TRANSDUCER SIGNALS - (DATA TO ELECTRONICS) CONTROL SIGNALS - (DATA FROM ELECTRONICS) 1 OXYGEN PRESSURE TRANSDUCER (9) FLOW CONTROL SOLENOID 2 AIR PRESSURE TRANSDUCER 10) DUMP SOLENOID 3 PROXIMAL PRESSURE TRANSDUCER (11) EXHALATION SOLENOID (4) MACHINE PRESSURE TRANSDUCER (5) INSPIRATORY FLOW CONTROL VALVE POSITION 6 BASE FLOW CONTROL VALVE POSITION 7 FLOW SENSOR 8 DIFFERENTIAL PRESSURE TRANSDUCER 0₂ DISS DEMAND CHECK FITTING CHECK VALVE O2 REGULATOR O2 PRESSURE TRANSDUCER ADJUSTABLE OVER PRESSURE BASE FLOW 02> CONTROL VALVE RELIEF VALVE (10) FILTER CHECK VALVE CHECK DUMP SOLENOID VALVE CHECK AIR REGULATOR SUB-AMBIENT FILTER RELIEF VALVE FLOW CONTROL PRESSURE TRANSDUCER AIR/02 BLENDER SOLENOID > TO PATIENT INSPIRATORY AIR FLOW CONTROL VALVE MACHINE CHECK VALVE (5)PRESSURE TRANSDUCER COALESCING FILTER (4) PROXIMAL BLEED 2 PURGE PRESSURE VALVE ORIFICE TRANSDUCER FLOW → PATEINT SENSOR PROXIMAL PROXIMAL AIRWAY PRESSURE 7 OVERPRESSURE GAUGE VALVE BLEED FROM REGULAR TO EXHAUST INSPIRATORY PRESSURE COMPLIANCE VOLUME VALVE RESISTANCE COMPENSATOR PIP REFERENCE PRESSURE DIFFERENTIAL PRESSURE PEEP VALVE ✓ FROM PATIENT— TRANSDUCER

PEEP REFERENCE

PRESSURE

EXHALATION

VALVE

EXHALATION

SOLENOID