



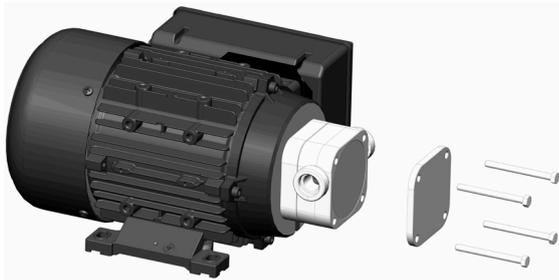
Flexible Impeller Pump Type UNISTAR 2000



Danger of death due to electrical shock!
Prior to working on the pump always disconnect the drive from the power supply!

Step 1

Impeller Change 1



Unfasten bolts, remove cover.

Step 2

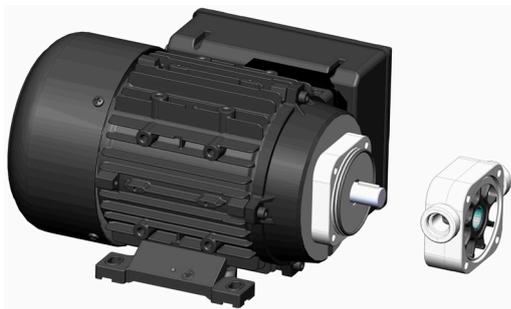
Impeller Change 2



Remove wear plate and O-rings.

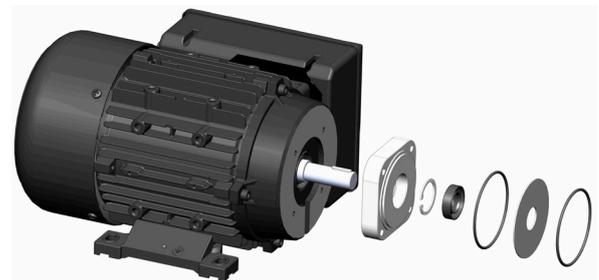
Step 3

Impeller Change 3



Remove housing with impeller.

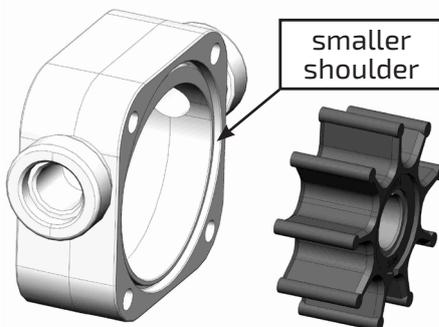
Step 4



Remove O-ring, wear plate and cover from the rear side. Release safety ring and press out shaft seal.

Step 5

Impeller Change 4



Press impeller out of housing.

Step 6

Impeller Change 5



Position housing with smaller shoulder on top, turn impeller counter-clockwise into the housing, and push impeller up as far as possible.



Reassemble the pump in reverse order.



Flexible Impeller Pump Type UNISTAR 2000



Danger of death due to electrical shock!
Prior to working on the pump always disconnect the drive from the power supply!

Step 1

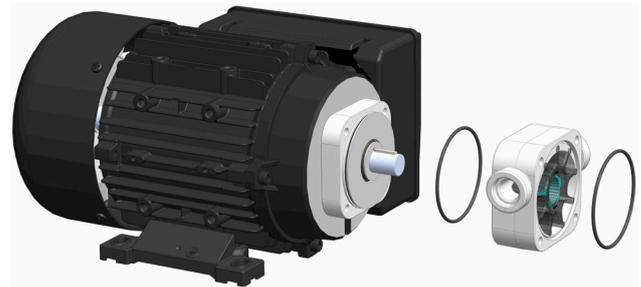
Impeller Change 1



Unfasten bolts and remove cover and wear plate.

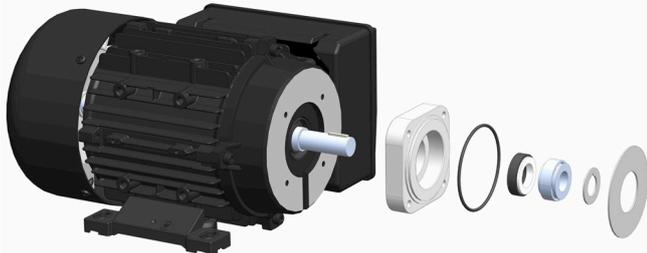
Step 2

Impeller Change 2



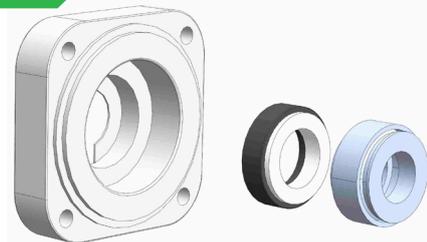
Pull off housing with impeller and remove O-rings and feather key.

Step 3



Remove wear plate and distance disc. Lightly lubricate shaft and remove mechanical seal rotating face. Push out mechanical seal stationary face from rear cover.

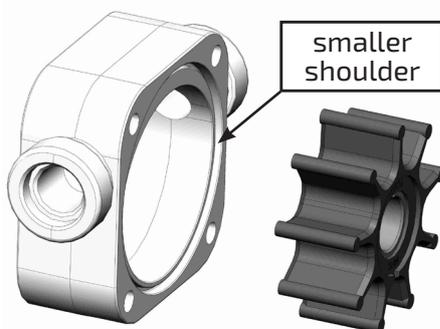
Step 4



Clean cover and shaft prior to reassembling. Lightly lubricate rubber component of mechanical seal stationary face, and press into cover. Apply rear cover to the motor, lightly lubricate the motor shaft, and slide the mechanical seal rotating face onto the shaft. Then press in the feather key.

