

Comparative data of solvent evaporation rates between two concentrators

RAPID EXTEST & TurboVap LV

Comparative Data of Evaporation Rates Between RAPID EXTEST and TurboVap

Solvent	RAPID EXTEST				TurboVap LV			
	Temp (°C)	Solvent Volume (ml)	Approximate Time (min)	Evaporation Rates ml/min	Temp (°C)	Solvent Volume (ml)	Approximate Time (min)	Evaporation Rates ml/min
Methylene Chloride	40	5	2.40	2.08	35	10	20	0.50
Ethyl Acetate	40	5	3.4	1.47	35	10	35	0.29
					50	10	15	0.67
					60	10	10	1.00
					70	10	7	1.43
Methanol	40	5	8.1	0.62	35	10	50	0.20
					50	10	26	0.38
					60	10	18	0.56
Water	40	5	35.5	0.14	50	10	210	0.05
					60	10	140	0.07
					70	10	100	0.10
Acetone	40	5	3.4	1.47	No information			
Ethanol	40	5	5.5	0.91	No information			
Hexane	No information				35	10	19	0.53
					50	10	11	0.91
					60	10	7	1.43
Acetonitrile	No information				35	10	55	0.18
					50	10	32	0.31
					60	10	22	0.45
					70	10	15	0.67
Acn/Water	No information				70	10	65	0.15
Methanol/H2O	No information				70	10	65	0.15

This is not based on direct comparative experiments of two concentrators. However, it refers to two separate experiments conducted by each company, which is commercially available. We calculated evaporation rates, ml/min, for easier comparison. As an overall trend, RAPID EXTEST shows faster solvent evaporation at lower temperature than TurboVap LV.