

YSTRAL Coflow

Continuous Powder-Wetting and Dispersing

Uninterrupted production without mixing tanks

The YSTRAL Coflow is a continuous, inline powder-wetting and dispersing machine for the production of dispersions. It allows powders to be mixed into liquids, homogenised and dispersed in proportion to quantity. The YSTRAL Coflow is suitable for a wide range of applications in a variety of industries. The intended focus is on products with easy-to-process powders and users with smaller product portfolios and/or relatively few product changes.

Top advantages at a glance:

- High productivity with low energy expenditure
- Ability to process high solid concentrations and higher product viscosities
- Specialised geometry of the mixing and dispersing tools reduces air intake to the product
- Low space requirement, no process vessel needed
- Low personnel requirement thanks to fully automatised operation
- Innovative measuring technology ensures consistent product quality
- Short cleaning time and minimal need for cleaning media



How the YSTRAL Coflow Works:

- Via volumetric or gravimetric dosing systems, powders are inducted, mixed and dispersed into a liquid stream in a controlled way and in proportion to quantity.
- Fine dispersion is achieved via a rotor-stator system, whereby the dispersing tools can be designed with differing geometries, depending on the application.
- An inducer installed between the premixing zone and the rotor-stator zone leads to lower residual air content in the product.



Technical data

Capacity	4.0 – 18.5 kW
Voltage	220 / 420 V, 50 / 60 Hz, special voltages
Seal	Double mechanical seal
Total throughput capacity	2,000 – 13,500 kg/h
Inlet (powder)	DN80 (Coflow 3), DN100 (Coflow 4)
Inlet (liquid)	DN40 (Coflow 3), DN50 (Coflow 4)
Outlet	DN50 (Coflow 3), DN65 (Coflow 4)

