

Perfect PEAK[®]

HPLC STATIC MIXERS

mott
MISSION CRITICAL PRECISION

PerfectPeak[®] Static Mixers offer up to **60% BETTER BASELINE NOISE REDUCTION** and **DETECTION LIMITS** versus **COMPARABLE VOLUME MIXERS**

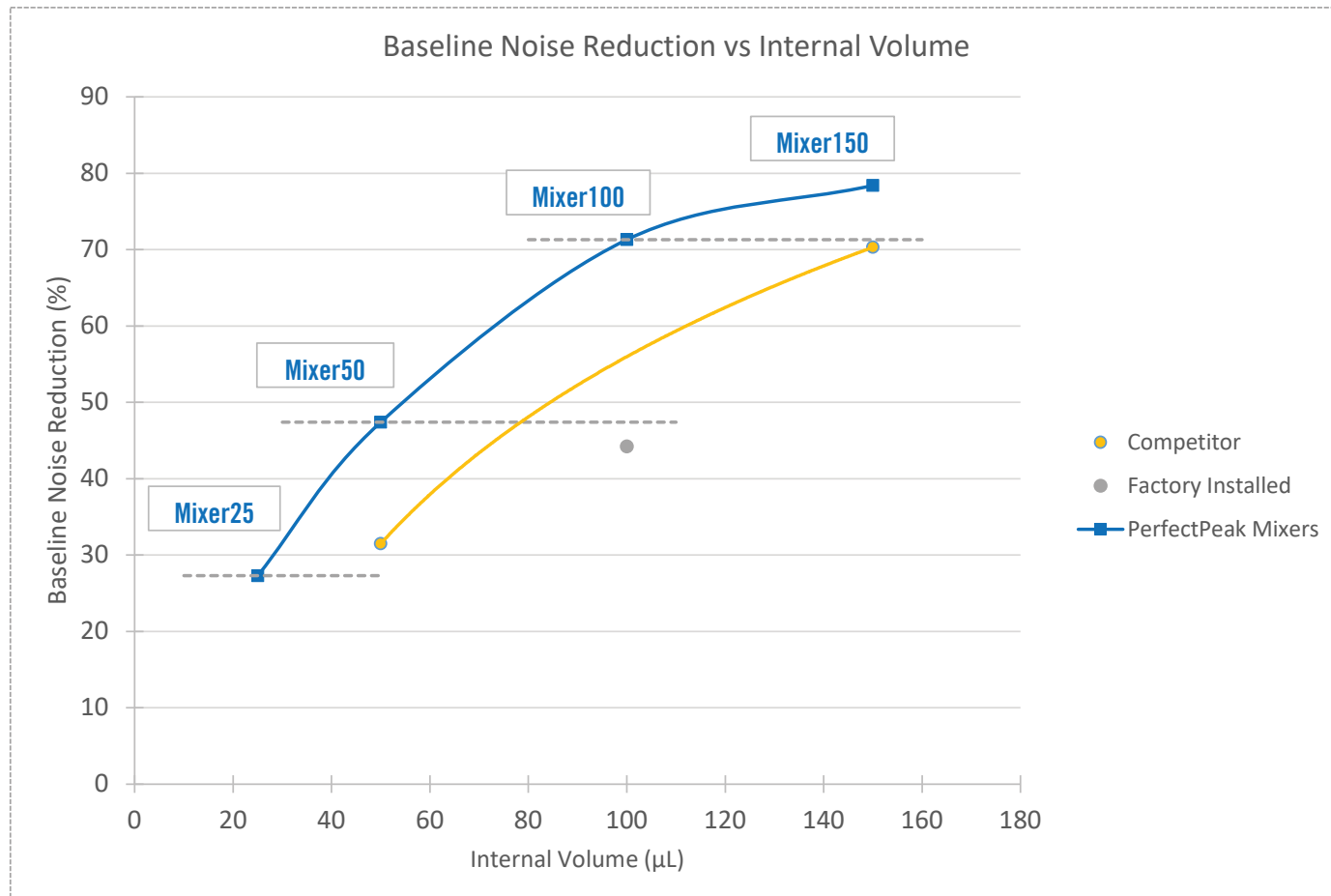
DESCRIPTION

PerfectPeak[®] HPLC Static Mixers utilize cutting edge 3D printing technology to create unique mixing pathways and provide key benefits such as:

