
Kidney Dialysis -- Medical

PRESSURE

AP 00253

PRODUCT

20 PC flow thru

APPLICATION

The medical field is the largest and fastest growing pressure sensor market. A major role is played in kidney dialysis equipment. Although there are many different dialysis methods, the basic principle is the same. The dialysate solution is pumped up to a specific pressure and flows into an exchange chamber, where a semipermeable membrane separates it from the patient's blood. The blood is also pumped up to a specific pressure usually higher than the dialysate, which forces the impurities in the blood through the membrane and into the dialysate solution. At present, two to five sensors are required in varying pressure ranges. Typical ranges are 15 psig to 30 psig. The 20 PC's unique design allows it to monitor the pressure, then be flush cleaned after each use.