

# In-Line Dynamic Mixer

## High-shear mixing with minimum time and space requirements



The ABB In-Line Dynamic Mixer is designed to homogeneously mix chemicals at high intensity with the minimum time and space requirements.

### Advantages

- Mixing element designed for high efficiently mixing.
- Possible in-line adjustment of the recipe formula.
- Easy to install in new/existing pipeline.
- Low procurement and erection costs.
- Low maintenance.

### Applications

The ABB in-line dynamic mixer is designed for all kinds of chemicals used in the pulp and paper formulation.

### Description

Specially designed for in-line mixing, the ABB in-line dynamic mixer provides a high-shear mixing effect to ensure the homogeneous mixing of chemicals in a short retention time.

Installed in the pipeline, the ABB In-line dynamic mixer can handle large flow rates and requires a minimum space for assembly and maintenance operations.

The ABB In-line dynamic mixer consists of a pipe element housing a mixing element driven by an electrical motor providing the necessary power to enhance the mixing process. The motor is directly coupled to the mixing element and the shaft tightness is ensured by a mechanical seal. To optimise the mixing time, it can be operated with a speed inverter.

### Technical data

Mounting/Pipe connections	lapped flanges from PN10/DN80
Housing	stainless steel
Motor	ABB
Motor speed	200 to 900 r.p.m.
Turbine	stainless steel
Shaft	stainless steel
Sealing	single mechanical seal
Max. viscosity	1000-2000 cPs
Pressure	2 bar
Flowrate	up to 15 m <sup>3</sup> /h

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