

Inert magnetic drive for pressure reactors

bmd 250 «i» / cyclone 250 «i»

- wetted parts made of non-metallic material
- excellent corrosion resistance
- versatile
- low maintenance
- compact design



bmd 250 «i» / cyclone 250 «i»

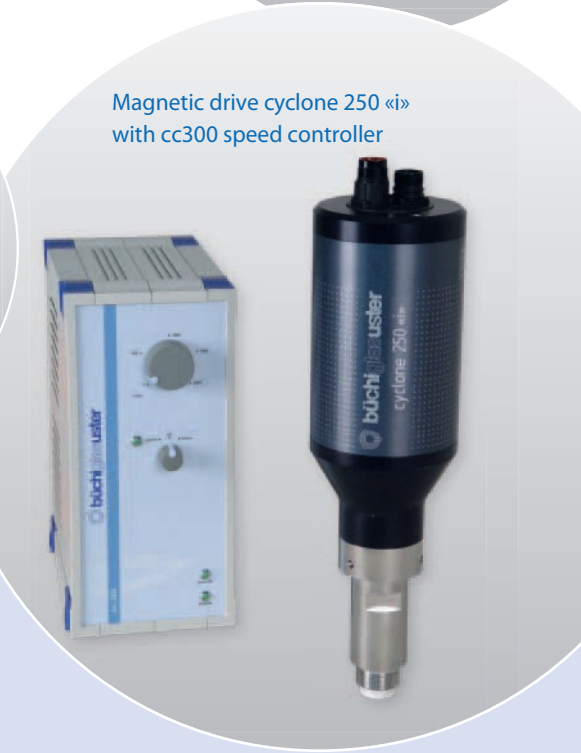
The inert magnetic drive product range bmd 250 «i» / cyclone 250 «i» was non-metallic materials such as ceramic and PEEK are used. The strong specially developed to avoid corrosion in processes with highly aggressive mechanical and chemical stability guarantees trouble-free operation under media, or for processes where contact with metal parts is not permissible. the most harsh conditions.

This new drive is based on the well known and proven Büchi magnetic This new technology allows us, for the first time, to provide powerful coupling design. For all components which come into contact with the media high-torque and leak-free agitators for non-metallic pressure reactors.

	bmd 250 «i»	cyclone 250 «i»
Torque	250 Ncm	250 Ncm
Pressure	-1 / +12 bar	-1 / +12 bar
Temperature	max. 200°C	max. 200°C
Speed	max. 2000 1/min.	0 – 2000 1/min
Bearings	Ceramic ball bearings	Ceramic ball bearings
Stirrer shaft	Ceramic Ø12/10mm	Ceramic Ø12/10mm
Process connection	Thread M36x1.5	Thread M36x1.5
Material (wetted parts)	Ceramic / PEEK / Kalrez	Ceramic / PEEK / Kalrez
Dimensions	H=255mm / Ø67mm	H=500mm / Ø115mm
Motor	–	Servomotor with resolver
Controller	–	cc300 with internal / external setpoint, RS232 interface, 100-230V, 50/60Hz
ATEX execution	optional	–



Special executions are available upon request.



Applications



Inertclave with cyclone 250 «i»
 Glass vessels 0.25 – 1.6 liter
 Pressure max. 6 bar, max. 180°C
 Components and internals made of PTFE, PFA



kiloclave with bmd 250 «i» and ATEX drive
 Glass lined steel vessels 1.0 – 20 liter
 Pressure max. 12 bar, max. 200°C
 Components and internals made of PTFE, PFA, glass lined or Tantalum



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