

The CondenSyn Distillation Adapter

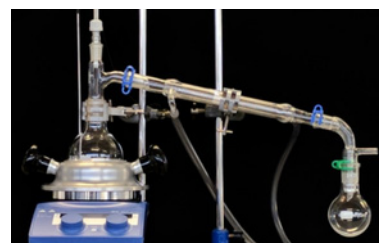
New application tool developed in partnership with the University of East Anglia

The CondenSyn Distillation Adapter allows chemists to use the CondenSyn waterless air condenser in a vertical orientation for distillation purposes.

This new application represents an extension to the capabilities and potential water savings delivered by the CondenSyn in laboratories worldwide.

Our customers are concerned about both the environmental impact and indeed running costs of running a research facility where a waterless condenser is considered an essential tool. The alternative, CondenSyn, not only reduces water waste dramatically but is easy to clean, fast to set up, simple to swap between sizes, and has a handy non-roll feature to stop accidents when left on a bench.

Paired with the new Distillation Adapter, CondenSyn provides unbeatable value for the planet and for your budget!



Data:

Tests were completed using an IKA RCT basic with PT1000 temperature probe, DrySyn Scholar heat block, 250 ml round bottom flask, cone thread adapter fitted with thermometer and 100 ml round bottom collection flask. For experiments using the conventional apparatus a still head, water condenser, and vented bend were used. For the CondenSyn experiments the distillation attachment and a CondenSyn replaced these items, pictured right.

The CondenSyn Distillation Adapter

Test Data

Experiment	Duration (mins)	Condenser Type	% Loss
Clove oil distillation	90	CondenSyn	0.88
		Water Condenser	1.40
Ethanol removal (50:50 aqueous base/ ethanol)	60	CondenSyn	0.63
		Water Condenser	1.17
Methanol removal (90:10 ethan-1,2-diol/ methanol)	60	CondenSyn	0.62
		Water Condenser	0.72
Cyclopentadiene distillation	60	CondenSyn	0.64
		Water Condenser	0.51
Pyrrole vacuum distillation	30	CondenSyn	2.01
		Water Condenser	1.66



Purchase options

Choose your CondenSyn:

GB-C-200-B24: 200mm CondenSyn with B24 socket

GB-C-350-B24: 350mm CondenSyn with B24 socket

GB-C-450-B24: 450mm CondenSyn with B24 socket

Then add the Distillation Adapter

GB-C-DIST-B24 CondenSyn Distillation Adapter with B24 fittings