

Industrial **Mixers**



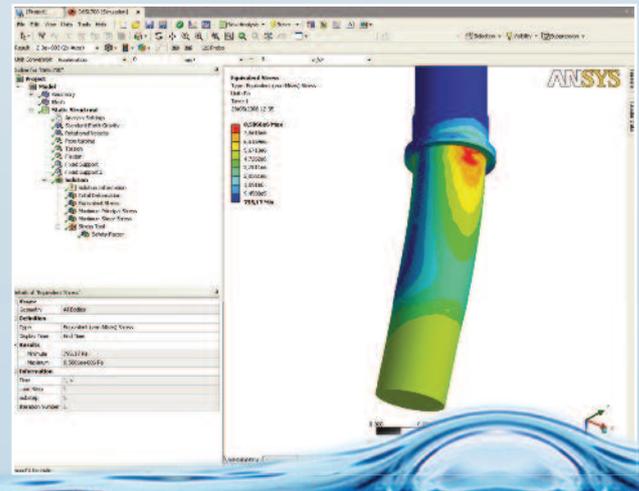
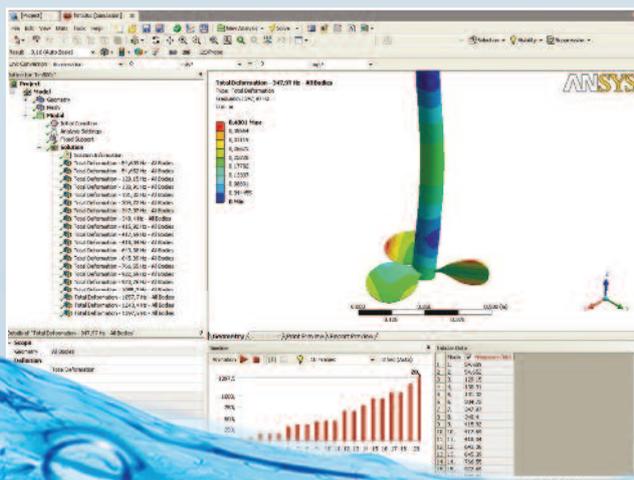
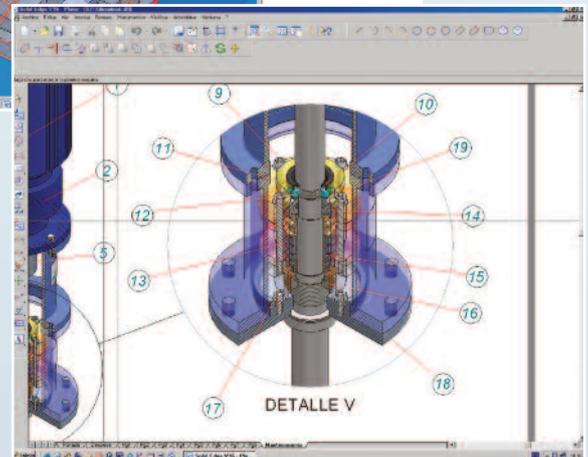
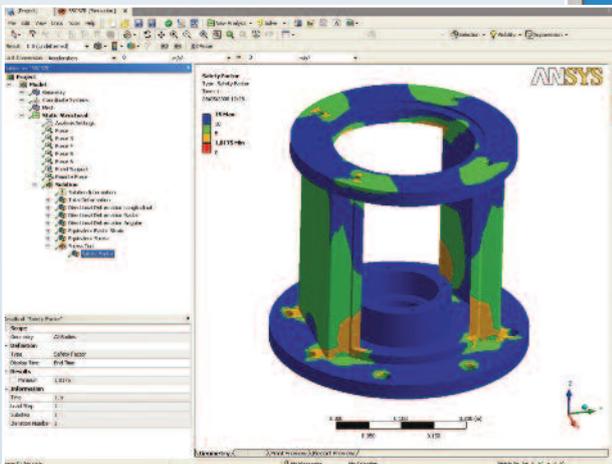
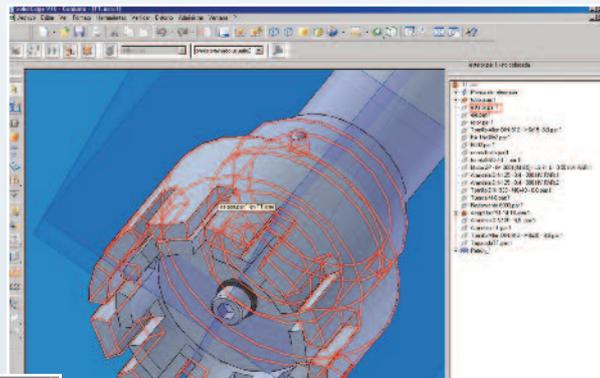
innovation > technology > future

