

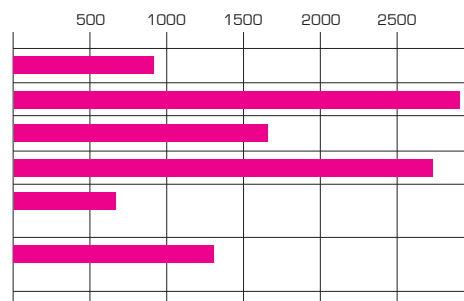


VAPLOCK EF-100 SOLVENT BREAKTHROUGH INFORMATION

- Minimize solvent exhaust entering the lab
- Ideal for HPLC and other solvent systems
- GC tested for breakthrough

BREAKTHROUGH INFORMATION OF SIX KEY CHROMATOGRAPHY SOLVENTS

SOLVENT TESTED	TEST TIME (MIN)	FLOW (ML/MIN)	VOLUME (LITERS)	MASS TRAPPED (G)	LIFETIME HOURS 8g CARTRIDGE 1	LIFETIME HOURS 80g CARTRIDGE 2
ACETONE	240	23	5.52	0.59	92	920
ACETONITRILE	830	21	17.43	0.84	291	2910
ETHYL ACETATE	240	42	10.08	1.67	168	1680
METHANOL	780	21	16.38	2.18	273	2730
METHYLENE CHLORIDE	90	42	3.78	3.32	63	630
TETRAHYDRO- FURAN (THF)	370	22	8.14	0.81	136	1360



- 1 - AN 8G CARBON SAMPLE WAS USED TO CONDUCT EACH TEST
2 - DATA EXTRAPOLATED FROM 8G SAMPLE

THE DATA ABOVE IS COMPILED FROM A SERIES OF GC STUDIES; RESULTS ASSUME A CONSTANT FLOW RATE OF 1ML/MINUTE AT STANDARD TEMPERATURE AND PRESSURE. SOLVENTS USED WERE AT 100% CONCENTRATION AND WERE SATURATED INTO A NITROGEN STREAM BEFORE PASSING THROUGH THE CARBON SAMPLE.

EF-100 ESTIMATED BREAKTHROUGH (IN HOURS)

ASSUMES 1ML/MINUTE AT STP CONDITIONS
AND 80 GRAM EF-100 VAPLOCK CARTRIDGE.
DATA EXTRAPOLATED FROM 8G TEST SAMPLE SIZE

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