

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**

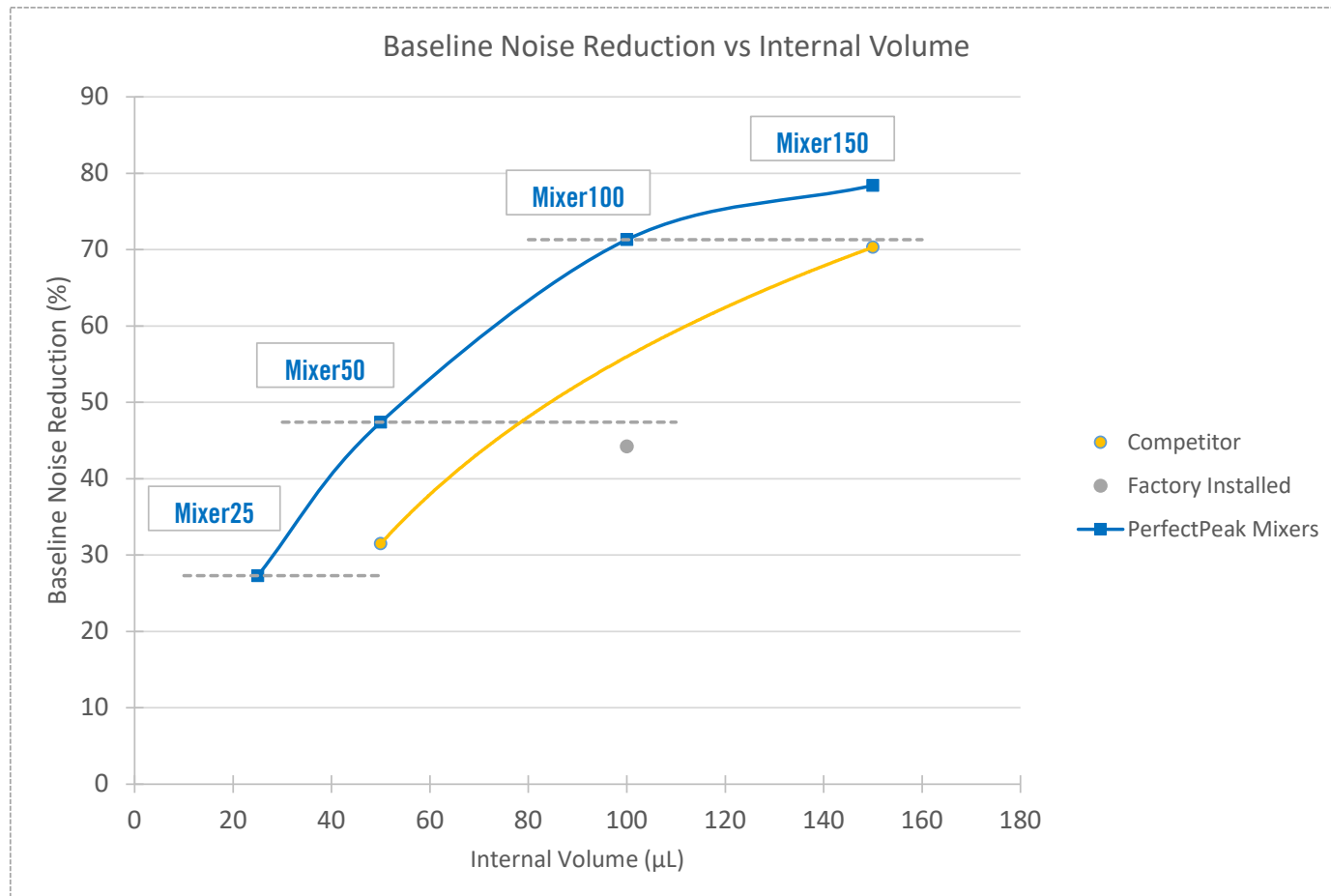
DESCRIPTION

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



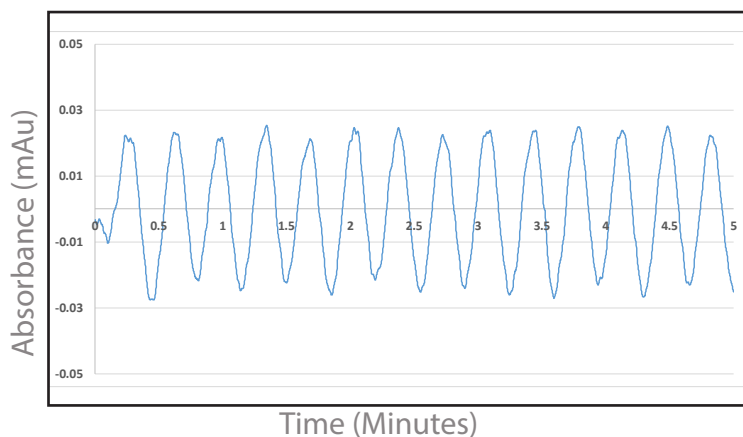
Increase Performance or Decrease Dwell Volume



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

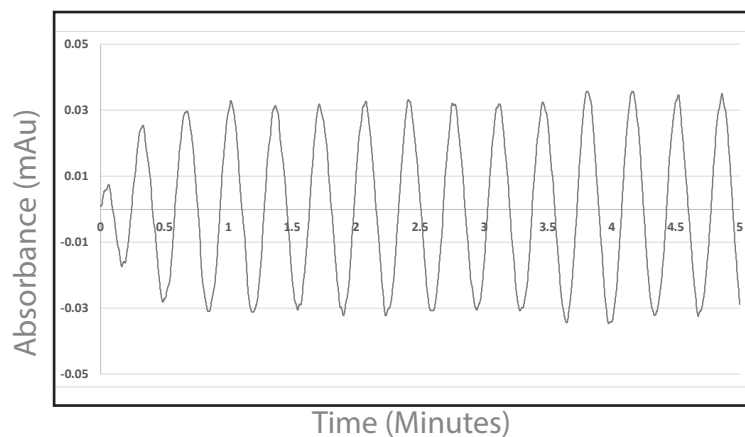
Perfect PEAK[®] MIXER100

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			
Connection Type	Female Compression			
Connection Size	1/16"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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