Introduction

Our experience in the liquids treatment (mixing, dispersion, emulsion, etc.) is directly connected to more than 40 years of experience in the design and manufacture of metering pumps and dosing systems for water treatment.

During this period of time **Seko** has focused its attention on the needs expressed by customers who operate in various areas and acquire the most advanced engineering and calculation systems for finite elements and fluid dynamics analysis software and offered its customers solutions that are in line with or above their expectations.

The combination between experience and technology that already characterizes **Seko** in other areas is the guarantee for the quality and the reliability of its products.



CFD calculation Software

The development of our work is determined by the process engineering whose evolution allows us to find new technological solutions for our line of mixers.

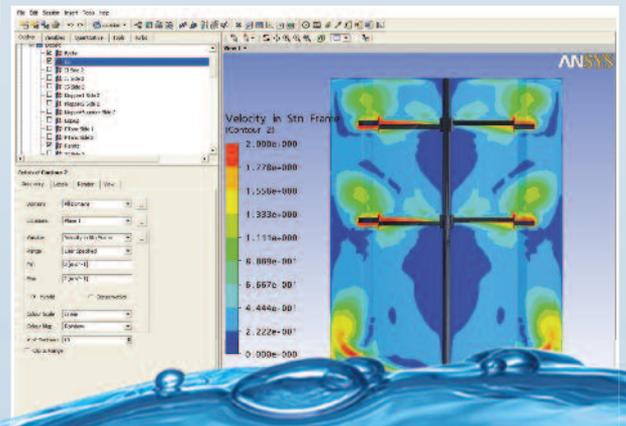
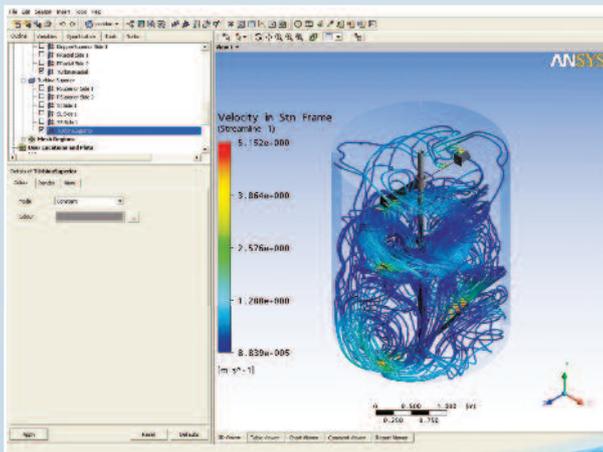
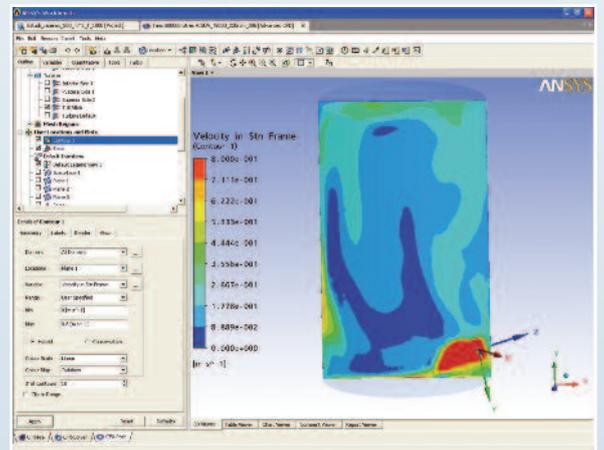
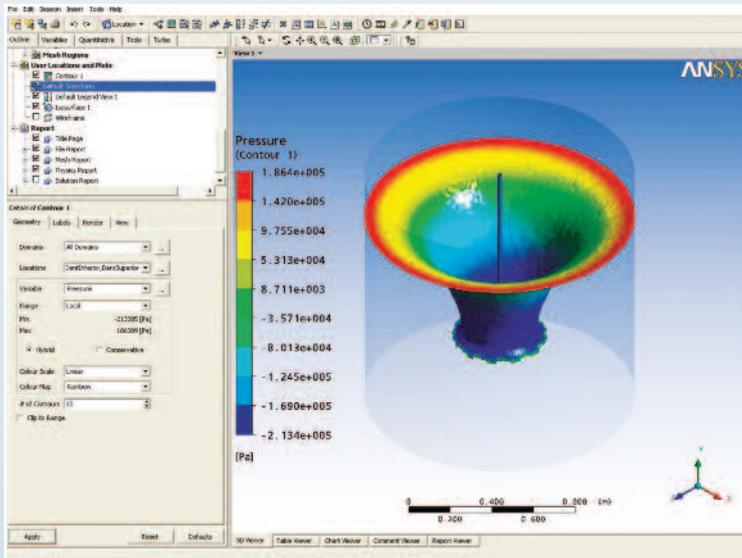
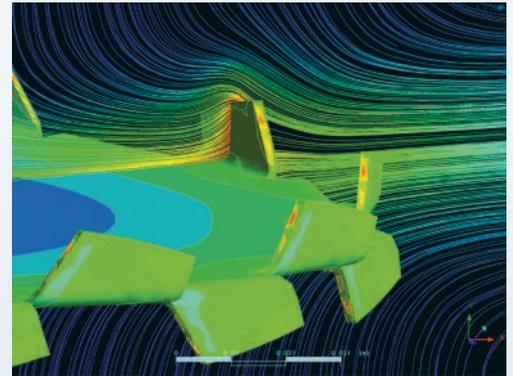
The quality is planned before being produced and, following this line of innovation, we have introduced in our system the CFD* (Computational Fluid Dynamics) calculation software which allows a detailed study of the mixer's behavior in the conditions required by our customers.

