

## TYPICAL ALARMS - EXAMPLES

ALARMS	CAUSE	TROUBLESHOOTING
ACCESS EXTREMELY NEGATIVE	<p style="text-align: center;"> <b>LINE CLAMPED</b>  <b>PATIENT MOVING / COUGHING</b>  <b>BLOOD FLOW RATE TOO HIGH</b>  <b>VASCULAR CATHETER TOO SMALL</b>  <b>VASCULAR CATHETER KINKED</b>  <b>VASCULAR CATHETER CLOTTING</b>  <b>ACCESS TRANSDUCER FAILURE</b> </p>	<p style="text-align: center;"> <b>UNCLAMP LINE</b>  <b>LET PATIENT SETTLE</b>  <b>DECREASE FLOW RATE</b>  <b>CHANGE CATHETER</b>  <b>REPOSITION TRANSDUCER POD</b>  <b>CALL SERVICE BIOENGINEER</b> </p>
ACCESS EXTREMELY POSITIVE	<p style="text-align: center;"> <b>PATIENT MOVING / COUGHING</b>  <b>BLOOD FLOW RATE TOO LOW</b>  <b>ACCESS TRANSDUCER FAILURE</b> </p>	<p style="text-align: center;"> <b>LET PATIENT SETTLE</b>  <b>DECREASE FLOW RATE</b>  <b>CHANGE CATHETER</b>  <b>REPOSITION TRANSDUCER POD</b>  <b>CALL SERVICE BIOENGINEER</b> </p>
RETURN EXTREMELY POSITIVE	<p style="text-align: center;"> <b>LINE CLAMPED</b>  <b>PATIENT MOVING / COUGHING</b>  <b>BLOOD FLOW RATE TOO HIGH</b>  <b>VASCULAR CATHETER TOO SMALL</b>  <b>VASCULAR CATHETER KINKED</b>  <b>VASCULAR CATHETER CLOTTING</b>  <b>ACCESS TRANSDUCER FAILURE</b> </p>	<p style="text-align: center;"> <b>UNCLAMP LINE</b>  <b>LET PATIENT SETTLE</b>  <b>DECREASE FLOW RATE</b>  <b>CHANGE CATHETER</b>  <b>REPOSITION TRANSDUCER POD</b>  <b>CALL SERVICE BIOENGINEER</b> </p>
RETURN EXTREMELY NEGATIVE	<p style="text-align: center;"> <b>PATIENT MOVING / COUGHING</b>  <b>BLOOD FLOW RATE TOO LOW</b>  <b>ACCESS TRANSDUCER FAILURE</b> </p>	<p style="text-align: center;"> <b>LET PATIENT SETTLE</b>  <b>DECREASE FLOW RATE</b>  <b>CHANGE CATHETER</b>  <b>REPOSITION TRANSDUCER POD</b>  <b>CALL SERVICE BIOENGINEER</b> </p>
AIR IN BLOOD	<p style="text-align: center;"> <b>AIR IN TUBING</b>  <b>AIR / FOAM IN TUBING</b>  <b>DIRTY TUBING</b> </p>	<p style="text-align: center;"> <b>CHECK FOR AIR IN RETURN LINE</b>  <b>CHECK FOR EMPTY FLUID BAGS</b>  <b>CHECK CONNECTIONS</b>  <b>CHECK FOR TUBING KINKS</b>  <b>MANUAL AIR / FOAM REMOVAL</b>  <b>CLEAN TUBING</b> </p>

