



# DESTILLER

## BLENDER MIXBLEND



Inoxpa

Blendery Mixblend służą do dodawania ciał stałych, które po zmieszaniu z płynami mają tendencję do zlepiania się. W przeciwieństwie do wielu innych modeli blenderów, zaletą tego blendera jest to, że nadaje się do stosowania z produktami o wyższym stężeniu gum i środków zagęszczających. Jego zakres zastosowania ogranicza się do dodawania niewielkich ilości ciał stałych, proszków, które są rozpraszane i szybko ścinane w produkcie.

Mixblend blenders are used to add solids that tend to clump when mixed with liquids. Unlike many other blender models, the advantage of this blender is that it is suitable for use with products with higher concentrations of gums and thickening agents. It is ideal for solids such as gums, pectins and other thickening agents. Its field of application is limited to adding small amounts of solids that are dispersed and sheared quickly into the product.

The Mixblend blender is a compact unit, comprised of an in-line mixer with a venturi system for suction and a hopper with a butterfly valve above the venturi system to add the solids to the liquid flowing through the mixer. The suction

and venturi system are set horizontally in this blender.

The venturi system creates negative pressure at the base of the hopper. When the hopper valve opens, the solids are drawn and easily dissolved as they pass through the mixer housing.

It is recommended to recirculate the product (batch production) until all the solid/powder product is suctioned in and then, when the solid product is completely incorporated into the liquid product, continue recirculating the product for a while to ensure the most homogeneous dissolution possible.

#### Design and features

- Simple and versatile unit for fast and homogeneous mixing of a wide range of solids without any contact with the air.
- Hygienic design.
- Single mechanical seal.
- ISO 2852 Clamp connections for easy assembly/disassembly.
- Butterfly valve for the hopper.
- ☒ Cleaning and disinfection without disassembly.

#### Materials

- Parts in contact with the product AISI 316L
- Other metal parts AISI 304
- Gaskets EPDM

#### Mechanical seal:

- Rotary part Silicon carbide (SiC)
- Stationary part Silicon carbide (SiC)
- Gaskets EPDM

#### Surface finish:

- Internal Bright polish  $Ra \leq 0.8 \mu m$
- External Matt

#### Options

- Double mechanical seal.
- Gaskets in FPM or PTFE.
- DIN, SMS connections.
- Drain port.
- Vibrator for hopper.
- Pneumatically actuated valve + hygienic low level sensor for solids.
- Hygienic upper level sensor for solids.
- Control panel for the vibrator, level sensors and automatic valve.
- Mounted on a cart with or without control panel.
- Grid for the hopper.

## Dane kontaktowe

### **Destiller - Anna i Seweryn Fabijaniak**

ul. Grunwaldzka 37  
37-560 Pruchnik  
Tel.: +48 660 143 042  
E-mail: [biuro@destiller.pl](mailto:biuro@destiller.pl)

Godziny pracy  
Poniedziałek - piątek 8:00 - 18:00

[www.destiller.pl](http://www.destiller.pl)