

High Pressure

Introduction

Stubborn reactions are typically carried out in refluxing conditions, using high boiling solvents such as xylenes, 1,2-dichlorobenzene and N-methyl pyrrolidone.

High boiling solvents are then difficult to remove upon workup, especially as reaction scale increases. The High-Pressure setup is capable of replacing reflux devices, moving from high boiling solvents to low boiling solvents.

Moreover, high temperature reactions (up to 300 C) are allowed.

The benefits are well known and documented in terms of easier work-up and products purity.

Up to 15 high-pressure vessels may be used simultaneously for parallel synthesis.

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