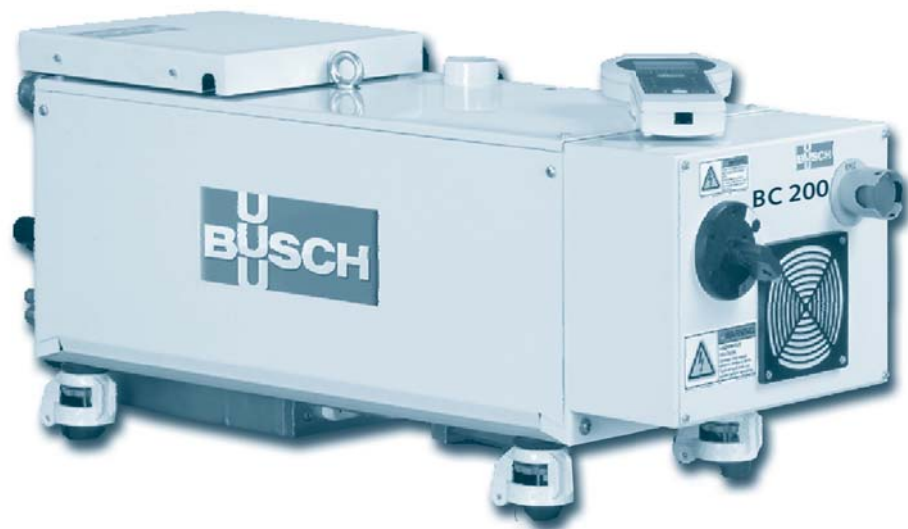


COBRA BC 200



COBRA BC 200

Principle of operation

The COBRA single-stage screw vacuum pump range takes advantage of the dry screw pump technology to maximize product uptime.

The advanced design allows for fewer moving parts, longer up-time between service, and lower nitrogen consumption than conventional multistage compression vacuum pumps.

The screw mechanism minimizes sliding areas inside the pump and thus has optimum restart capabilities. The innovative screw design results in a lower energy consumption as compared to standard screw designs. Using the indirect cooling principle the whole pump body is working at a uniform temperature level. There are no cold spots, and thus condensation is reduced to a minimum.

The COBRA series line is ideally suited for all harsh processes, that are found in the semiconductor industry of today and tomorrow.

High reliability

Due to the well proven twin screw design and the intelligent temperature management COBRA screw pumps are highly reliable even in the harshest applications in semiconductor processes and related applications. This results in a high life expectancy.

Low cost of ownership

Long MTBF (Mean time between failure) and preventive maintenance free operation are the main reasons for a low cost of ownership. Low utility consumption and the high reliability are responsible for lower production cost in the semiconductor industry.

Improved serviceability

A smaller number of parts with rotors made from one piece and the modular design result in lower costs for overhauls.

Tunable pump performance

The tunable pumping speed of the COBRA screw vacuum pumps allows for a flexible adaptation to changing process conditions. COBRA vacuum pumps can be used as pressure control element and will save energy by running always at the optimum pumping speed. The flexible programming of this feature allows for easy tool integration.

Advanced pump monitoring

COBRA vacuum pumps are well prepared for advanced monitoring, either at the pump directly or by the central monitoring system (CMS). With the latest version of the CMS vacuum pumps as well as abatement systems, vacuum valves and pipe heaters can be monitored.

Busch Semiconductor Vacuum Group

Europe
 Busch Semiconductor
 Vacuum Group B.V.
 Breudijk 2
 NL 3481 LP Harmelen
 info@buschsvg.nl
 www.buschsvg.nl

USA
 Busch Semiconductor
 Vacuum Group Inc.
 18430 Sutter Blvd.
 Morgan Hill, CA 95037
 info@buschsvg.com
 www.buschsvg.com

Taiwan
 Busch Semiconductor
 Vacuum Group Corp.
 1F, Building D, No. 120
 Jhonghua Road
 Hsin Chu Industrial Park
 Hukou Township,
 Hsin Chu County 303
 semicon@busch.com.tw
 www.buschsvg.com.tw

Korea
 Busch Semiconductor
 Vacuum Group Korea
 392-1 Yangji-Ri, Yangji-Myun,
 Yongin-City, Kyungki-Do
 449-823 South Korea
 busch@buschkorea.co.kr
 www.buschsvg.co.kr