The CFD technique allows us to study all the elements of our mixers in any situation and at the same time to verify the fluid's behavior while the mixer is in operation.

In this way, we can simulate the mixer's behavior in its working conditions, provide solutions regarding the best way of installation, maximize the performance/power consumption relation and drastically reduce the Global Cost of Ownership.

This operation mode allows us to guarantee our customers that the solution offered is definitely appropriate to their process.

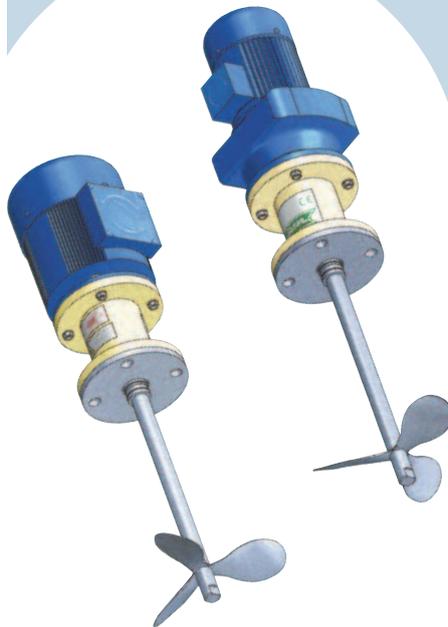
*CFD (Compuntational Fluid Dynamics) is a software that studies the movement of fluids and its effect on the boundary elements.



Tank side-mounted mixers

Side-mounted mixers for suspension and agitation.

- With electric motor and every possible type of protection (IP-55, EEx dII B T4, etc.).
- Using an inverter, it is possible to vary the speed of the mixer
- Stainless steel flanges with mechanical seal to ensure the tightness of the tank
- Support in fusion with bearings to support the axial and radial movement of the mixer's shaft
- Shafts and propellers in stainless steel or carbon steel
- This series of mixers is available with different mixing elements (marine propeller, dispersing disk, axial turbine etc.)



Tank side-mounted mixers with a maximum mixing capacity of **30.000** liters.

