PRODUCT CATALOG

TMXFLOW

# SIDE ENTRY AGITATORS



# Side Entry Agitators

TMXFLOW
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## Application

The side entry agitators are used in process and storage tanks in the applications of the food-procesing industry.

The main application is the agitation of low viscosity products like wine, oil, milk, beer, alcohol, etc. in large volume tanks.

## Operation

These agitators are installed in a slanted position. The rotation of the propeller creates a flow that impales the product to the bottom of the tank and then raises up to the surface along the wall opposite to the agitator.

The effect is promoted if the bottom is curved. The agitator is installed decentralized to enhance the circular flow. This a complote homogenization of the product is achieved.

## User Benefits

Versatile, modular hygenic design can be configured for minimum energy consumption gentle product treatment more uptime and higher yields due to low maintenance.

## Materials

Parts in contact with the product ..... AISI 316L
Lantern and bearing support ..... GG 15
Mechanical seal ..... C/SiC/EPDM
Gaskets ..... EPDM
Surface finish ..... Ra< 0,8 um

## User Benefits

Double flushed mechanical seal,
Shaft and propeller lined with plastic material for use with
Corrosive product
Welded propeller with Ra< 0,5 um surface finish.
Motor shroud
Different propeller type.
ATEX motor.
HighFlow propeller.

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## Selection Parameters

| TYPE | Flow[1] (m³/h) | Tank[2] Volume (m³) | Power (kw) | Speed (rpm) | Weigth (kg) |
|---|---|---|---|---|---|
| SKYR 02-05-325 | 243 | 5-20 | 0,55 | | 55 |
| SKYR 02-07-400 | 455 | 20-50 | 0,75 | | 58 |
| SKYR 02-15-500 | 915 | 50-100 | 1,5 | 200 | 65 |
| SKYR 02-30-600 | 1550 | 100-150 | 3 | | 78 |
| SKYR 02-40-650 | 1973 | 150-200 | 5 | | 136 |

| TYPE | Flow (m³/h) | Tank Volume (m³) | Power (kw) | Speed (rpm) | Weigth (kg) |
|---|---|---|---|---|---|
| SKYM 15-15-175 | 275 | 5-20 | 1,5 | | 47 |
| SKYM 15-30-200 | 415 | 20-50 | 30 | | 57 |
| SKYM 15-55-225 | 815 | 80-140 | 5,5 | 1500 | 67 |
| SKYM 15-75-250 | 1081 | 80-140 | 7,5 | | 76 |
| SKYM 15-11-275 | 270 | 140-200 | 110 | | 146 |
| SKYM 10-01-200 | 385 | 5-20 | 1,1 | | 49 |
| SKYM 10-22-225 | 555 | 20-60 | 2,2 | | 63 |
| SKYM 10-30-250 | 715 | 20-60 | 30 | | 67 |
| SKYM 10-40-275 | 935 | 60-90 | 40 | 1000 | 76 |
| SKYM 10-55-300 | 1455 | 90-150 | 5,5 | | 151 |
| SKYM 10-75-350 | 1455 | 150-200 | 7,5 | | 183 |

## Propeller Type



HighFlow Propeller



Marine Propeller

The desing of the propeller have a decisive influence on the process engineering and mechanical properties.

Thanks to specific design of HighFlow propeller , it can be used when the tank volume is bigger thank 200 m3. Compared to other conventional propeller , it pumps more flow and delivers more energy to fluid with low power consumption.

