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## LIQUID - LIQUID CENTRIFUGE FOR SEPARATING LIQUIDS OF DIFFERING DENSITIES

**Our Liquid Liquid Centrifuge is designed for separating liquids of differing densities, such as oil from water.** The efficiency of the separation is affected by the difference in specific gravities between the liquids to be separated. A minimum difference is required for adequate operation, while with larger specific gravity differences, up to 99% efficient separations may be achieved. The centrifuge may be adjusted to operate effectively for a wide range of specific gravities. The liquid liquid centrifuge's specially designed basket allows the separation of insoluble liquids, and any accumulated solids may also be easily removed manually.

The gravity separation principles apply to the centrifugal separation, however the centrifuge is able to develop up to 2200 'G' s, and the centrifugal forces generate constant acceleration away from the center of rotation, forcing the higher density material against the centrifuge's basket wall and allowing the lighter density material to flow up and over the centrifuge's basket wall. By imparting 2,000 times the gravitational force to separate liquids, the separation occurs much faster than it would under static settling conditions.



**Liquid Liquid Centrifuge  
Model 1912 Shown Separating  
Oil From Water**

Catalog Number	Description	Max 'G' Force	Sludge Cpty (In <sup>3</sup> )	Max Feed Rate (GPH)	Basket Dia.
070D-030	Liquid Liquid Centrifuge, Mdl 1912	2200	180	100	12
070D-035	Liquid Liquid Centrifuge, Mdl 3220	1800	1160	250	20

Standard Materials of construction are aluminum body and lid with stainless steel basket. The centrifuge is optionally available in all wetted parts of 316 stainless steel construction.