With direct motor drive

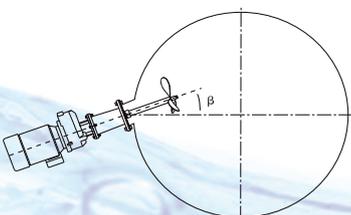
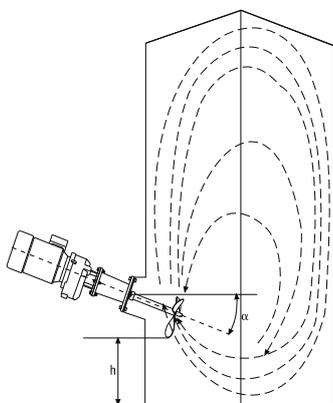
- Maximum power: 3 kW
- Rotation speed: 750, 1000 and 1500 rpm

With gear motor drive

- Maximum power: 1,5 kW
- Rotation speed: 150, 200, 250, 300 and 400 rpm

Tank connection flange size

- Mod. 6-7: DIN2576 DN50 PN10
- Mod. 8-9: DIN2576 DN80 PN10



Tank side-mounted mixers with a maximum mixing capacity of **100.000** liters.

With direct motor drive

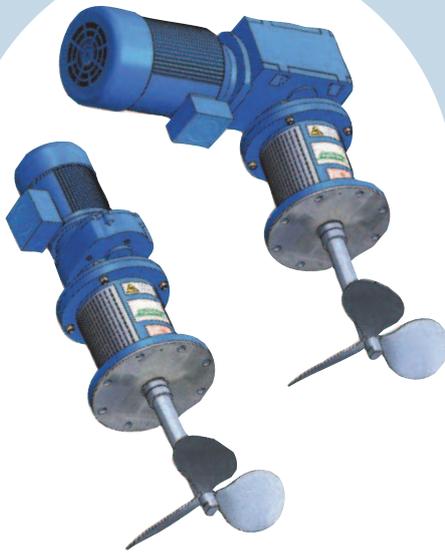
- Maximum power: 7,5 kW
- Rotation speed: 750, 1000 and 1500 rpm

With gear motor drive

- Maximum power: 7,5 kW
- Rotation speed: from 30 to 400 rpm

Tank connection flange size

- DIN2576 DN125 PN10



Tank side-mounted mixers with a maximum mixing capacity of **500.000** liters.

With direct motor drive

- Maximum power: 18,5 kW
- Rotation speed: 750, 1000 and 1500 rpm

With gear motor drive

- Maximum power: 11 kW
- Rotation speed: from 30 to 400 rpm

Tank connection flange size

- DIN2576 DN125 PN10

Tank side-mounted mixers with clamp locking system

Tank side-mounted mixers with clamp locking system with a maximum mixing capacity of **5.000** liters.

- With electric or pneumatic motor and every possible type of protection (IP-55, EEx dII B T4, etc.).
- Support in fusion with bearings to support the axial and radial movement of the mixer's shaft
- Maximum shaft length: 1700 mm.
- With fixed or removable shaft (with rigid or quick semiautomatic coupling)
- Shafts and propellers in stainless steel or carbon steel
- Also available with Polyester, PVC, PP, ebonite or other covering
- This series of mixers is available with different mixing elements (marine propeller, dispersing disk, etc)
- The structure of this series allows its use also during the tank draining and filling stages



With direct motor drive

- Maximum power: 3 kW.
- Rotation speed: 750, 1000, 1500 and 3000 rpm.

With gear motor drive

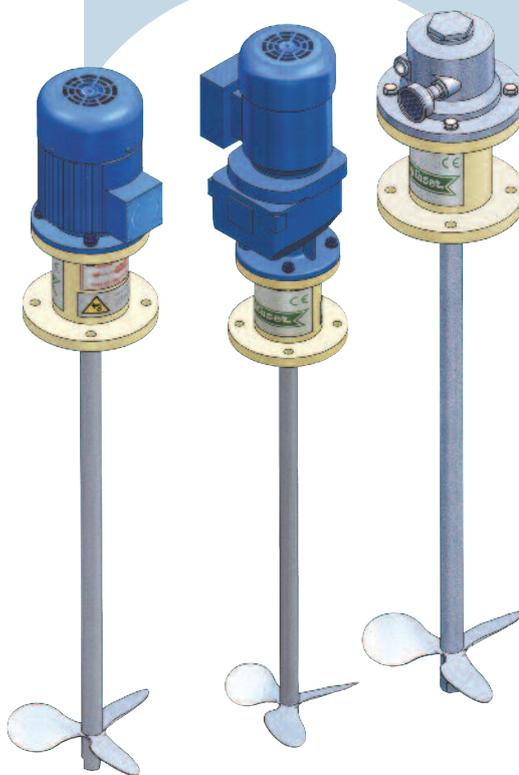
- Maximum power: 1,5 kW.
- Rotation speed: from 20 to 500 rpm.

