



designed for scientists



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.



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



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Technical Data

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