Seco
SG 0008 A

BUSCH
Vacuum Pumps and Systems

Petrol Vapour Recovery – Stage II

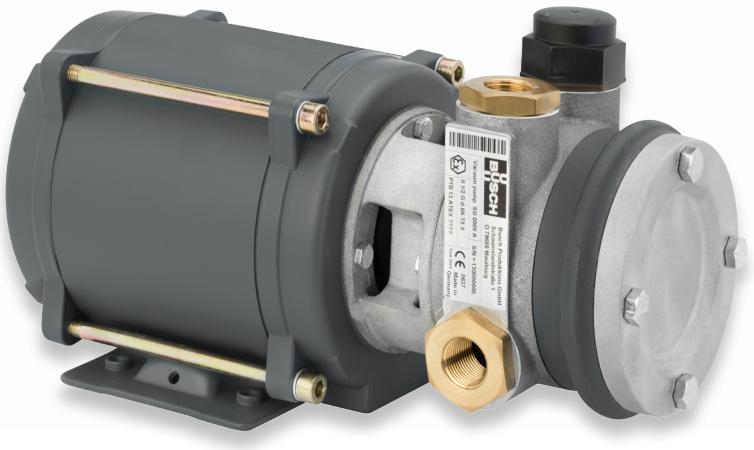
- **Robust rotary vane principle:** low pulsation and vibration levels, quiet operation, extremely reliable
- **Best safety features:** explosion protection according to ATEX directives, EC type examination certificate, integrated flame arrester
- **Excellent resistance:** to petrol vapour
- **High pumping speed:** may be connected to one or two petrol pump dispensers simultaneously
- **Outstanding efficiency:** optimal ratio of pumping speed to energy consumption
- **Nearly maintenance free:** no operating fluids required

The Seco SG 0008 A rotary vane vacuum pump was developed specifically for the recovery of petrol vapour (explosion group IIA) in motor vehicle filling station systems. It conforms to the ATEX directive 94/9 EC (designation Ex II 1/2 G cd IIA T3 X), and has been granted an EC type examination certificate. The high pumping speed of the Seco SG 0008 A permits vapour recovery from up to two petrol pump nozzles simultaneously. Throughput control is carried out by an integrated mechanical valve. The throughput volume may alternatively be controlled electronically by an external unit, especially when conformance to the low emission levels of the European Guidelines EN 16321 is required.

The rotary vane operating principle of the Seco SG 0008 A ensures efficient vapour extraction at low pulsation, vibration and noise levels.

The construction materials used for internal pump components are specifically selected for resistance to aggressive petrol vapour. As no cooling or lubricating fluids are used in the compression chamber, no cross contamination between the extracted petrol vapour and operating fluids can occur and maintenance costs are consequently lower. The proven design and clean working principle of the Seco SG 0008 A ensure outstanding reliability around the clock in filling station system applications, in both continuous and intermittent operation. Additional advantages of the Seco SG 0008 A include extended service lifetime and long maintenance intervals.

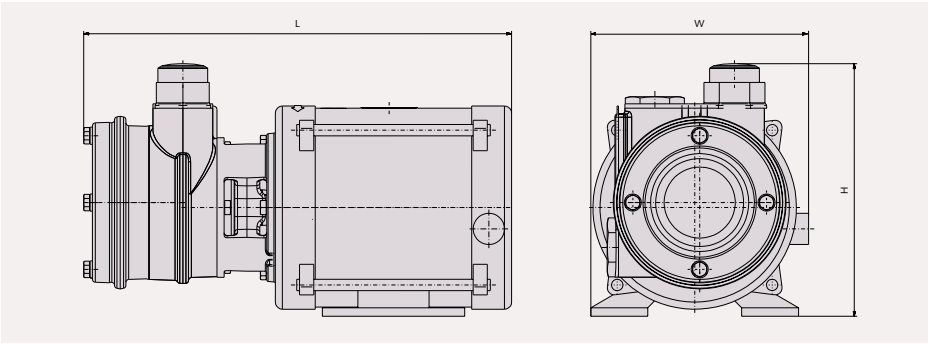
Seco SG 0008 A - the robust and reliable alternative for environmentally friendly refuelling.



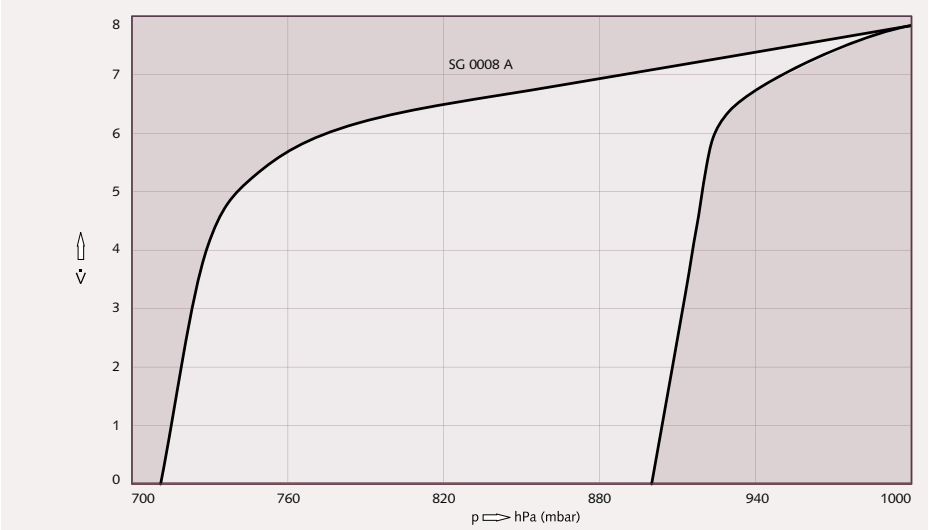
Seco
SG 0008 A

Technical specifications
Seco vacuum pumps use the rotary vane operating principle. Compression takes place without operating fluids. The consistently high pumping speeds are guaranteed through the perfectly coordinated construction materials and modern precision manufacturing techniques. The pump is driven by a directly flange-mounted motor. The graph of pumping speed shown here displays the controllable pressure range.

Seco SG 0008 A



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



Technical Data			SG 0008 A
Nominal pumping speed	50 Hz	l/min	130
Differential pressure	50 Hz	hPa (mbar)	100-250
Nominal motor rating	50 Hz	kW	0,12
Nominal motor speed	50 Hz	min^{-1}	3000
Noise level (ISO 2151)	50 Hz	dB(A)	52
Max. temperatur of inlet gas stream		°C	50
Weight approx.		kg	10
Dimensions (L x W x H)		mm	300 x 143 x 178
Gas inlet/outlet			G ½

Busch Austria GmbH
Josef Hafner-Straße 6 I 2100 Korneuburg I Phone +43 (0)2262 75 66 50 I busch@busch.at I **www.busch.at**