

# DOLPHIN VL 0430-0750 A

## Partial Recirculation

Liquid ring vacuum pump units



**VACUUM SOLUTIONS**

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### Robust

Proven technology, reliable operation, corrosion-free stainless steel impeller, extremely high vapor and particle tolerance, part of the operating fluid is recirculated, fresh liquid introduced in sufficient quantity to maintain proper temperature

### All-in-One

Unit with base frame, operating fluid separator, control system, including inlet check valve, fresh liquid supply kit, level indicator with switches, temperature and pressure indicators and cavitation protection

### Flexible

Choice of cast iron (EN-GJL-200) or 316 grade stainless steel material housings, ATEX-certified version available (Cat. 1 (i/o) IIB, T4), operating fluids other than water possible

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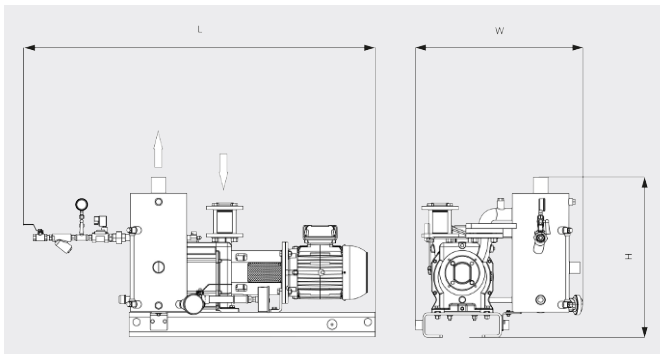
Liquid ring vacuum pump units



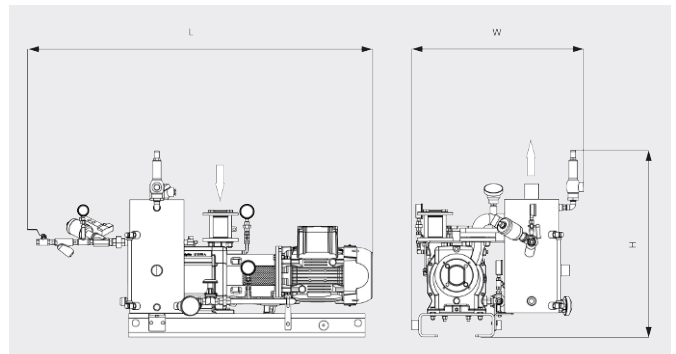
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Dimensional drawing



Dimensional drawing



|                               | DOLPHIN VL 0430 A Partial Recirculation                     | DOLPHIN VL 0510 A Partial Recirculation                     | DOLPHIN VL 0630 A Partial Recirculation                      | DOLPHIN VL 0750 A Partial Recirculation                      |
|-------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|--------------------------------------------------------------|
| <b>Nominal pumping speed</b>  | 340 / 419 m <sup>3</sup> /h (50 / 60 Hz)                    | 430 / 515 m <sup>3</sup> /h (50 / 60 Hz)                    | 498 / 574 m <sup>3</sup> /h (50 / 60 Hz)                     | 600 / 710 m <sup>3</sup> /h (50 / 60 Hz)                     |
| <b>Ultimate pressure</b>      | 33 hPa (mbar) (50 / 60 Hz)                                  | 33 hPa (mbar) (50 / 60 Hz)                                  | 33 hPa (mbar) (50 / 60 Hz)                                   | 33 hPa (mbar) (50 / 60 Hz)                                   |
| <b>Nominal motor rating</b>   | 11.0 / 15.0 kW (50 / 60 Hz)                                 | 11.0 / 15.0 kW (50 / 60 Hz)                                 | 15.0 / 22.0 kW (50 / 60 Hz)                                  | 18.5 / 30.0 kW (50 / 60 Hz)                                  |
| <b>Weight approx.</b>         | 435 / 513 kg (Safe / ATEX)                                  | 465 / 543 kg (Safe / ATEX)                                  | 541 / 612 kg (Safe / ATEX)                                   | 593 / 685 kg (Safe / ATEX)                                   |
| <b>Dimensions (L x W x H)</b> | 1524 x 869 x 947 /<br>1642 x 936 x 1066 mm<br>(Safe / ATEX) | 1591 x 870 x 947 /<br>1702 x 936 x 1066 mm<br>(Safe / ATEX) | 1817 x 955 x 962 /<br>1811 x 1045 x 1243 mm<br>(Safe / ATEX) | 1822 x 955 x 962 /<br>1903 x 1045 x 1243 mm<br>(Safe / ATEX) |
| <b>Gas inlet / outlet</b>     | G 2" / R 3"                                                 | G 2" / R 3"                                                 | G 2½" / R 4"                                                 | G 2½" / R 4"                                                 |

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