Step 5

Impeller Change 3



Press impeller out of housing.

Step 6

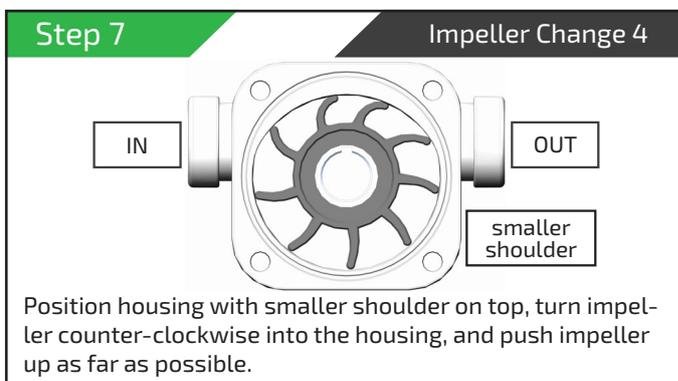
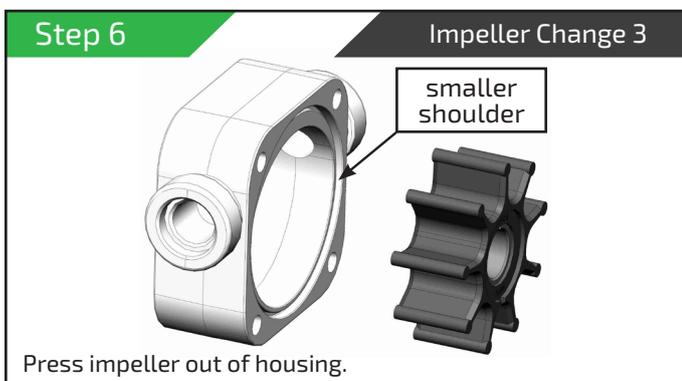
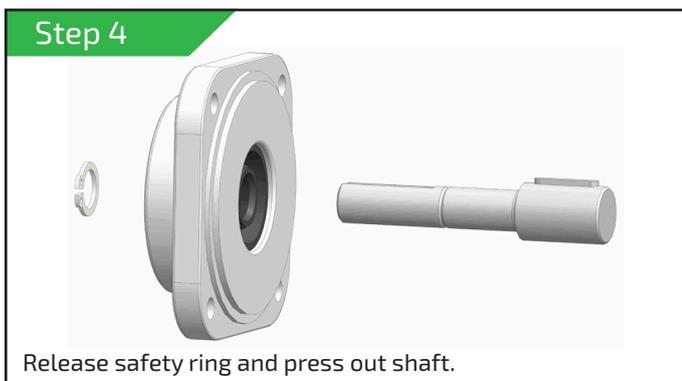
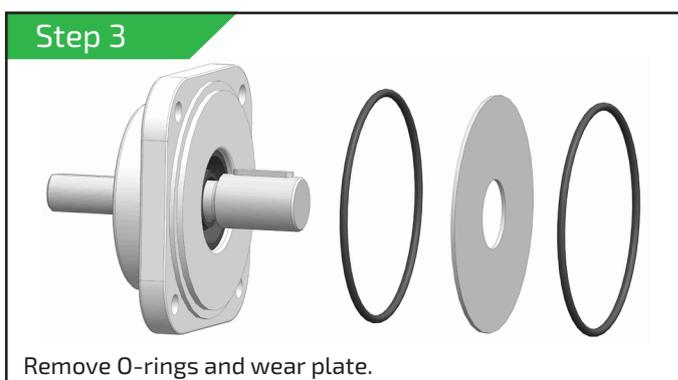
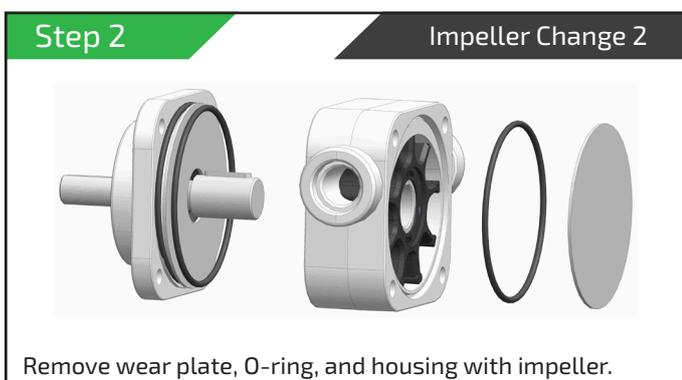
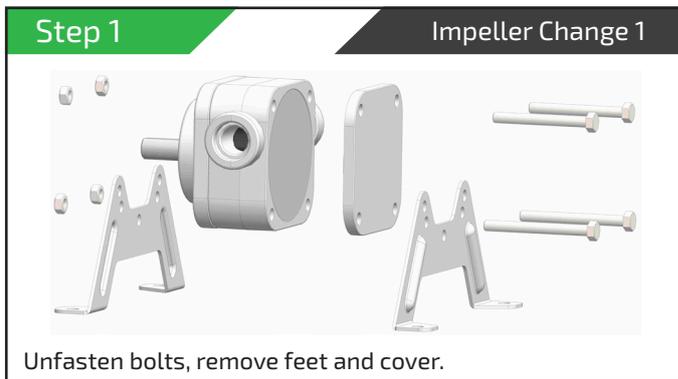
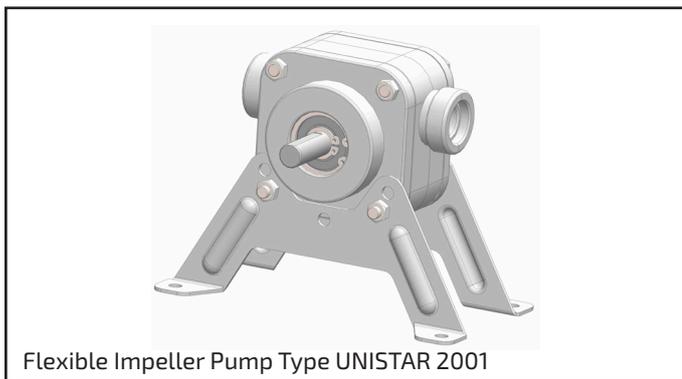
Impeller Change 4



