

Rotary Screw Vacuum Pumps ASV/BSV/CSV Series

With the world-renowned SIGMA PROFILE 

Capacities 4.75 to 15.7 m³/min – 99 % final vacuum, 10 mbar (a)



Vacuum airend

KAESER vacuum airend with high performance SIGMA PROFILE rotors, V-belt drive with automatic tensioning, inlet valve controlled by a solenoid valve, adjustable switching from evacuation to idling operation, permissible inlet air temperature up to +45 °C.

Electric motor

IP 55 protection (ASV series: IP 54), ISO F, 400 V, 3 Ph, 50 Hz.

Cooling

Air-cooled aluminium fluid cooler designed for ambient temperatures up to 40 °C.

Cooling fluid circuit

Thermostatic valve, bypass and full-flow micro-filter with replaceable insert, combined fluid reservoir and separator tank with pressure relief valve, multi-stage separator cartridge, fluid level sight glass, drain valve and hose,

quick-release couplings for measuring pressure drop across the separator cartridge, first fill of coolant included within scope of delivery.

Design and construction

Compact enclosure mounted on a solid base frame equipped with anti-vibration mounts, high quality powder-coated surfaces, mineral wool soundproof lining, lift-up and side-opening access doors, replaceable cooling air filter, vacuum airend and motor on anti-vibration mounts, flexible pipe connections, fully guarded belt drive and fan, vacuum filter for intake line with contamination indicator, infinite control of inlet valve via partial-load controller, change-over to Dual control mode possible, gas ballast unit for enhanced water vapour tolerance.

Control cabinet

IP 54 enclosure protection, 230 V control voltage, direct motor start-up, motor overload protection relay.



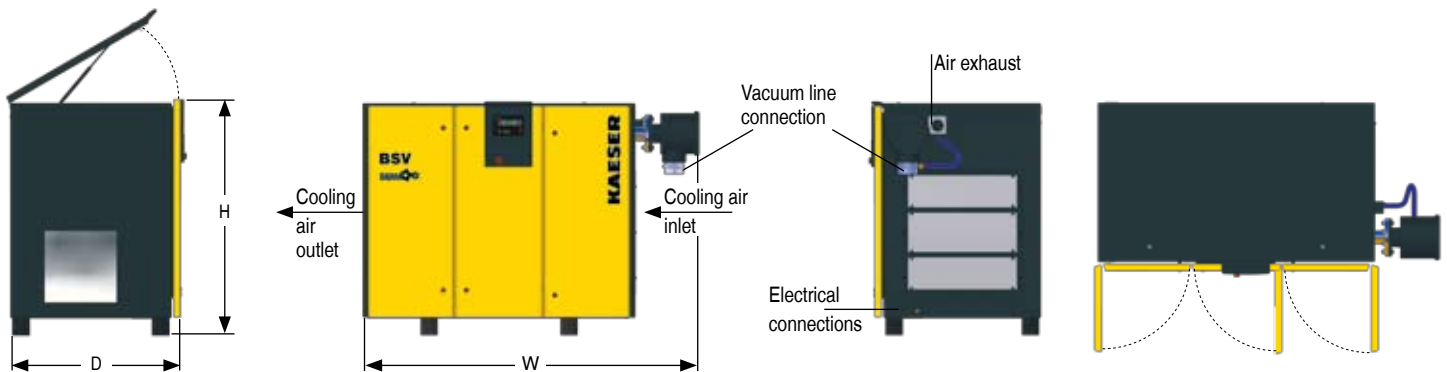
SIGMA CONTROL

PC-based controller with real time operating

system and update capability provides fully automatic control and monitoring. Red, yellow and green 'traffic-light' style LEDs show operational status at a glance. User-friendly operation: four line plain text display, touch keys and icons, 30 selectable languages and automatic shutdown upon alarm activation. Interfaces are provided for a modem, data networks and a second vacuum pump in base-load sequencing mode.

Standards and regulations

Conforms to German safety equipment act, EC machinery directives and EN 1012-2 for vacuum pumps.



Technical Specifications

Model	Capacity in m ³ /min at inlet pressure of 700mbar (a)	Max. vacuum mbar % (a)		Rated motor power kW	Motor speed	Inlet port	Discharge port	Dimensions W x D x H	Weight kg
		99	10						
ASV 40	4.75	99	10	7.5	3000	DN 65/PN16	G 1½	1695x861x1075	460
ASV 60	6.85	99	10	11	3000	DN 65/PN16	G 1½	1695x861x1075	470
BSV 80	8.4	99	10	15	3000	G 4	G 2	2065x986x1382	640
BSV 100	10.4	99	10	18.5	3000	G 4	G 2	2065x986x1382	720
CSV 125	13.1	99	10	22	1500	DN 100/PN16	G 3	2310x1216x1450	1375
CSV 150	15.7	99	10	30	1500	DN 100/PN16	G 3	2310x1216x1450	1550



KAESER KOMPRESSOREN GmbH

P.O. Box 2143 – 96410 Coburg – GERMANY – Tel: +49 9561 640-0 – Fax: +49 9561 640130
www.kaeser.com – e-mail: productinfo@kaeser.com