BAKER PERKINS
MODEL A-1 PODBIELNIAK® CENTRIFUGAL CONTACTOR

EXTRACTION
REACTION
WASHING
SEPARATION

PILOT PLANT OR
LABORATORY SCALE

THE BAKER PERKINS MODEL A-1 PODBIELNIAK CENTRIFUGAL CONTACTOR is a versatile, reliable, highly productive and inexpensive laboratory scale device which has found wide application in liquid-liquid extraction, separation, washing, or reaction processing. Upon its introduction in 1968 the Pod® A-1 Contactor received honors in that year’s John C. Vaaler Award competition based on its ability to fill a need for fast, low cost laboratory studies with a centrifugal device simple enough for a technician to operate alone.

HIGHLY PRODUCTIVE

BAKER PERKINS MODEL A-1 POD CONTACTOR will maximize your Experimental Productivity. The POD A-1 system will yield more liquid-liquid extraction data per technical man hour than any other device. High throughputs, low hold-up volume and the countercurrent multi-stage counterbalance rapid establishment of process equilibrium. Simple flow temperature or pressure adjustments will produce exceptionally fast process responses.

CONVENIENT

The BAKER PERKINS POD A-1 system was designed for maximum operating convenience. One flow adjustment will change the extraction phase ratio immediately without requiring cumbersome changes to several inter-stage pumps. A simple pressure adjustment is all that is required to change the dispersed phase into the continuous phase. The compact size facilitates rapid reaching thermal equilibrium. One man can easily move the rotor assembly to the sink whenever the rotor is to be flushed out.

VERSATILE

Process flexibility is an added advantage designed into the BAKER PERKINS POD A-1 system. The contactor elements can be substituted for alternate designs in order to achieve optimum performance over widely divergent process applications. Acid Treating, Lube Oil Extraction, Vegetable Oil Processing, Pharmaceutical Extractions and a host of other applications have been proven successful in POD A-1 units. The pattern of inlets and outlets within the rotor and at the external seal connections can be field modified to accommodate changes in application. Thus the Pod A-1 system has been designed to provide an “obsolescence-proof” experimental tool to industry.

FIGURE 12