

COBRA DS 3010/3161 C/G

Dry screw vacuum pumps



Discover all advantages of
the product series COBRA
DS

High performance

Advanced screw design, excellent running qualities, integrated vacuum booster, perfectly suited for chemical vapor deposition, rapid thermal processing or atomic layer deposition

Efficient

Low cost of ownership, minimal maintenance, long service intervals, high uptime, efficient indirect water cooling, high hydrogen throughput

Compact

Fit-in-place design, directly mounted canned motor, backing pump and vacuum booster combined on a compact base frame

Accessories

- Optional powder process version available (only for DS 3010 G and DS 3161 C)
- Optional tantal coating

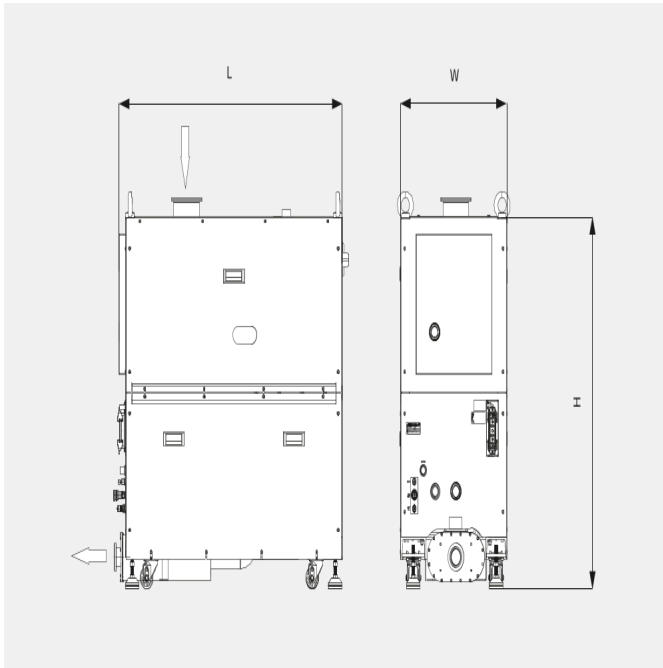
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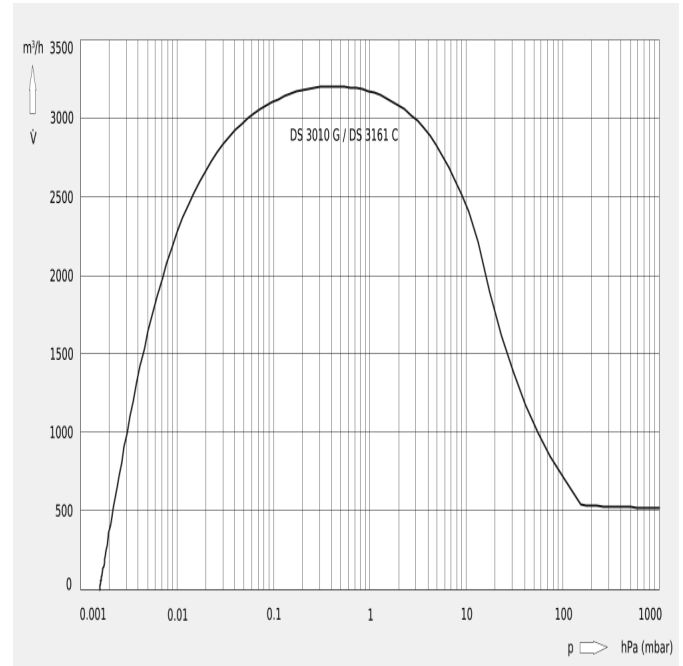
VACUUM SOLUTIONS

Dimensional drawing



Pumping speed

Air at 20 °C. Tolerance: ± 10%



The following technical values refer to ISO 50 Hz

| | COBRA DS 3010 G | COBRA DS 3161 C |
|--|------------------------|------------------------|
| Nominal pumping speed | 3200 m³/h | 3200 m³/h |
| Ultimate pressure | 0.001 hPa (mbar) | 0.001 hPa (mbar) |
| Nominal motor rating backing pump | 15 kW | 15 kW |
| Nominal motor rating vacuum booster | 15 kW | 15 kW |
| Power consumption at ultimate pressure | 11.8 kW | 11.8 kW |
| Power consumption idle mode | 9.9 kW | 9.9 kW |
| Nominal motor speed backing pump | 3600 min ⁻¹ | 3600 min ⁻¹ |
| Nominal motor speed vacuum booster | 5400 min ⁻¹ | 5400 min ⁻¹ |
| Sound pressure level (ISO 2151) | < 75 dB(A) | < 75 dB(A) |
| Water consumption | 10 l/min | 10 l/min |

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| | COBRA DS 3010 G | COBRA DS 3161 C |
|-------------------------------|----------------------|----------------------|
| Nitrogen consumption | 0 – 200 l/min | 0 – 200 l/min |
| Weight approx. | 1500 kg | 1375 kg |
| Dimensions (L x W x H) | 1420 x 722 x 1452 mm | 1316 x 633 x 1249 mm |
| Gas inlet | DN 160 | DN 160 |
| Gas outlet | DN 63 | DN 63 |

The following technical values refer to ISO 60 Hz

| | COBRA DS 3010 G | COBRA DS 3161 C |
|---|------------------------|------------------------|
| Nominal pumping speed | 3200 m ³ /h | 3200 m ³ /h |
| Ultimate pressure | 0.001 hPa (mbar) | 0.001 hPa (mbar) |
| Nominal motor rating backing pump | 15 kW | 15 kW |
| Nominal motor rating vacuum booster | 15 kW | 15 kW |
| Power consumption at ultimate pressure | 11.8 kW | 11.8 kW |
| Power consumption idle mode | 9.9 kW | 9.9 kW |
| Nominal motor speed backing pump | 3600 min ⁻¹ | 3600 min ⁻¹ |
| Nominal motor speed vacuum booster | 5400 min ⁻¹ | 5400 min ⁻¹ |
| Sound pressure level (ISO 2151) | < 75 dB(A) | < 75 dB(A) |
| Water consumption | 10 l/min | 10 l/min |
| Nitrogen consumption | 0 – 200 l/min | 0 – 200 l/min |
| Weight approx. | 1500 kg | 1375 kg |
| Dimensions (L x W x H) | 1420 x 722 x 1452 mm | 1316 x 633 x 1249 mm |
| Gas inlet | DN 160 | DN 160 |
| Gas outlet | DN 63 | DN 63 |

DO YOU WANT TO KNOW MORE

Please contact us!
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CONTACT FORM



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