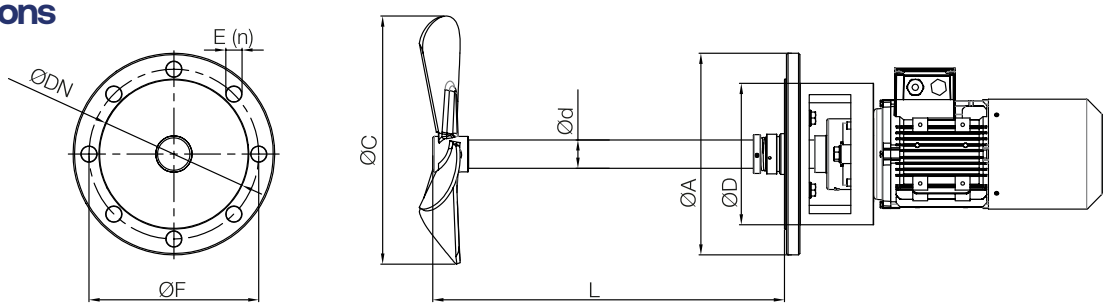
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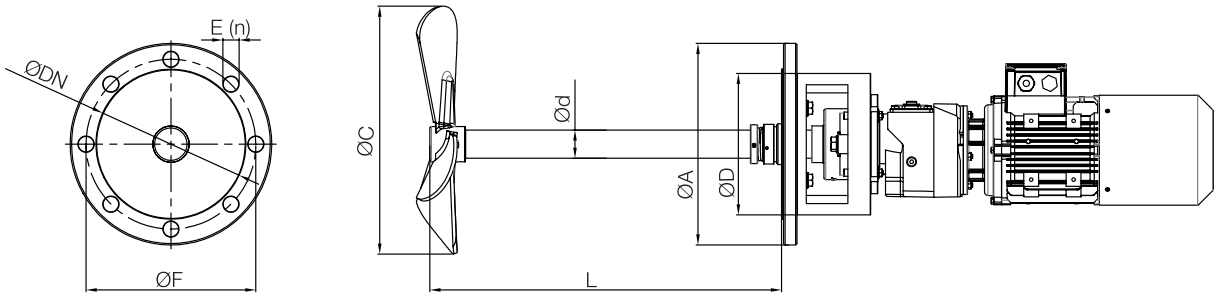
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## Dimensions




| TYPE | ØDN | ØF | ØA | Ød | ØD | E (n) | L | ØC |
|---|---|---|---|---|---|---|---|---|
| SKYM 15-15-175 | 150 | 240 | 285 | 40 | 212 | 18(8) | 400 | 175 |
| SKYM 15-30-200 | 150 | 240 | 285 | 40 | 212 | 18(8) | 500 | 200 |
| SKYM 15-55-225 | 200 | 295 | 340 | 50 | 259 | 23(8) | 500 | 225 |
| SKYM 15-75-250 | 200 | 350 | 395 | 50 | 259 | 23(8) | 500 | 250 |
| SKYM 15-11-275 | 250 | 240 | 285 | 60 | 312 | 23(12) | 600 | 275 |
| SKYM 10-01-200 | 150 | 240 | 285 | 40 | 212 | 18(8) | 400 | 200 |
| SKYM 10-22-225 | 150 | 295 | 340 | 40 | 212 | 18(8) | 500 | 225 |
| SKYM 10-30-250 | 200 | 395 | 340 | 50 | 259 | 23(8) | 500 | 250 |
| SKYM 10-40-275 | 200 | 350 | 395 | 50 | 259 | 23(8) | 500 | 275 |
| SKYM 10-55-300 | 250 | 350 | 395 | 60 | 312 | 23(12) | 600 | 300 |
| SKYM 10-75-350 | 250 | 350 | 395 | 60 | 312 | 23(12) | 600 | 350 |




| TYPE | ØDN | ØF | ØA | Ød | ØD | E (n) | L | ØC |
|---|---|---|---|---|---|---|---|---|
| SKYR 02-05-325 | 150 | 240 | 285 | 40 | 212 | 18(8) | 400 | 325 |
| SKYR 02-07-400 | 150 | 240 | 285 | 40 | 212 | 18(8) | 400 | 400 |
| SKYR 02-15-500 | 150 | 240 | 285 | 40 | 212 | 18(8) | 400 | 500 |
| SKYR 02-30-600 | 200 | 295 | 340 | 50 | 259 | 23(8) | 500 | 600 |
| SKYR 02-40-650 | 250 | 350 | 395 | 60 | 312 | 23(12) | 500 | 650 |