CELL
16. CONCENTRATE PUMP
17. BICARBONATE PUMP
20. DEAERATION PUMP
21. FLOW PUMP
22. UF PUMP
24. DIALYZER VALVE 1
25. DIALYZER VALVE 2
26. BYPASS VALVE
28. TEST VALVE
29. RECIRCULATION VALVE
30. DRAIN VALVE
31. BALANCE CHAMBER VALVE
32. BALANCE CHAMBER VALVE
33. BALANCE CHAMBER VALVE
34. BALANCE CHAMBER VALVE
35. BALANCE CHAMBER VALVE
36. BALANCE CHAMBER VALVE
37. BALANCE CHAMBER VALVE
38. BALANCE CHAMBER VALVE
39. BYPASS VALVE FOR DEAERATION ORIFICE
41. WATER INLET VALVE
43. VENT VALVE FOR AIR SEPARATION CHAMBER
44. POST TEMPERATURE THERMISTOR
48. DEAERATION ORIFICE
50. SAMPLING VALVE
54. HEATER
61. WATER INLET PRESSURE REGULATOR
63. CHECK VALVE FROM UF PUMP TO SAMPLE PORT
64. CHECK VALVE FROM SAMPLE PORT TO DRAIN
65. LOADING PRESSURE VALVE
69. AIR SEPARATION CHAMBER
71. ACID/ACETATE FILTER
72. BICARBONATE FILTER
73. FROM DIALYZER LINE FILTER
74. UF PUMP FILTER
75. DIALYSATE LINE FLOW INDICATOR
77. HEAT EXCHANGER
78. FLOW PUMP PRESSURE RELIEF VALVE
82. MIXING CHAMBER
90. DIASAFE PLUS FILTER
92. TRANSDUCER PROTECTOR

UNLESS OTHERWISE SPECIFIED DIM ARE IN INCHES TOL ON ANGLE ±0.5° 2 PL 50.001 3 PL 50.005 INTERPRET DIM AND TOL PER ASME Y14.5M-1994	NAME J. FOX	DATE 03/04/08		2008T HYDRAULIC FLOW DIAGRAM
THIRD ANGLE PROJECTION 	COMMENTS: N/A		SIZE D	DWG. NO. 700078
FINISH N/A	SCALE: 1:1		CAD: AUTOCAD	REV. C
SHEET 2 OF 2				

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