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Microfluidic pumps — Symbols and performance communication

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Introduction

Several microfluidic pumps are available on the market. The relevant technical information from the datasheet will enable end-users to compare the performance of the microfluidic pumps and to choose the best-fitted pump for their application. Without a standardized datasheet, the comparison of the performance of different microfluidic pumps is often not possible due to the lack of similar information or divergent definitions of similar performance characteristics.

The following groups of characteristics are defined, described and explained with examples where it is appropriate:

— naming;

— schematic/symbol;

— technology characteristics;

— general working conditions;

— electronical characteristics;

— mechanical characteristics;

— flow characteristics.

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