Position housing with smaller shoulder on top, turn impeller counter-clockwise into the housing, and push impeller up as far as possible.



Reassemble the pump in reverse order.



Reassemble the pump in reverse order.



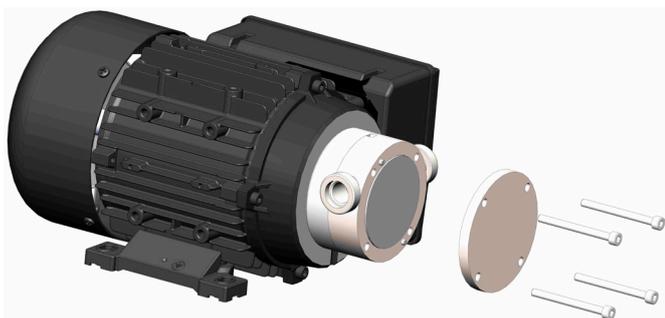
Flexible Impeller Pump Type COMBISTAR 2000



Danger of death due to electrical shock!
Prior to working on the pump always disconnect the drive from the power supply!

Step 1

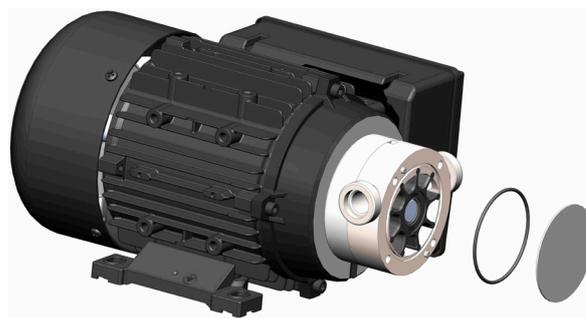
Impeller Change 1



Unfasten bolts, remove cover.

Step 2

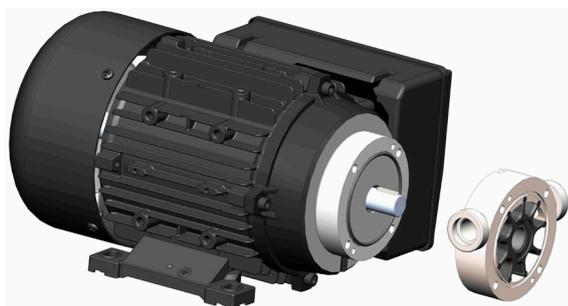
Impeller Change 2



Remove wear plate and O-ring.

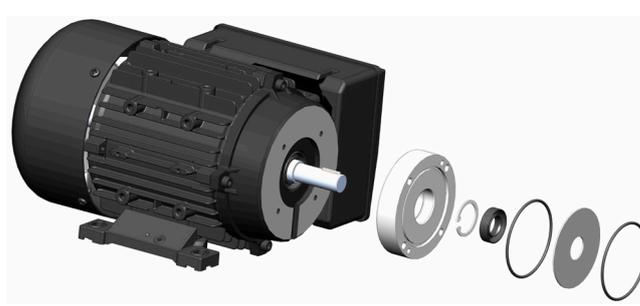
Step 3

Impeller Change 3



Remove housing with impeller.

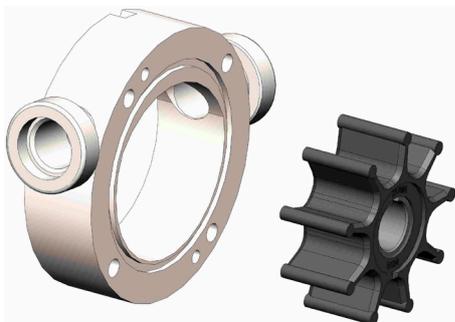
Step 4



Remove O-ring, wear plate and cover from the rear side.
Release safety ring and press out shaft seal.

Step 5

Impeller Change 4



Press impeller out of housing.

Step 6

Impeller Change 5



Turn impeller counter-clockwise into the housing, and push impeller up as far as possible.



Reassemble the pump in reverse order.



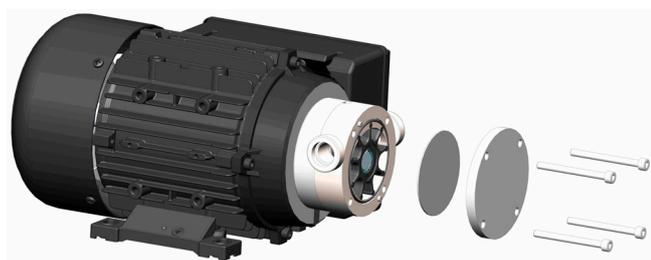
Flexible Impeller Pump Type COMBISTAR 2000



Danger of death due to electrical shock!
Prior to working on the pump always disconnect the drive from the power supply!

