

1PS Phase Separator Paper

The Whatman 1PS Phase Separator is a high grade filter paper impregnated with a stabilized silicone that renders it hydrophobic, retaining the aqueous phase and passing the solvent phase through.

Automatic Cut-off, Separatory Funnel Replacement

After being shaken, the mixed organic and aqueous phase is poured directly into the quadrant-folded 1PS circle in a funnel. The separation is extremely rapid so it is unnecessary to wait until the two phases have settled into separate layers. Droplets are automatically separated after only a few moments, providing a solvent phase completely free of the aqueous phase.

In many applications, 1PS can replace the use of separatory funnels. The solvent phase flows through the paper quickly and cleanly. It then stops automatically, leaving the aqueous phase completely in the paper. This feature is particularly important when carrying out a large number of routine solvent extractions at the same time. Samples can be shaken with solvent in stoppered conical flasks or test tubes and transferred directly to funnels containing 1PS.

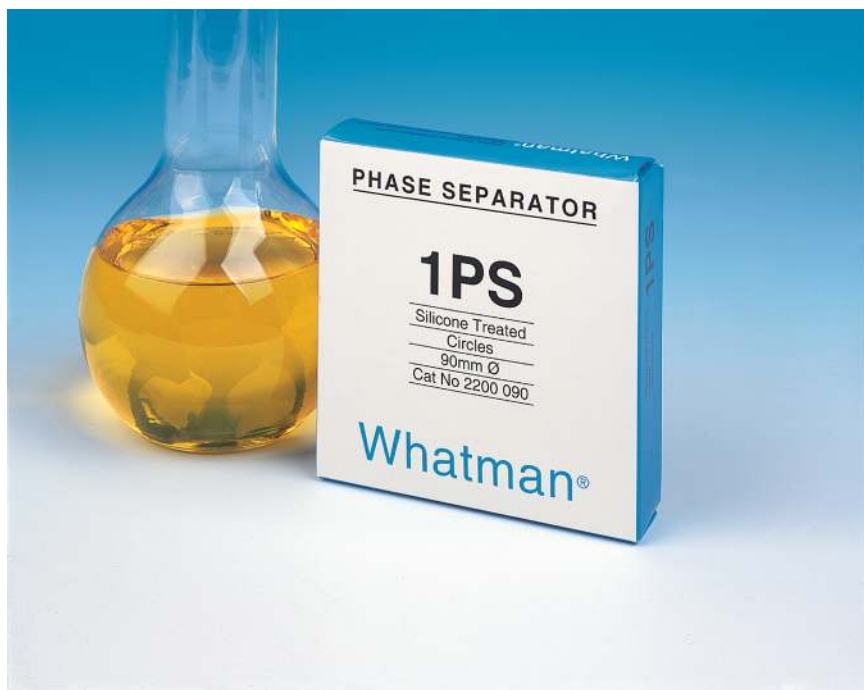
Unsupervised Separation

A chief benefit of the 1PS method is that cut-off is automatic and complete just as soon as the solvent phase has passed through.*

Features and Benefits

- Ease of use. No special training required
- Any number of separations can proceed together
- Staff involvement in routine separation is minimized

* Water may break through upon prolonged standing



Ordering Information

1PS Phase Separators (Circles)		
Catalog Number	Diameter	Quantity/Pack
2200-070	7.0	100
2200-090	9.0	100
2200-110	11.0	100
2200-125	12.5	100
2200-150	15.0	100
2200-185	18.5	100
2200-240	24.0	100
2200-270	27.0	100