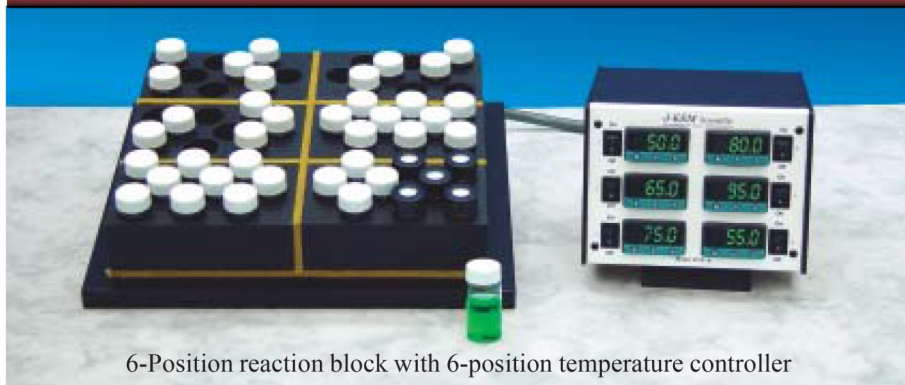
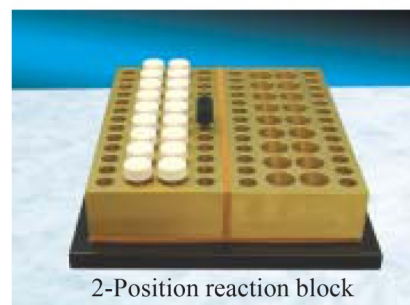


Multi-Temperature Zone Reaction Blocks



6-Position reaction block with 6-position temperature controller

Multiple zone reaction blocks allow independent temperature control of each block position, and each block can hold a different size vial. This allows a single reaction block to run reactions in multiple vial sizes at different temperatures. Multi-zone reaction blocks are an indispensable tool for parallel synthesis, process development, and formulations research.



2-Position reaction block

There are literally hundreds of ways to put 2, 4, and 6-position reaction block systems together. For this reason, it's necessary to request a quote that assigns a unique product number to your unique block. Get in touch with us to discuss your needs!

| | | Circle vial size this block position fits: | | | | | Circle style of this block position: | | |
|---|------------------|--|------|------|-------|-------------|--------------------------------------|-----------------|--------|
| For 2-zone blocks, fill in the yellow rows (2 rows) | Block Position 1 | 2 ml | 4 ml | 8 ml | 20 ml | custom size | Heated | Heated & cooled | Reflux |
| | Block Position 2 | 2 ml | 4 ml | 8 ml | 20 ml | custom size | Heated | Heated & cooled | Reflux |
| For 4-zone blocks, fill in the yellow and pink rows (4 rows) | Block Position 3 | 2 ml | 4 ml | 8 ml | 20 ml | custom size | Heated | Heated & cooled | Reflux |
| | Block Position 4 | 2 ml | 4 ml | 8 ml | 20 ml | custom size | Heated | Heated & cooled | Reflux |
| For 6-zone blocks, fill in the yellow, pink, & blue rows (6 rows) | Block Position 5 | 2 ml | 4 ml | 8 ml | 20 ml | custom size | Heated | Heated & cooled | Reflux |
| | Block Position 6 | 2 ml | 4 ml | 8 ml | 20 ml | custom size | Heated | Heated & cooled | Reflux |

Multi-Zone Pocket Blocks

Multi-zone reaction blocks are also available with heated pockets that fit removable insert blocks or titer plates. Call J-KEM for details.



Number of Vial Positions in Each Zone of a Multi-Zone Reaction Block

The number of vial positions **per zone** depends on the vial size and the block style for that zone.

| | | 2ml | 4ml | 8ml | 20ml |
|------------------------------|--------------|-----|-----|-----|------|
| 2-Zone Reaction Block | Heated style | 96 | 96 | 48 | 32 |
| | Cooled style | 96 | 96 | 48 | 21 |
| | Reflux style | 48 | 48 | 27 | 21 |
| 4-Zone Reaction Block | Heated style | 72 | 42 | 42 | 12 |
| | Cooled style | 72 | 42 | 24 | 12 |
| | Reflux style | 24 | 24 | 12 | 12 |
| 6-Zone Reaction Block | Heated style | 45 | 28 | 28 | 9 |
| | Cooled style | 25 | 19 | 19 | 6 |
| | Reflux style | 19 | 19 | 8 | 6 |