

Data Sheet

DPV 3000



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The IKA DPV dilution plant is suitable for all those applications where two or more liquids are to be quantity-based and homogeneously mixed by using a one pass operation. The continuous process enables a highly efficient and economical production.

The core of the plant is a single-stage inline dispersing unit ULTRA-TURRAX®, which is sufficient for the most standard applications. When it comes to higher demands concerning dispersing quality, the homogenizer can be replaced by a three-stage machine DISPAX-REACTOR® or a colloid mill type MK.

The ingredients are metered with a high accuracy into the dispersing unit by means of pumps that feature very stable characteristics. Various sensors and an electric control with optional upgrades for the process automation round out the entire unit. All devices of the plant are arranged on a common base frame as a compact skid with full piping and internal electrical wiring. The plant is tested for operation before delivery and the requirements for the installation on site are herewith minimized. After connecting the feed lines and utilities, the plant is ready for operation.

The distinctive feature of the IKA dilution plant is the optimal procedure of the dispersing process. The phases to be mixed don't come in contact with each other until right before the dispersing tool. This entirely prevents unwanted reactions such as lump formation.

Technical Data

Process temperature, max.	120 °C
Process pressure (max.)	16 bar
Total capacity to	3000 l/h
Total power input	8 kW
Disperser type	UTL 2000/05
Inlet diluting liquid	DN 40 mm
Inlet concentrate	DN 25 mm
Inlet additives	DN 8 mm
Outlet mixture	DN 32 mm
Ident. No.	000DPV3000