



ATTRIBUTES

Zymark® TPW3 and APW3 include unique features and capabilities that provide precise and productive unattended sample preparation.

CAPACITY AND FLEXIBILITY	APW3	TPW3
<i>*Up to 300 samples can run unattended using single tube methods</i>	X	
<i>*150 single step dilutions can be performed</i>	X	
*Up to 100 samples can run unattended using a single step dilution		X
<i>*Depending upon method settings, a very large number of methods may be linked together</i>	X	X
<i>*Depending upon method settings, a very large number of methods may be overlapped</i>	X	X
*Up to nine solvents or reagents are available	X	
*Up to five solvents or reagents are available		X
<i>*Abbreviated methods may be used to evaluate functionality</i>	X	X
<i>*Variables can be easily modified for method developers</i>	X	X
DISPERSIONS AND EXTRACTION		
*Disperses samples in vessel with volumes from 50-500mL		X
*High shear homogenizer for fast dispersion and extraction		X
*Disperses samples in test tubes with volumes from 1-8 mL in 16X100 mm tubes	X	
<i>*Redesigned optional sonicating probe to facilitate rapid solubility or extraction</i>	X	
<i>*Infrared temperature measurement for optional sonicating probe</i>	X	
*Filter dispersion with a wide variety of Pall Automation Certified filters	X	X
*Mixing with reciprocating vortexer	X	X
WEIGHING		
*Gravimetric confirmation assures dispenses meet USP and ASTM requirements for volumetric measurement	X	X
*Utilizes a dual range four to five-place balance to weigh samples, add reagents and carry out dilutions	X	X
*Uses a three place balance to weigh dispersant solvent for high shear mixing		X
<i>*Gravimetric assist dispensing may be de-selected to allow for faster operation when accuracy is less critical</i>	X	X
*Gravimetric traceability throughout the sample prep provides a record for OOS investigations and assurance of sample integrity	X	X
DILUTION		
*Dilutions ratios as high as 1:10,000 can be performed	X	X
*Dilution step details are automatically suggested	X	X
<i>*Two single-step dilutions can be performed within a method</i>	X	X
<i>*Overlapping methods allows serial dilutions to be performed</i>	X	X
FINISH		
*HPLC injection is enabled with an on board Rheodyne injector	X	X
<i>*Integrated interface for Waters Empower</i>	X	X
<i>*Versatile control of standards for bracketing</i>	X	X
<i>*Multiple injections may be performed within a method</i>	X	X
*On-line UV/VIS detection via contact closure	X	X
*Samples may be collected in a variety of formats for off line analysis	X	X
*Flexible cleaning capabilities	X	X
SOFTWARE		
<i>*Provided with SQL Server Developer Edition</i>		
<i>*SQL Enterprise Edition Database compatible</i>	X	X
*21CFR11 Compliant	X	X
*Easy to use step by step LUO (Laboratory Unit Operation)	X	X
<i>*Software makes all variables available for each LUO for complete control</i>	X	X
<i>*Security is customer IT configurable to meet your corporate policy</i>	X	X
<i>*Customer IT configurable for LIMS</i>	X	X
<i>*XML, Excel, PDF output supported</i>	X	X
<i>*Diagnostics are captured in the compliant database</i>	X	X
<i>*Fault tolerant networking to shared SQL database</i>	X	X
HARDWARE		
<i>*All new control architecture for supportability and reliability</i>	X	X
<i>*Positive encoder feedback for precise device control</i>	X	X
<i>*Multipoint position referencing</i>	X	X
<i>*Position and click teaching</i>	X	X
<i>*Indicates a NEW feature</i>		

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