

# DUO- homogeniser

Inline-homogeniser  
with 2nd product supply connection

**BECOMIX**

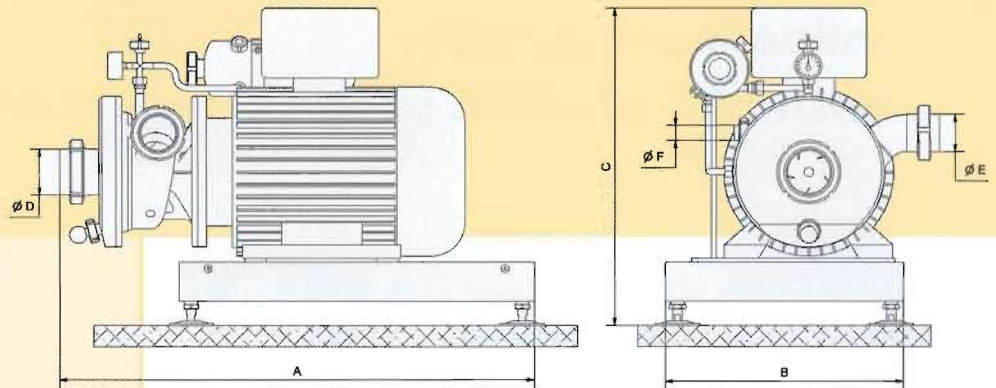
Mischtechnik

DH 100  
- DH 2000



# DUO- homogeniser

Inline-homogeniser  
with 2nd product supply connection



## TECHNICAL DATA

	DH 100	DH 500 (Ex)	DH 1200 (Ex)	DH 2000 (Ex)
<b>flow rate (l/min)*</b>				
pumping	100	500	1600	2300
homogenising	65	350	900	1500
<b>max. pressure (bar abs.)</b>				
pumping	1,6	2,5	3,0	3,0
homogenising	1,6	2,0	2,2	2,5
<b>drive (kw)</b>	4	8	23 (30)	45 (50)
<b>dimensions</b>				
A (mm)	610	720 (950)	1000 (1090)	1160 (1240)
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

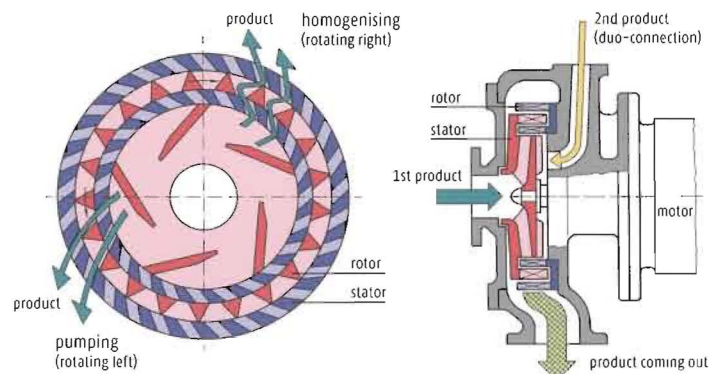
\* relative to water, in case of a tip speed of approx. 24 m/s  
subject to change without notice

## APPLICATION

- ▶ BECOMIX DUO-homogenisers as inline-homogenisers or built into our homogenising mixers for emulsions, liposome productions, dispersions, creams, gels, sauces, colours, etc.

## OPTIMIZED PROCESSES

- ▶ Due to the patented rotor-stator-execution with shear intensive homogenising function (right) or lower shearing effect combined with a high throughput in "pumping" function (left)
- ▶ Increased flexibility regarding shearing effect
- ▶ Optimized production of shear sensitive products (e. g. gels)
- ▶ Utilisation of the pumping capacity in connection with an injector for sucking-in and dispersion of powders
- ▶ 2nd product supply connection (DUO) directly into the shear zone for a hot/cold-production of emulsions or instantaneous dilution of SLS (LES/ Texapon) 70% directly into cold water phases



## EXECUTION

- ▶ Safe to run dry by means of double acting mechanical seal with sealing liquid system; vacuum-tight and pressure-tight
- ▶ Execution according to the requirements of the pharmaceutical industry without dead areas; CIP/SIP design
- ▶ Speed continuously adjustable
- ▶ As option: loss-free protective rotor



**A. Berents GmbH & Co. KG**  
Henleinstraße 19-21, D-28816 Stuhr  
TELEFON: +49 (0) 421/8 7111-0  
FAX: +49 (0) 421/8 7111-11  
E-MAIL: mail@becomix.de

**BECOMIX**  
Mischtechnik

Intelligent and efficient