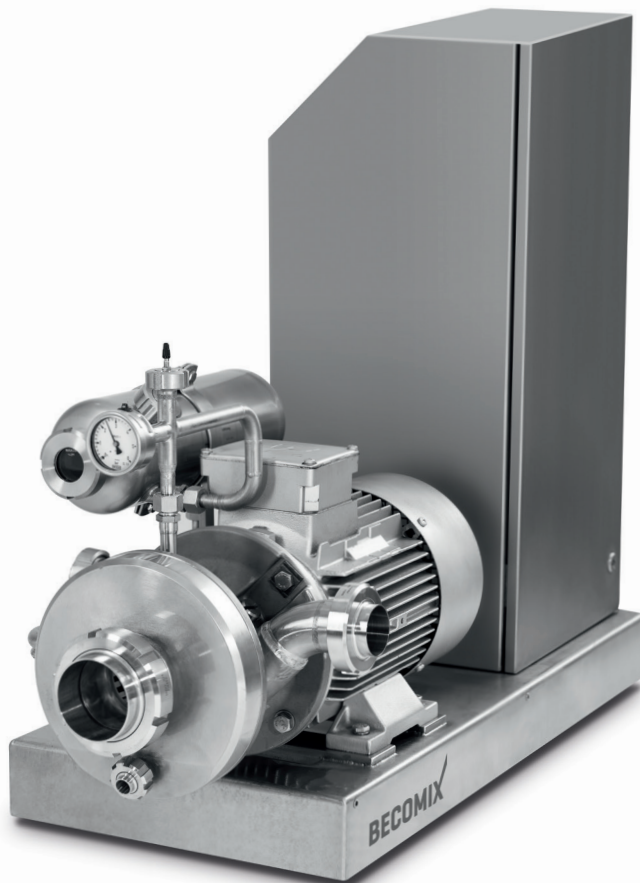


BECOMIX

*process
technology*

Inline homogeniser (DH)

Homogeniser with 2nd product supply connection



Cosmetics



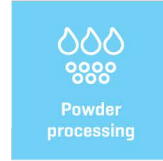
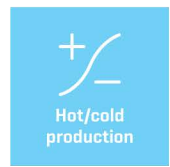
Pharmaceutical



Chemical

Inline homogeniser (DH)

Homogeniser with 2nd product supply connection



Applications

BECOMIX DUO homogenisers as inline devices or integrated in our BECOMIX homogenising mixer for emulsions, suspensions, shampoos, ointments, pastes, gels, etc.

For retrofitting and upgrading of existing systems

Powder dispersion

Hot/cold production

Instant dilution of SLS (LES/Texapon®) in cold water

Available in a range of sizes

Properties

Flexible shearing effect [from high to low shear] through a change in direction of rotation, for the production of shear-sensitive products, etc.

BECOMIX's unique hot/cold procedure reduces batch times [by up to -55%]

Use of pumping mode in combination with an injector to disperse powders

Safe to run dry thanks to means of double-acting mechanical seal with sealing liquid system; vacuum- and pressure-tight

Pharmaceutical-compliant design without dead spaces; CIP/SIP design

ATEX zone 2 to 0 possible

Stepless speed control

Comprehensive documentation [material and welding seams, IQ/OQ, various languages]

Technologies

Shear variability: Shear variability means that the shear intensity of our homogenisers can be specifically varied according to needs for an almost unlimited range of applications.

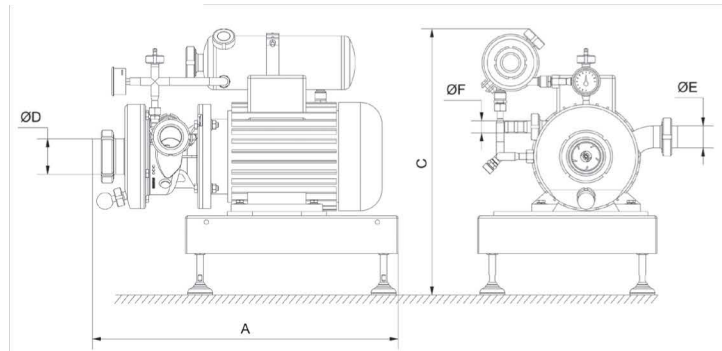
Hot/cold production: In the hot/cold procedure, the molten wax phases and cold water phases are combined and immediately emulsified. The result is a reduction in production times by more than half and up to 80% lower energy consumption.

Powder processing: BECOMIX systems offer a range of different options for the addition of raw materials in the form of powders.

Pharmaceutical qualification: BECOMIX works in strict accordance with the latest pharmaceutical industry standards.

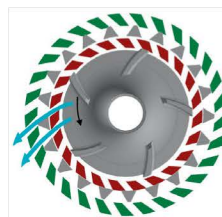
Further information <https://becomix.de/Inline-homogeniser>

Get in touch with us:
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Technical data	DH 100	DH 500 [Ex]	DH 1200 [Ex]	DH 2000 [Ex]
Flow rate [l/min]*				
Pumping	100	500	1600	2300
Homogenising	65	350	900	1500
Max. pressure [bar abs.]				
Pumping	1.6	2.5	3.0	3.0
Homogenising	1.6	2.0	2.2	2.5
Drive [kW]	4	11	23 [30]	45 [50]
Dimensions				
A [mm]	610	720 [950]	1000 [1,090]	1160 [1,240]
B [mm]	350	430 [530]	550	600
C [mm]	530	640 [740]	790 [810]	800 [900]
Ø D [DN]	40	80	100	150
Ø E [DN]	25	50	80	100
Ø F [DN]	10	25	32	50

*Referring to water at a tip speed of approx. 24 m/s. Subject to change without notice.



Variable shear intensity thanks to direction-changing pumping mode [anti-clockwise]



Variable shear intensity thanks to direction-changing homogenising mode [clockwise]



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