In both cases, using an inverter, it is possible to vary the speed of the mixers.

Tank top flange-mounted vertical mixers

Tank top flange-mounted vertical mixers.

- With electric or pneumatic motor and every possible type of protection (IP-55, EEx dII B T4, etc.).
- Support in fusion with bearings to support the axial and radial movement of the mixer's shaft
- With fixed or removable shaft
- Shafts and propellers in stainless steel or carbon steel
- Also available with Polyester, PVC, PP, ebonite or other covering
- This series of mixers is available with different mixing elements (marine propeller, dispersing disk, etc)
- The structure of this series allows its use also during the tank draining and filling stages



Tank top flange-mounted vertical mixers with a maximum mixing capacity of **2.500** liters.

Maximum shaft length
1200 mm.

Maximum power 0,75 kW.

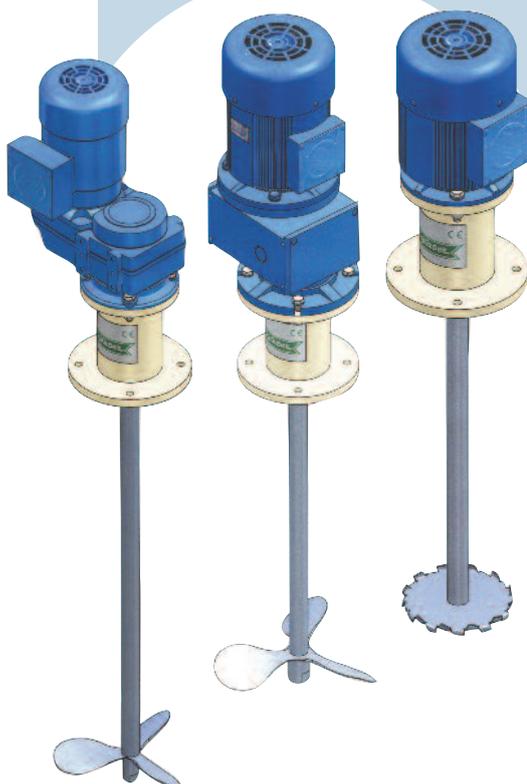
With direct motor drive

- Rotation speed: 750, 1000, 1500 and 3000 rpm

With gear motor drive

- Rotation speed: from 20 to 500 rpm.

In both cases, using an inverter, it is possible to vary the speed of the mixers.



Tank top flange-mounted vertical mixers with a maximum mixing capacity of **5.000** liters.

Maximum shaft length
1700 mm.