- Significant baseline noise reduction
- Compatibility with a wide range of flow rates
- Quick installation into any HPLC system



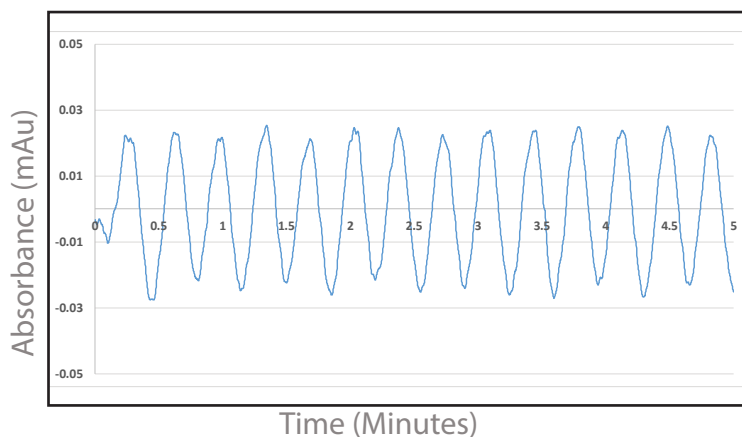
Increase Performance or Decrease Dwell Volume



100 μ L MIXER COMPARISON - 60% PERFORMANCE GAIN WITH PERFECTPEAK

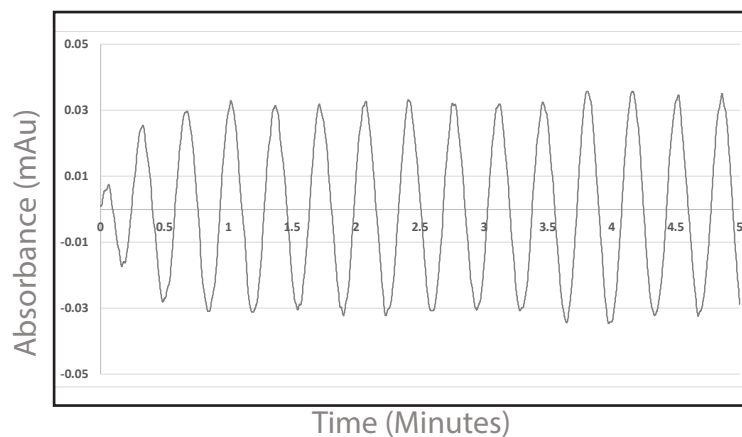
Perfect PEAK[®] MIXER100

Internal Volume	100 μ L
Noise Reduction	70.4%



Factory Installed 100 μ L Mixer

Internal Volume	100 μ L
Noise Reduction	44.2%



PRODUCT SPECIFICATIONS

	MIXER25	MIXER50	MIXER100	MIXER150
Internal Volume	25 μL	50 μL	100 μL	150 μL
Material of Construction	Passivated 316(L) SS			
Pressure Rating	20,000 PSIG / 1379 bar			
Connection Type	Female Compression			
Connection Size	1/16" / 1.59 mm Tube			
Custom connections are available upon request				

ORDERING INFORMATION

Mixer Volume	Length (Inches/mm)	Part Number
MIXER25	1.35 / 34.29	1850011-01-3D
MIXER50	1.70 / 43.18	1850012-01-3D
MIXER100	2.40 / 60.96	1850014-01-3D
MIXER150	2.75 / 69.85	1850015-01-3D

HPLC Conditions for Mixer Testing Performance

Solvent A: 20 mM Solution of Ammonium Acetate in DI H₂O

Mix Ratio: 20% A / 80% B

Detector: Agilent G1314F VWD

Injector: No injection

HPLC Column: Column and Injector Bypassed - Pressure Regulator Employed

Solvent B: 80% Acetonitrile (ACN) / 20% DI H₂O

Flow Rate: 0.5 mL/min

Instrument: Agilent 1260 Binary Pump

Wavelength: 220 nm

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