Step 1

Impeller Change 1



Unfasten bolts and remove cover and wear plate.

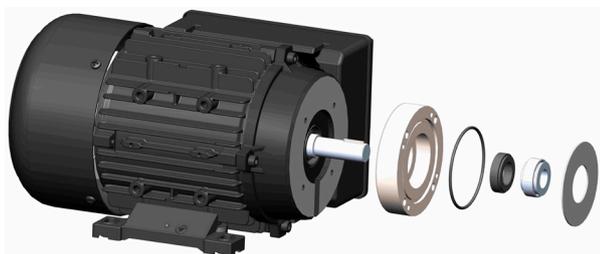
Step 2

Impeller Change 2



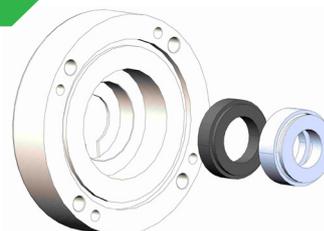
Remove housing and O-ring.

Step 3



Remove wear plate and distance disc. Lightly lubricate shaft and remove mechanical seal rotating face. Push out mechanical seal stationary face from rear cover.

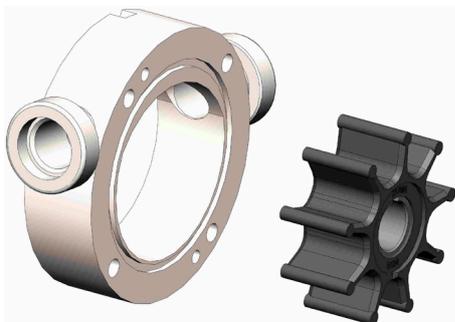
Step 4



Clean cover and shaft prior to reassembling. Lightly lubricate rubber component of mechanical seal stationary face, and press into cover. Apply rear cover to the motor, lightly lubricate the motor shaft, and slide the mechanical seal rotating face onto the shaft. Then press in the feather key. Reassemble the pump in reverse order.

Step 5

Impeller Change 3



Press impeller out of housing.

Step 6

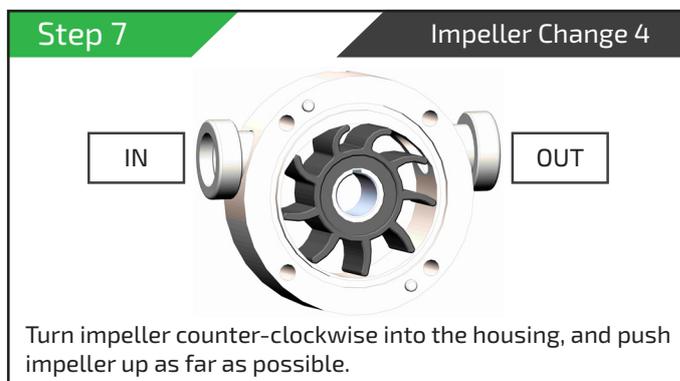
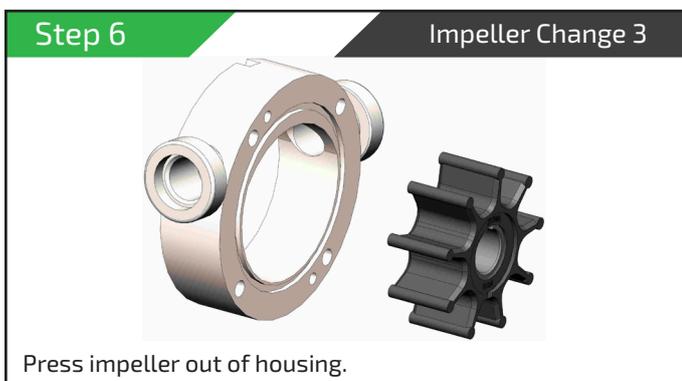
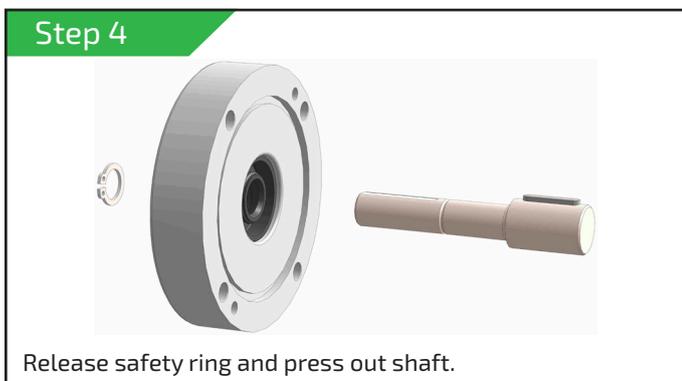
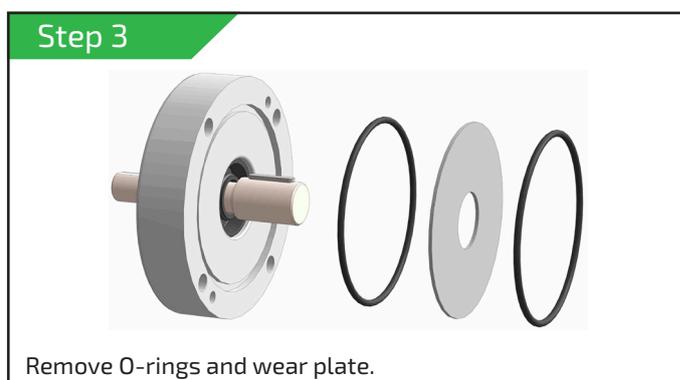
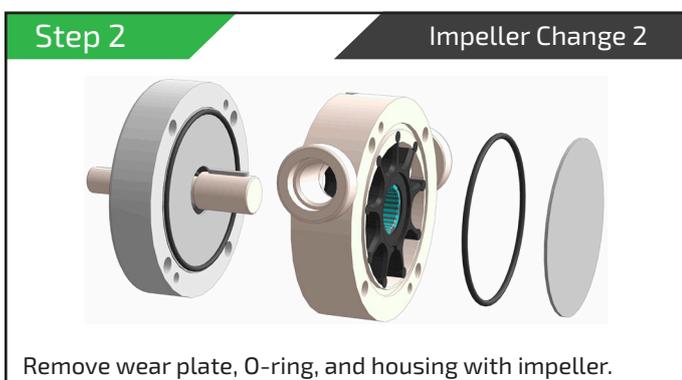
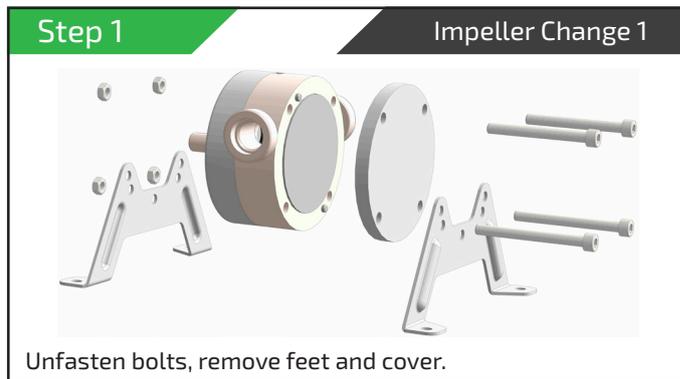
Impeller Change 4