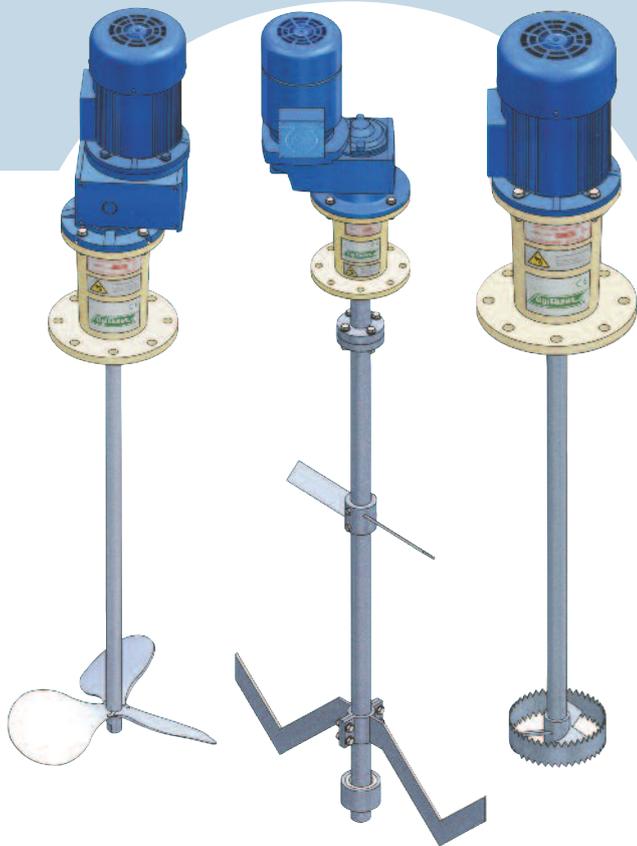
With direct motor drive

- Maximum power: 3 kW.
- Rotation speed: 750, 1000, 1500 and 3000 rpm

With gear motor drive

- Maximum power: 1,5 kW.
- Rotation speed: from 20 to 500 rpm.

In both cases, using an inverter, it is possible to vary the speed of the mixers.



Tank top flange-mounted vertical mixers with a maximum mixing capacity of **15.000** liters.

Maximum shaft length 2500 mm.

With direct motor drive

- Maximum power: 9,2 kW.
- Rotation speed: 750, 1000, 1500 and 3000 rpm.

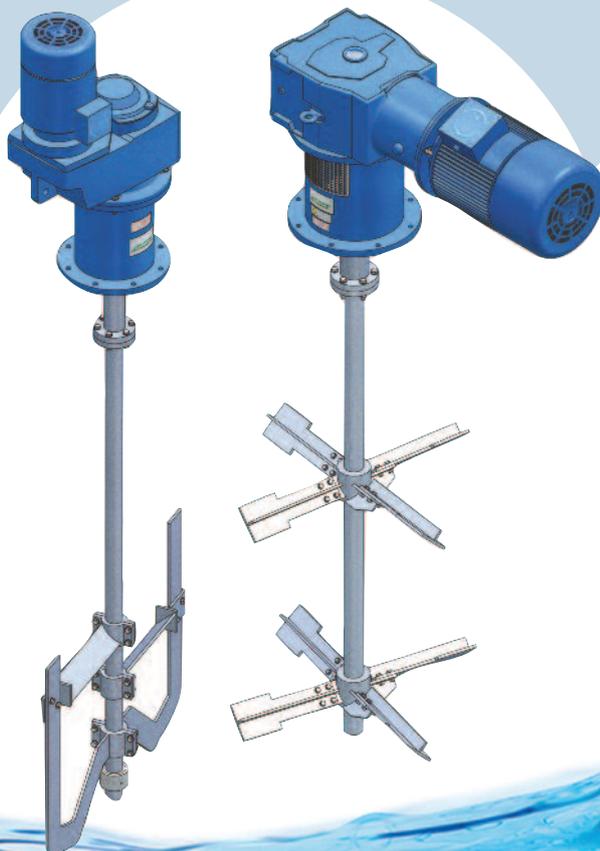
With gear motor drive

- Maximum power: 7,5 kW.
- Rotation speed: from 6 to 400 rpm.

In both cases, using an inverter, it is possible to vary the speed of the mixers.

Tank connection flange size

- DIN2576 DN125 PN10.



Tank top flange-mounted vertical mixers with a maximum mixing capacity of **100.000** liters.

Maximum shaft length 14000 mm.

Maximum power 55 kW.

With direct motor drive

- Rotation speed: 750, 1000 and 1500 rpm.

With gear motor drive

- Rotation speed: from 4 to 400 rpm.

In both cases, using an inverter, it is possible to vary the speed of the mixers.

Tank connection flange size

specified by client.

A Worldwide Group at your service

seko has been a significant manufacturer of metering pumps and dosing systems for over 40 years. This long activity allowed **seko** to acquire a vast experience in diversified applications and to confirm its international success in many industrial fields through the supply of reliable solutions for the dosing, injection and transfer of liquids

Today **seko** is an International Group, developing, manufacturing and delivering its products in more than 50 countries, through its 16 subsidiaries and an extended network of distributors, agents and authorized dealers



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