<b>BLOOD DETECTED IN SET</b>	<b>ACTUAL BLOOD IN TUBING – HEMOLYSIS FILTER RUPTURE FOAM IN RETURN LINE TURBIDITY – LIPIDS, BILE TUBING MALPOSITION SENSOR FAILURE</b>	<b>TEST EFFLUENT FOR BLOOD CHECK TUBING RE-NORMALIZE BLD CHANGE SET</b>
<b>CLAMPED LINES</b>	<b>A LINE IS CLAMPED FAULTY SET PRESSURE SENSOR FAILURE</b>	<b>UNCLAMP LINE CHANGE SET DISCONNECT &amp; CALL SERVICE</b>
<b>EFFLUENT BAG FULL</b>	<b>EFFLUENT BAG IS FULL EFFLUENT BAG NOT HANGING FREELY FOREIGN OBJECT ON SCALES</b>	<b>CHANGE BAG REMOVE OBSTRUCTION REMOVE FOREIGN OBJECT</b>
<b>FILTER CLOTTED</b>	<b>CLOTS HAVE FORMED IN FILTER CLAMPED LINES ULTRAFILTRATION RATE TOO HIGH PRESSURE SENSOR FAILURE ANTICOAGULANT DELIVERY FAILURE</b>	<b>CHANGE SET UNCLAMP LINES REDUCE FLOW RATE REPOSITION TRANSDUCER PODS REESTABLISH ANTICOAGULATION</b>
<b>POWER FAILURE</b>	<b>POWER LOST FOR MORE THAN 15 SECONDS POWER FAILURE CORD UNPLUGGED</b>	<b>REESTABLISH MAIN POWER RECOMMENCE THERAPY</b>
<b>RECIRCULATION TIME EXCEEDED</b>	<b>RECIRCULATION TIME EXCEEDED GAMBRO RECOMMENDATION LIMIT</b>	<b>STOP RECIRCULATION &amp; RESUME TREATMENT CHANGE SET</b>
<b>WRONG SET LOADED</b>	<b>FAILURE OF RECOGNITION TEST</b>	<b>CHECK SET MATCHES THE THERAPY UNLOAD CURENT SET / NEW SET</b>
<b>ACCESS PRESSURE RISING</b>	<b>LEAK / DISCONNECTION ACCESS LINE PATIENT MOVEMENT OBSTRUCTED BLOOD FLOW PATHWAY AFTER ACCESS PRESSURE POD</b>	<b>LEAK IN SYSTEM CHECK CONNECTIONS CHECK FOR OBSTRUCTIONS CHANGE SET</b>

<b>TMP EXCESSIVE</b> TRANS MEMBRANE PRESSURE	<b>ULTRAFILTRATION RATE TOO HIGH</b> <b>INCORRECT FILTER / EFFLUENT</b> <b>PRESSURES</b> <b>INEFFECTIVE ANTICOAGULATION</b>	<b>DECREASE PBP / REPLACEMENT /</b> <b>FLUID REMOVAL RATES</b> <b>PERFORM SELF TEST – SYSTEM</b> <b>TOOLS</b> <b>REEVALUATE ANTICOAGULATION</b>
<b>DIALYSATE WEIGHT</b>	<b>CLOSED CLAMP / KINKED LINE</b> <b>MAJOR LINE / BAG LEAK</b> <b>BAG SWINGING</b> <b>INCORRECT BAG PUNCTURE / OPENING</b> <b>AIR IN SOLUTION BAG</b>	<b>UNCLAMP / KINK LINES</b> <b>STOP LEAK</b> <b>OPEN BAG CORRECTLY</b> <b>CHANGE BAG</b>
<b>GAIN LIMIT REACHED</b>	<b>MULTIPLE INCORRECT WEIGHT ALARMS</b>	<b>TREATMENT MUST BE ENDED</b> <b>CHANGE SET</b> <b>COMMENCE NEW TREATMENT</b>
<b>LOW BATTERY</b>	<b>MAIN POWER FAILURE</b> <b>POWER CORD UNPLUGGED</b> <b>BATTERY DEPLETED</b>	<b>RECONNECT POWER SOURCE</b> <b>END THERAPY</b> <b>RETURN PATIENT BLOOD</b> <b>CALL BIOENGINEER</b>
<b>BAG VOLUME INCORRECT</b>	<b>NO BAG ON SCALE</b> <b>FOREIGN OBJECT ON SCALE</b> <b>BAG NOT HANGING FREELY</b>	<b>CONNECT A NEW BAG</b> <b>REMOVE FOREIGN OBJECT</b> <b>REMOVE OBSTRUCTION</b>
<b>BAG / CONTAINER EMPTY</b>	<b>EMPTY BAG</b> <b>BAG MAY NOT BE HANGING FREELY</b>	<b>CONNECT A NEW BAG</b> <b>REMOVE OBSTRUCTION</b>
<b>INCORRECT REPLACEMENT</b> <b>FLOW</b>	<b>LEAK ON REPLACEMENT LINE / BAG</b> <b>INEFFECTIVE BAG FRANGIBLE PIN BREAK</b> <b>INEFFECTIVE BAG SPIKING</b> <b>REPLACEMENT BAG SCALE FAILURE</b>	<b>CHECK FOR LEAKS</b> <b>REEVALUATE PIN BREAKAGE</b> <b>CHECK SPIKING</b> <b>PERFORM REPOSITION POD</b>
<b>SCALE OPEN</b>	<b>SCALE NOT PROPERLY CLOSED</b>	<b>INSPECT SCALE AND CLOSE</b> <b>CORRECTLY</b>