Turn impeller counter-clockwise into the housing, and push impeller up as far as possible.



Reassemble the pump in reverse order.



Reassemble the pump in reverse order.



Flexible Impeller Pump Type NIROSTAR 2000



Danger of death due to electrical shock!
Prior to working on the pump always disconnect the drive from the power supply!

Step 1

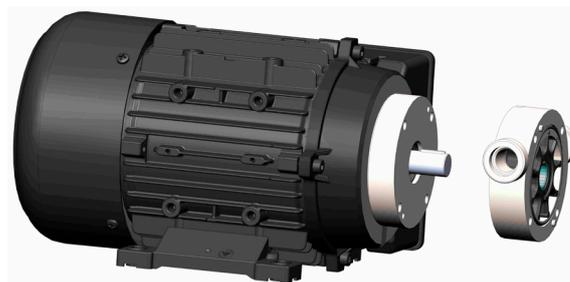
Impeller Change 1



Unfasten bolts, remove cover.

Step 2

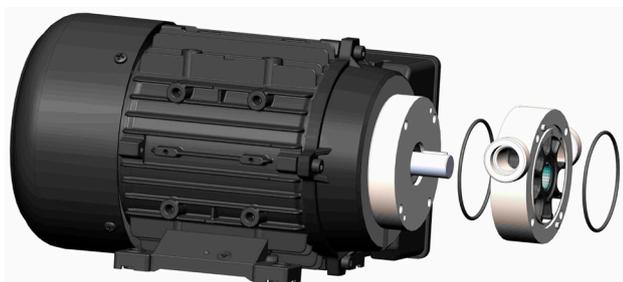
Impeller Change 2



Remove housing with impeller.

Step 3

Impeller Change 3



Remove O-rings.

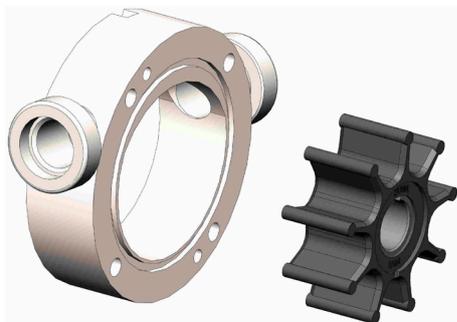
Step 4



Remove wear plate from the rear side. Release safety ring and press out shaft seal.

Step 5

Impeller Change 4



Press impeller out of housing.

Step 6

Impeller Change 5



Turn impeller counter-clockwise into the housing, and push impeller up as far as possible



Reassemble the pump in reverse order.



Flexible Impeller Pump Type NIROSTAR 2000



Danger of death due to electrical shock!
Prior to working on the pump always disconnect the drive from the power supply!

Step 1

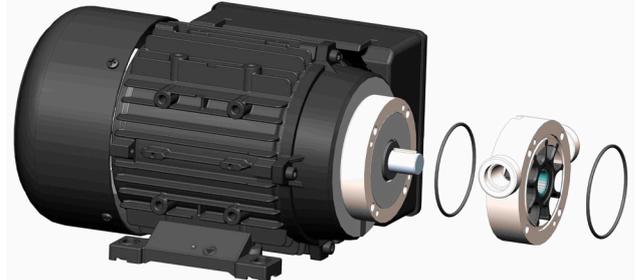
Impeller Change 1



Unfasten bolts, remove cover.

