



IKA FLOW System

/// Data Sheet

Flow chemistry made easy and affordable with IKA FLOW. Its secret: Unlike other commercially available flow chemistry equipment, you just purchase the necessary part of the flow chemistry apparatus.

The portable IKA FLOW is an attachment that forms a flow chemistry reactor in combination with your IKA magnetic stirrer RCT digital. In addition, it has been designed to be used with any fume hood gas source (with a 6 mm pressure tubing and an adaptor to typical fume hood gas supplies) such as compressed air or nitrogen.

IKA FLOW's scope of delivery includes in addition to the attachment, a glass bottle, a mixing chip, support screws, three on-and-off valves, a heating block, four disc reactors, and a labeled tubing set.



designed for scientists

We absolutely recommend pairing your IKA FLOW with the RCT digital stirrer hotplate.



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Technical Data

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| Standard | DIN EN 1595 |
| Max. Solvent Volume [ml] | 500 |
| Connection Type | Push-to-Connect // Screw Fittings |
| Inlet Tubing Outer Diameter [mm] | 6.35 |
| Tubing A Outer Diameter [mm] | 3.2 |
| Tubing A Inner Diameter [mm] | 1.6 |
| Tubing 0-11 Outer Diameter [mm] | 1.6 |
| Tubing 0-9 11 Inner Diameter [mm] | 0.8 |
| Main Housing Material | 304 Stainless Steel, Nylon (PA) |
| Main Housing Dimensions (w x h x d) [mm] | 250 x 375 x 140 |
| Main Housing Weight [kg] | 2.7 |
| Heating Block Material | Aluminum |
| Heating Block Dimensions (dia x h) [mm] | 175 x 25.5 |
| Heating Block Weight [kg] | 0.65 |
| Disc Reactor Material | Polypropylene (PP) |
| Disc Reactor Volume [mm ³] | 4092 |
| Max. Input Pressure [MPa] | 1 |
| Input Pressure | Pressure of the gas from fume hood |
| Max. Working Pressure [kPa] | 137 |
| Working Pressure | Pressure of the gas in solvent bottle |
| Max. Working Temperature [°C] | 100 |
| Capillary 1 Inner Diameter [mm] | 0.125 |
| Capillary 1 Length [mm] | 50 |
| Capillary 2 Inner Diameter [mm] | 0.125 |
| Capillary 2 Length [mm] | 100 |
| Capillary 3 Inner Diameter [mm] | 0.18 |
| Capillary 3 Length [mm] | 50 |
| Capillary 4 Inner Diameter [mm] | 0.25 |
| Capillary 4 Length [mm] | 100 |
| Dimensions (W x H x D) [mm] | 250 x 400 x 350 |
| Permissible ambient temperature [°C] | 5 - 40 |

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