

Seco

Rotary Vane Vacuum Pumps/Compressors DC 0025/0040 C



- **Application oriented:**
ideal for paper handling in printing presses and post-press processing machines
- **Dry-running:**
self-lubricating long life high performance vanes, no oil to fill, drain, change or discard
- **Easy maintenance:**
lifetime-lubricated bearings, service kit on-site, standard tools
- **Economical:**
low energy consumption, cost-effective maintenance, long life high performance vanes
- **Compact:**
direct-drive construction

Seco DC rotary vane 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 Seco DC are completely oil-free vacuum and blast air generation, high availability and outstanding reliability. These characteristics are ensured by highly resilient and self-lubricating special graphite rotor vanes, robust construction and lifetime-lubricated bearings. 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 servicing is required. The latest generation of rotor vanes has an operating lifetime up to three times longer than vanes constructed of conventional materials.

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



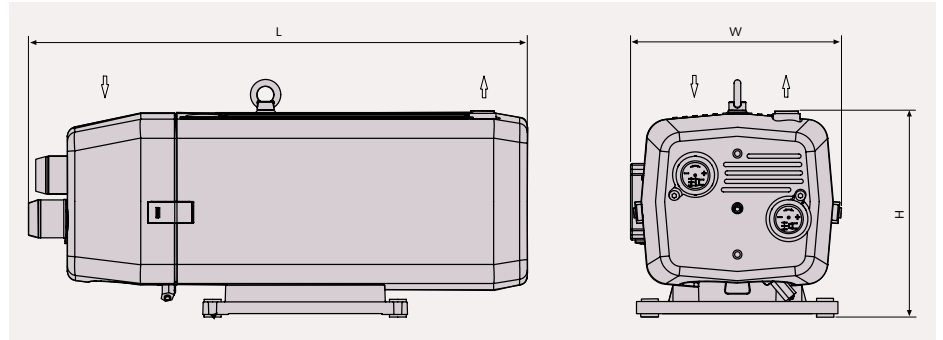
Technical Specifications

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

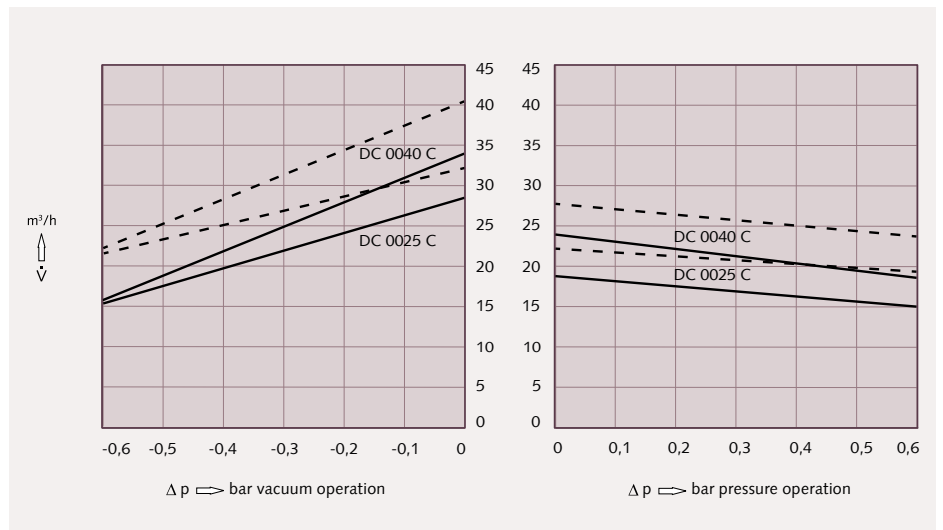
- Inlet filter
- Non-return valve
- Hose nipple

Seco DC 0025/0040 C



Pumping speed/Volume flow

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



Technical Data		DC 0025 C		DC 0040 C	
Air throughput	50 Hz / 60 Hz	m³/h	25 / 30	40 / 48	
Vacuum	50 Hz / 60 Hz	bar	-0.6	-0.6	
Overpressure	50 Hz / 60 Hz	bar	+0.6	+0.6	
Nominal motor rating	50 Hz / 60 Hz	kW	1.1	1.5	
Nominal motor speed	50 Hz / 60 Hz	min ⁻¹	1500 / 1800	1500 / 1800	
Noise level (ISO 2151)	50 Hz / 60 Hz	dB(A)	66 / 67	67 / 68	
Blast air temperature		°C	55 / 61	73 / 76	
Weight approx.		kg	33	40	
Dimensions (L x W x H)		mm	542 x 251 x 246	592 x 251 x 246	
Gas inlet / outlet			G 3/4" / G 3/4"	G 3/4" / G 3/4"	