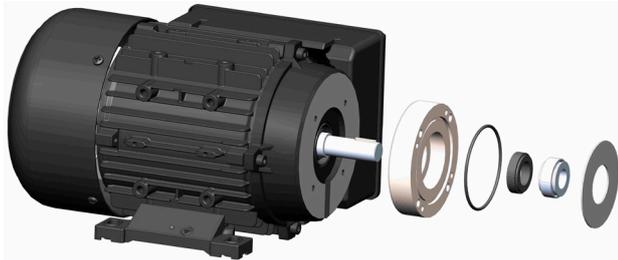
Step 2

Impeller Change 2



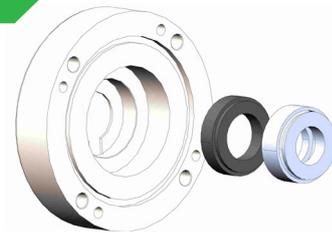
Pull off housing with impeller and remove O-rings and feather key.

Step 3



Remove wear plate and distance disc. Lightly lubricate shaft and remove mechanical seal rotating face. Push out mechanical seal stationary face from rear cover.

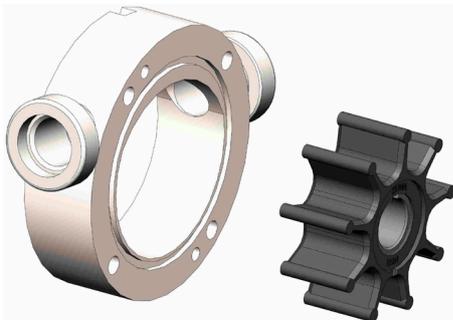
Step 4



Clean cover and shaft prior to reassembling. Lightly lubricate rubber component of mechanical seal stationary face, and press into cover. Apply rear cover to the motor, lightly lubricate the motor shaft, and slide the mechanical seal rotating face onto the shaft. Then press in the feather key. Reassemble the pump in reverse order.

Step 5

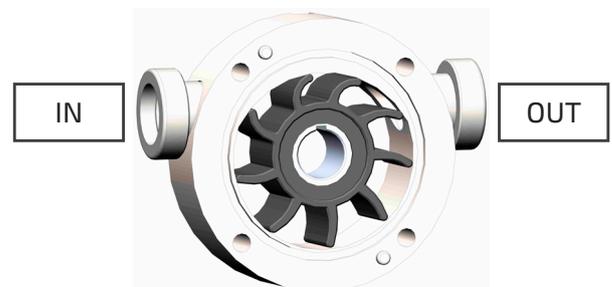
Impeller Change 3



Press impeller out of housing.

Step 6

Impeller Change 4



Turn impeller counter-clockwise into the housing, and push impeller up as far as possible.



Reassemble the pump in reverse order.



Flexible Impeller Pump Type NIROSTAR C-PLUS



Danger of death due to electrical shock!
Prior to working on the pump always disconnect the drive from the power supply!

Step 1

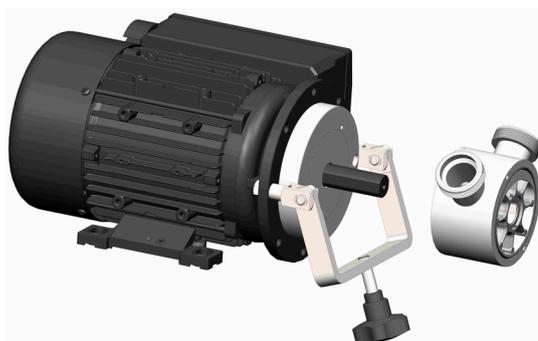
Impeller Change 1



Remove star handle, fold away the bracket, remove front cover and wear plate.

Step 2

Impeller Change 2



Remove housing with impeller.

Step 3

Impeller Change 3



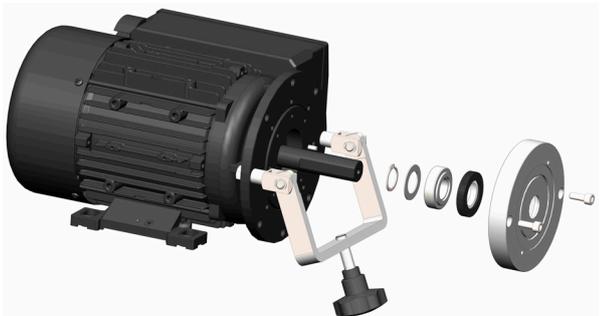
Remove O-rings.

Step 4



Remove wear plate and O-ring.

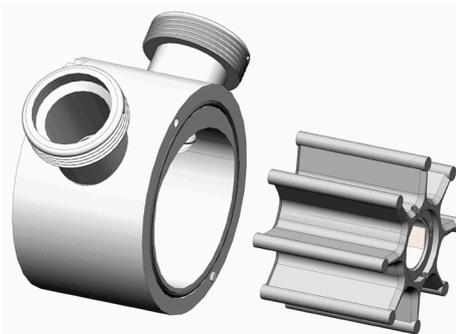
Step 5



Loosen cap screws and remove rear cover. Lightly grease motor shaft and pull off mechanical seal.

