

# MINIBLOCK™ XT

## Improve Your Throughput With The METTLER TOLEDO MiniBlock™ Product Family

### Flexible

One platform: 4 volumes



40 – 50 mL  
Working Volume  
6 Vessels



20 – 25 mL  
Working Volume  
12 Vessels



7 – 10 mL  
Working  
Volume  
24 Vessels



2 – 3 mL  
Working  
Volume  
48 Vessels

### Efficient

More synthesized compounds per unit of time

Compact space-saving design

### Compatible

Works with existing equipment in your lab



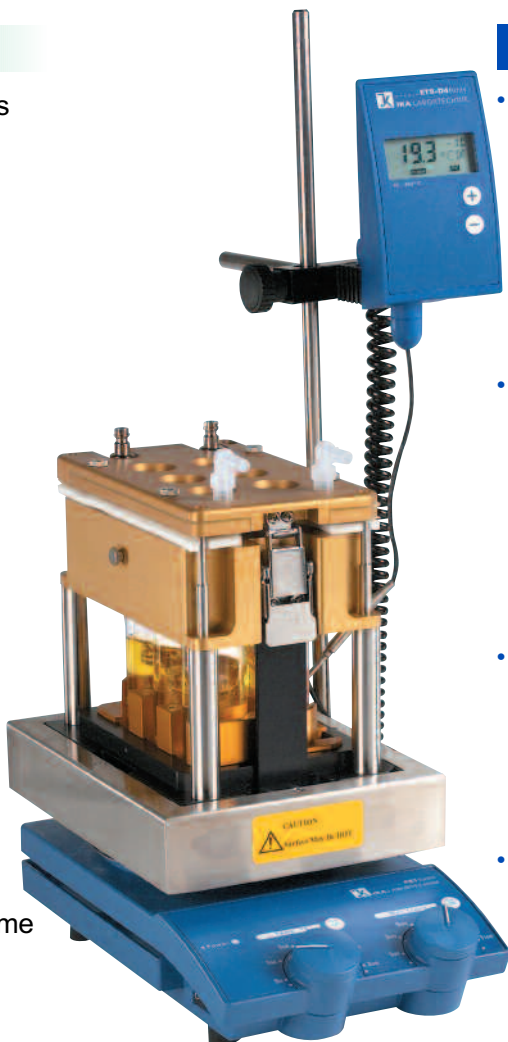
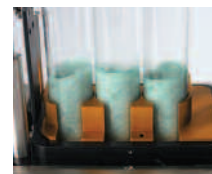
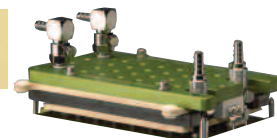
“Since using MiniBlocks, our labs report a 400% increase in new drug candidates and a 40% reduction in development time. MiniBlocks are so widely accepted by our medicinal chemists that 70% of all current programs now use high-throughput chemistry.”  
Dr. Harold Weller,  
Research Fellow, Bristol Myers Squibb, Pharmaceutical Research Institute



XT Plus

### MiniBlock™ XT

- **Modular Racks**  
Readily interchangeable reaction vessel racks  
Automation friendly microtiter formats  
Simple conversion between 6, 12, 24 or 48 reaction arrays
- **Efficient Refluxing**  
Single reflux jacket cools all vessels  
No need for individual condensers  
Quick and easy connections  
Tap water or chiller/recirculator  
Minimal solvent loss (Example: DCM Reflux Loss, 20 HR: 6%)
- **Inert Atmosphere Capability**  
Continuous inert gas flow enables air/moisture sensitive reactions  
Easily add reagents through septum layer
- **Evaporation Capability**  
Directs gas flow into vessel
- **Easy Reaction Set-up**  
All vessels sealed with one layer  
Single septum layer seals vessels and allows easy access to reactions
- **Efficient Magnetic Stirring – Easily Visible**  
Example: 40 mL slurry, 20% solids
- **Precise Temperature Control**  
Controller displays temperature and regulates heating  
Working temperature range: -70°C to +160°C
- **Low Temperature Bath**  
Maintains dry ice/acetone for 4 hours
- **Uniform Heating**  
Insulated design ensures efficient heat transfer  
Fast to temperature  
Temperature uniformity
- **XT Plus** allows heating & cooling via recirculator



Contact Chemglass For  
More Product Information

## MiniBlock™

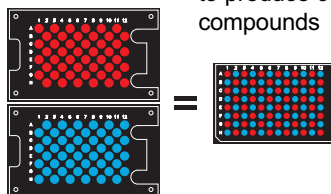
### • Collection Racks

Vast range of racks and containers available, all with microtiter plate footprints  
Compatible with all major parallel evaporators and liquid handlers



### • Volume Flexibility

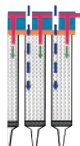
Choose reaction vessels from 4 mL to 40mL  
288 reactions can be carried out in parallel, within a standard fume hood  
Large volume formats available



Red and Blue MiniBlock combine to produce 96 compounds

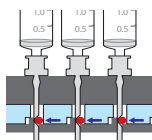
### • Inert Atmosphere Capability

Purges each reaction vessel, eliminating air and moisture  
Allows the addition of liquids under inert conditions by septum piercing



### • Unique Built-in Valve

Allows rapid bottom filtration  
No need to invert or disassemble reactor  
Saves time and prevents cross-contamination



### • Vacuum Collection Base

Accommodates industry standard microplate format racks

### • Agitation

Customized 2 and 6 position shakers allow precision vortex mixing of reactions  
Built-in washing capability allows rapid processing of solid phase reactions



### • Heating and Cooling

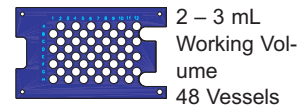
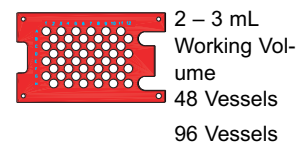
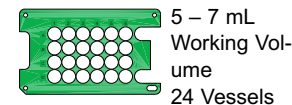
Precision heating to 120°C and cooling to -20°C are achieved using modular heat Transfer Jackets  
Temperature uniformity and reproducibility is within 1°C at 80°C

Just turn the key!  
to collect products from MiniBlocks cleanly and efficiently



## Flexible

One platform: 4 volumes



## Efficient

Increases productivity up to 96x

## Compatible

Use manually or with automated workstations.

CHEMGLASS IS THE EXCLUSIVE  
U.S. DISTRIBUTOR FOR THE  
METTLER TOLEDO AUTOCHEM  
MINIBLOCK™ AND MINIBLOCK™ XT.