

Seco

Rotary Vane Vacuum Pumps / Compressors DC 0063–0140 B/C



- › **Application oriented:**
ideal for paper handling in printing presses and post-press processing machines
- › **Dry-running:**
self-lubricating vanes, no oil to fill, drain, change or discard
- › **Easy maintenance:**
service kit on-site, standard tools
- › **Economical:**
low energy consumption, cost-effective maintenance

Seco DC rotary vane vacuum pumps/compressors were developed specifically for paper handling in printing presses and post-press processing equipment. They provide a reliable vacuum supply to hold, move or transport paper. Blast air is also generated to separate individual sheets of paper from a stack.

Seco DC ensures vacuum levels exactly matched to the requirements of printing presses and post-press processing machines, and may be adjusted for throughput speed and paper quality. The blast air may also be set to allow optimal transition of sheets through the machines. An internal secondary inlet allows the vacuum and blast air supplies

to operate independently. The blast air is cooled by an integrated heat exchanger. The defining characteristics of the Seco DC are completely oil-free vacuum and blast air generation, high availability and out-standing reliability. These characteristics are ensured by highly resilient and self-lubricating special graphite rotor vanes and a robust construction. The compact dimensions of Seco units allow them to be easily connected or installed almost anywhere.

Maintenance may be carried out by the user – apart from visual inspection and the replacement of vanes and filter elements at the recommended intervals, no additional maintenance is required.

Seco DC – the ideal solution for reliable paper transport through printing presses and post-press processing units.



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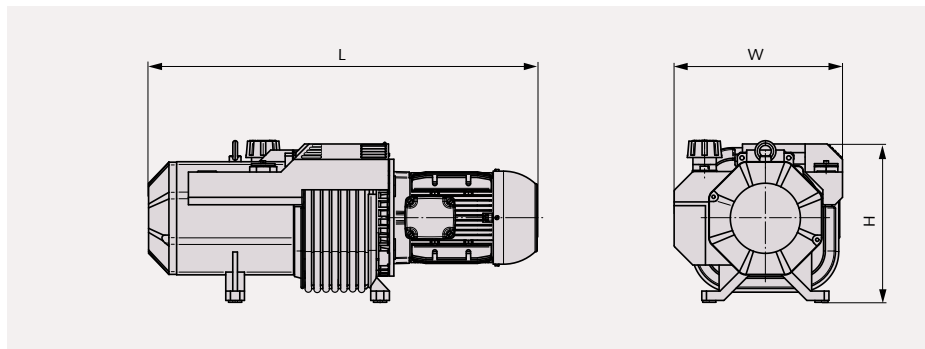
Technical specifications

Seco DC rotary vane pumps/compressors use the proven rotary vane operating principle. Because the rotor vanes are self-lubricating, no operating fluids are required and compression is completely dry. Integrated filter elements installed as standard equipment protect the pumps from contaminants. Regulating valves for vacuum and blast air are also fitted as standard, allowing the pump to be adjusted to the requirements of printing presses and post-press processing machines. A high-output ventilator ensures efficient heat removal from the motor and pump casing.

Accessories/Technical Options

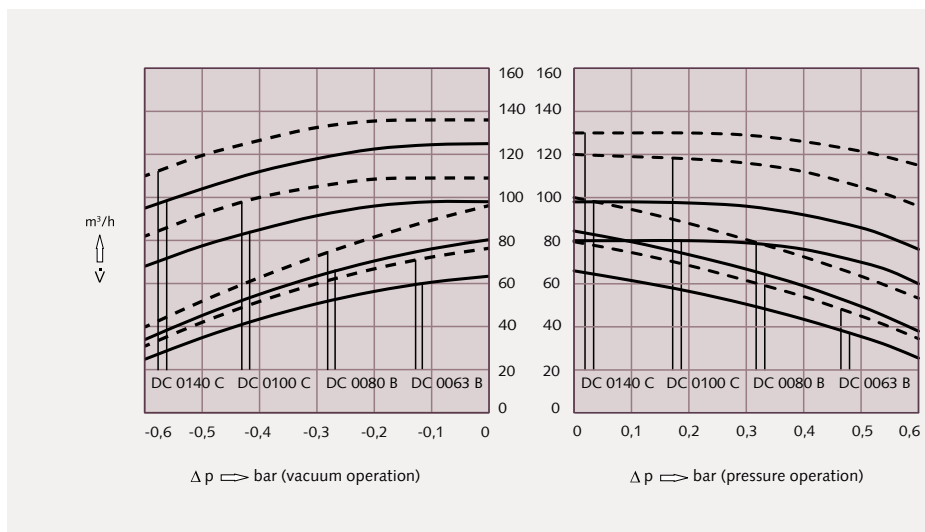
- Inlet filter
- Non-return valve
- Hose nipple

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Pumping speed/Volume flow

Air at 20 °C. Tolerance: ± 10% — 50 Hz - - - - 60 Hz



Technical Data			DC 0063 B	DC 0080 B	DC 0100 C	DC 0140 C
Operation air throughput	50 Hz / 60 Hz	m³/h	55 / 65	80 / 96	98 / 109	125 / 136
Vacuum	50 Hz / 60 Hz	bar	-0.6	-0.6	-0.6	-0.6
Overpressure	50 Hz / 60 Hz	bar	+0.6	+0.6	+0.6	+0.6
Nominal motor rating	50 Hz / 60 Hz	kW	2.2 / 3.4	3.0 / 4.2	4 / 5.5	5.5 / 7.5
Nominal motor speed	50 Hz / 60 Hz	min ⁻¹	1500 / 1800	1500 / 1800	1500 / 1800	1500 / 1800
Noise level (ISO 2151)	50 Hz / 60 Hz	dB(A)	75 / 76	76 / 77	77 / 78	78 / 79
Blast air temperature		°C	48	52	62	62
Weight approx.		kg	83	93	130	140
Dimensions (L x W x H)		mm	746 x 440 x 335	766 x 440 x 335	849 x 375 x 346	974 x 438 x 371
Gas inlet / outlet			G 1 ¼" / G 1 ¼"	G 1 ¼" / G 1 ¼"	G 1 ¼" / G 1 ¼"	G 1 ½" / G 1 ½"