Step 6

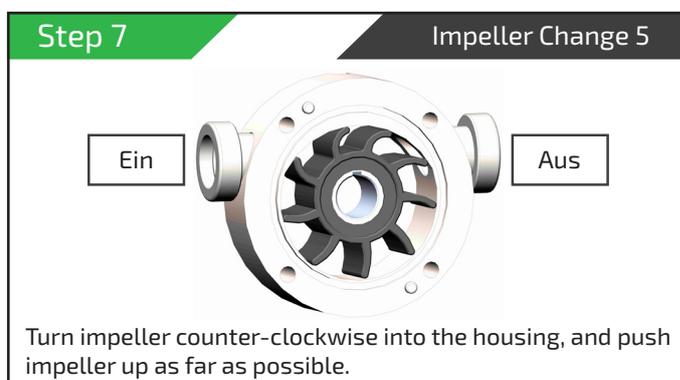
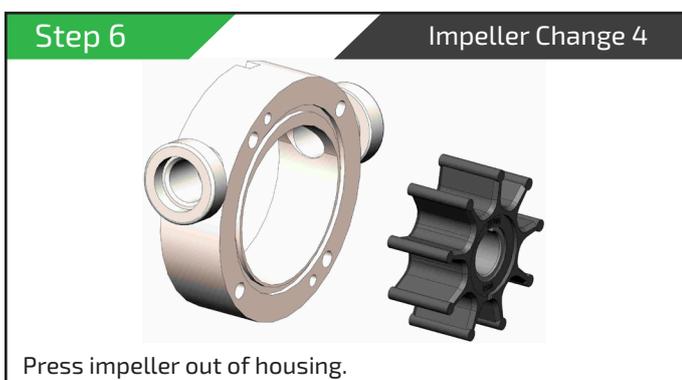
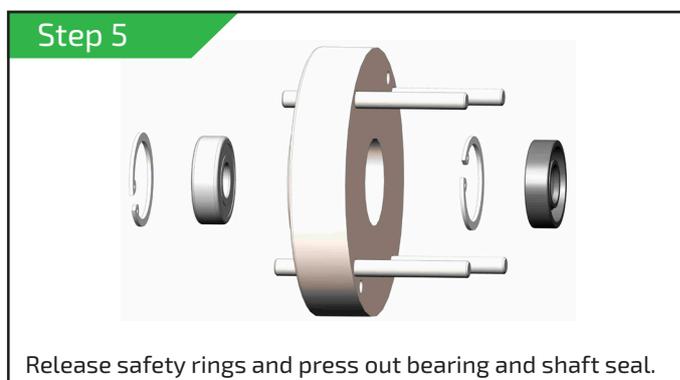
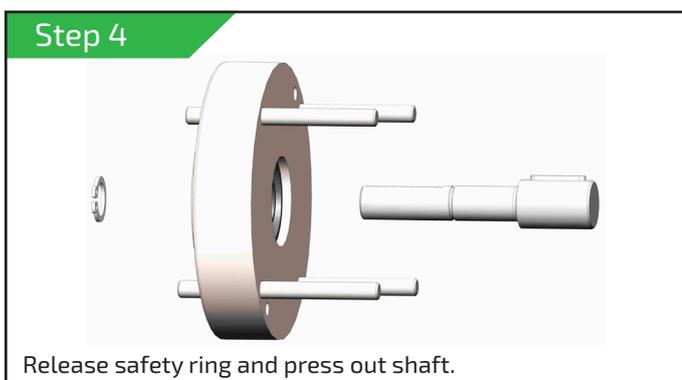
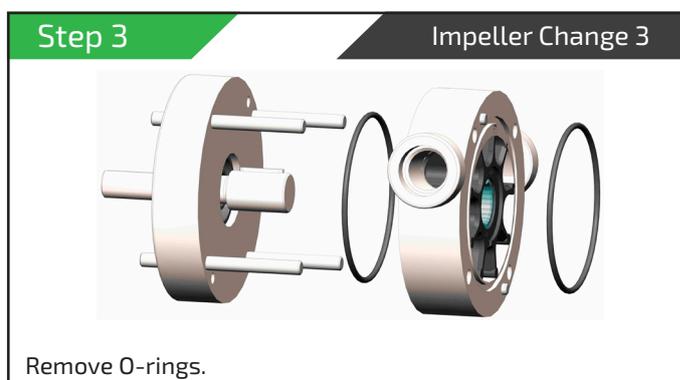
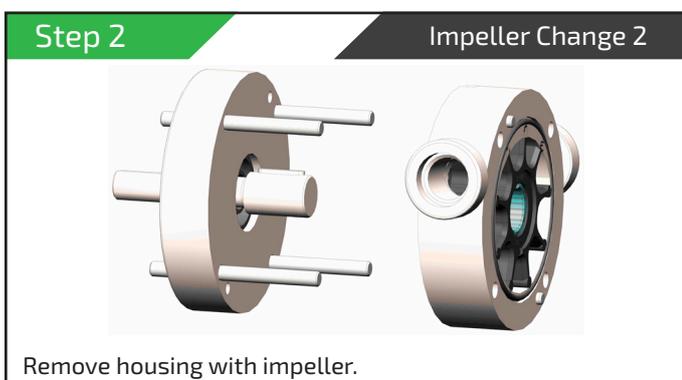
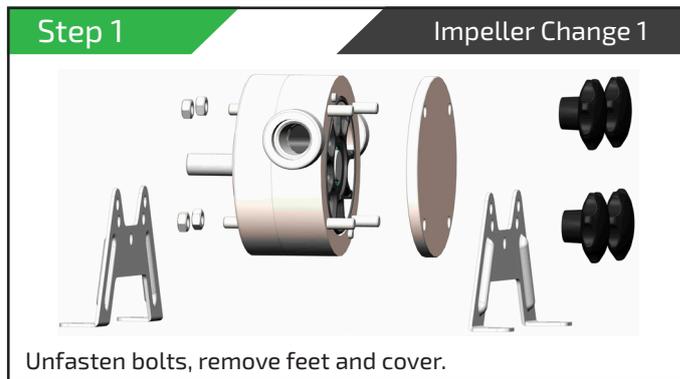
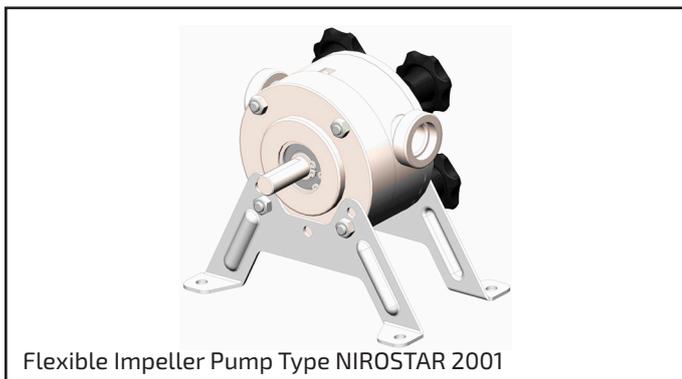
Impeller Change 4