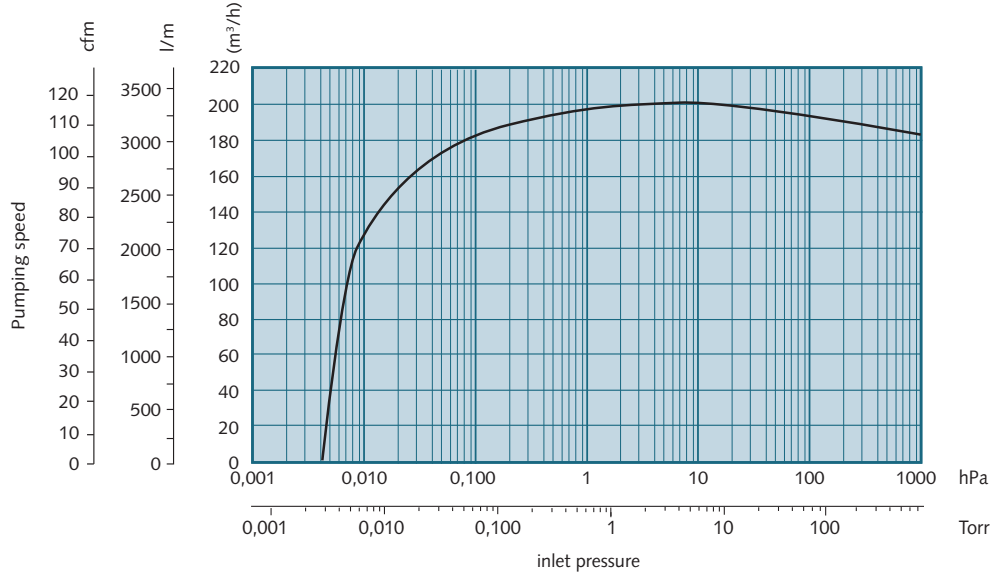
Japan
 Nippon Busch K.K.
 1-23-33, Megumigaoka
 Hiratsuka City, Kanagawa
 Japan 259-1220
 info@busch.co.jp
 www.buschsvg.jp

Singapore
 Busch Vacuum Singapore Pte. Ltd.
 20 Shaw Road, Unit 01-03
 Singapore 367956
 busch@busch.com.sg
 www.busch.com.sg

China
 Busch Semiconductor
 Vacuum Group
 No.5, Lane 195 Xipu Road
 Songjiang Industrial Estate
 East New Zone
 Shanghai 201611 PRC
 busch@busch-china.com
 www.buschsvg.com.cn

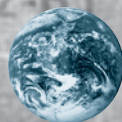
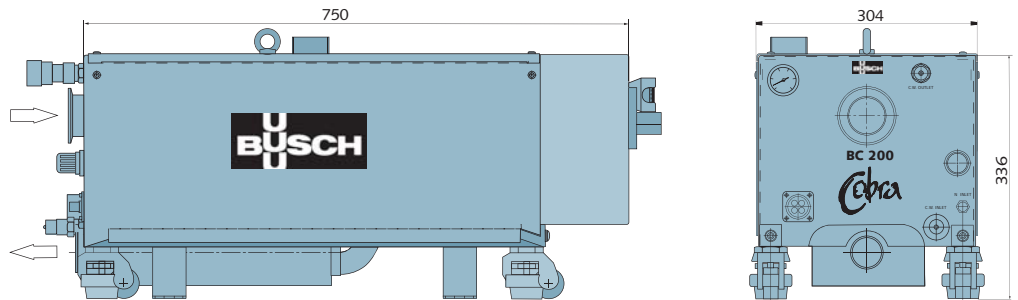
Technical data

Pumping speed



Technical data		COBRA BC 200	Technical data		COBRA BC 200
Pumping speed	m³/h	200	Nitrogen pressure	bar	1,5
	l/min	3333		psi	
	cfm	118			
Ultimate pressure	hPa(mbar)	0,01	Noise level	dB (A)	<58
	mTorr	7,5			
Power consumption at ultimate pressure	kW	1,3	Inlet/outlet size	inlet	DN 50
				outlet	DN 40
Cooling water consumption	l/min	2 - 8	Weight	kg	130
Cooling water pressure	bar	2 - 5	Ambient temperature	°C	0 - 40
	psi			°F	32 - 104
Nitrogen consumption	l/min	0 - 50			

Dimensions



Busch – all over the world in Industry

Technical changes reserved

Printed in Germany/BP 0870 146 566 01/1