Turn impeller counter-clockwise into the housing.



Reassemble the pump in reverse order.



Reassemble the pump in reverse order.



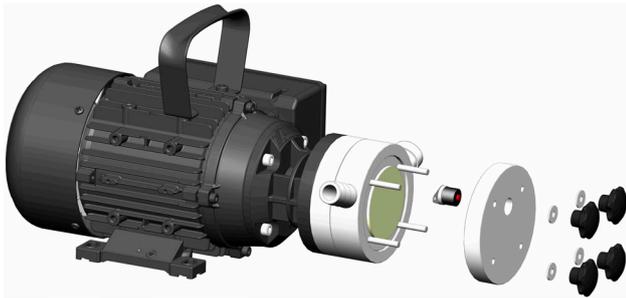
Flexible Impeller Pump Type ACOSTAR



Danger of death due to electrical shock!
Prior to working on the pump always disconnect the drive from the power supply!

Step 1

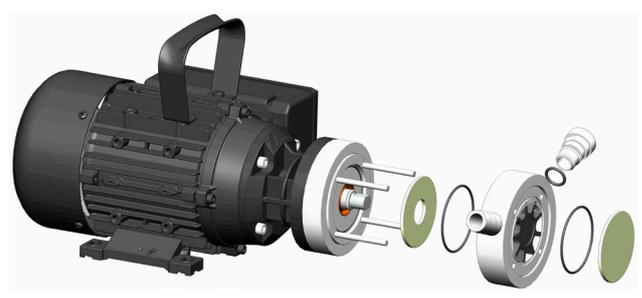
Impeller Change 1



Release star handles and remove front cover.

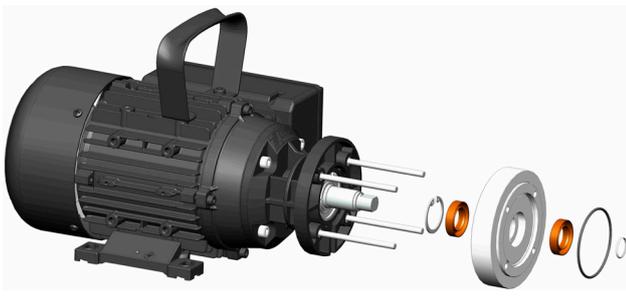
Step 2

Impeller Change 2



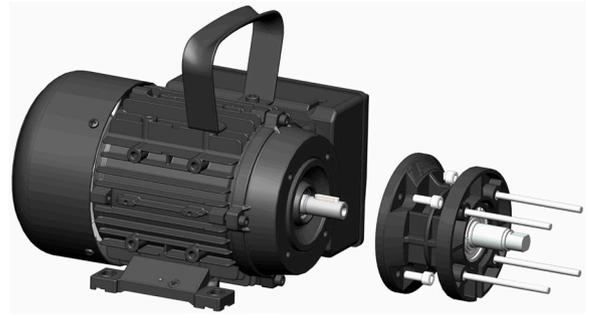
Pull off housing with impeller and remove O-rings and feather key.

Step 3



Pull off rear cover, remove rod seal, loosen safety ring and press out shaft seal.

Step 4



Remove the screws from pump carrier and pull off pump carrier.

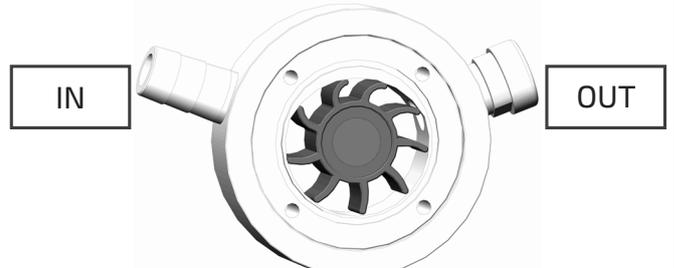
Step 5



Release safety ring and press out shaft with bearing, pull off bearing.

Step 6

Impeller Change 3



Turn impeller counter-clockwise into the housing, and push impeller up as far as possible.



Reassemble the pump in reverse order.