

ENVIRO[®] SCB SERIES

WASTEWATER

AERATION SIDE CHANNEL BLOWERS





ABOUT US	04
CAPABILITIES	05
KEY FEATURES	06
INFOGRAPHIC	07
SINGLE PHASE BLOWERS	08
THREE PHASE BLOWERS	10
ACCESSORIES	12
ORDERING	13
CONTACT DETAILS	14

Did you know?

Charles Austen Pumps invents its own pump technology and invests heavily in state of the art R&D to design, develop and prove its new products.

ABOUT US

About the Blowers

At Charles Austen Pumps Ltd we stock an extensive range of side channel blowers and accessories that have been specifically sized for the critical needs of the wastewater and sewage industry. The range incorporates air blowers with flow rates from 5m³/hr to over 500m³/hr. We offer both single phase and three phase motor variants.

Our History

1919/
1954

The company's original founder 'Charles Austen' invented the first ever compact diaphragm pump following the First World War. In 1954 Charles Austen Ltd. was renamed Charles Austen Pumps Ltd during an acquisition by the current family ownership.

1971

The American space program was still firing on all cylinders. Charles Austen pumps were specified to test certain components of the rover module by creating an ultimate vacuum chamber.

2012

Charles Austen's American division, Blue Diamond Pumps Inc opened it's USA facility. Offering a fully stocked distribution hub.

CAPABILITIES

Tooling & Machining

Supported by a dedicated staff of highly skilled craftsmen utilizing CNC machining and EDM equipment, Charles Austen Pumps has the flexibility to support new product development with fast and viable tooling and machining to assist manufacture.

Product Development

Charles Austen Pumps invents its own pump technology and invests heavily in state of the art R&D to design, develop and prove its new products.

Assembly

With 3 dedicated assembly facilities, Charles Austen Pumps employs a cell production system and can accommodate small to high volume production requirements.

Moulding

With more than 50 years of experience, Charles Austen Pumps have in house injection moulding facilities with the latest high-tech CNC machines.

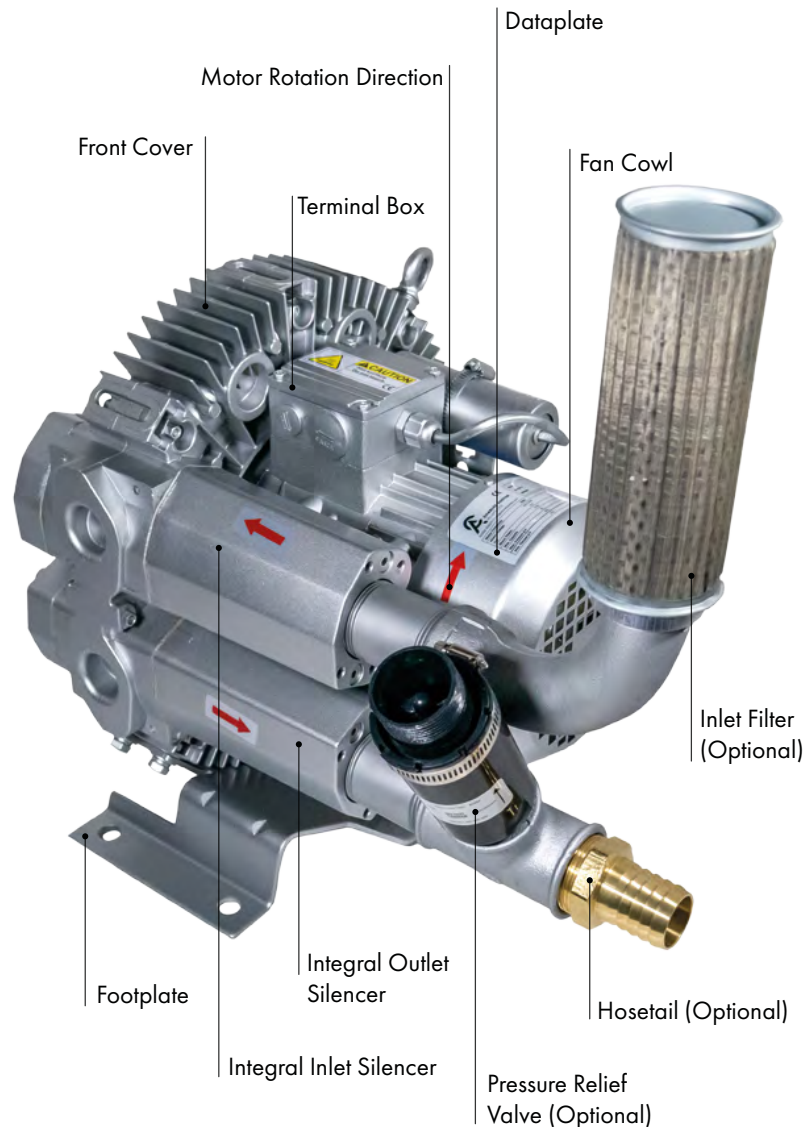
Warehousing

With 5 dedicated warehouse buildings on site, alongside our international distribution facilities, Charles Austen Pumps have the capacity to hold huge orders in waiting.



INFOGRAPHIC

With their high displacement volume and differential pressures over 400mbar(g) our low noise side channel blowers are ideally suited for the critical and demanding needs of the wastewater sector. The built-to-last robust construction is virtually maintenance free and delivers 20,000 hours operation without fail.



KEY FEATURES



Stocked in our UK Warehouse.



Proven technology, extremely reliable.



Durable design, industrial quality and built to last.



High efficiency impeller(s).



Die cast aluminium construction.



Non-contact zero-wear operation.



Maintenance free operation.



Low noise level.



International Efficiency Approved.



Low pulsation.



UL Approved.

CHARLES AUSTEN SIDE CHANNEL BLOWERS

At Charles Austen Pumps Ltd we stock an extensive range of side channel blowers and accessories specifically sized for both domestic and municipal wastewater treatment plants. We offer both single phase and three phase variants with flowrates ranging from 5m³/hr to over 500m³/hr.



SINGLE PHASE BLOWERS

SINGLE PHASE BLOWERS

Aluminium construction, smooth airflow and maintenance free operation. Our industrial single phase blowers range from 0.55kW to 1.5kW with flowrates up to 150m³/hr.

We recommend replacing the inlet filter every 12-24 months depending on condition.

Can be supplied "ready to go" with inlet filter, pressure relief valve protection and hoses.

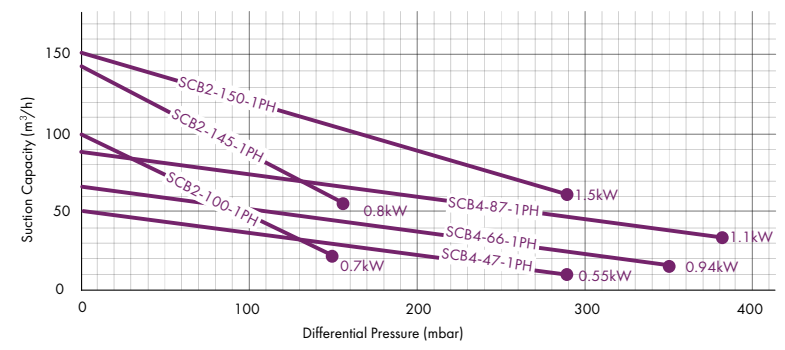
Other models/sizes available upon request.



Key Features



Model	kW Rating	Voltage	FLC (A)	Freeflow	Max Δ P	Port size
SCB4-47-0.55kW-1PH	0.55kW	230V	3.0	47m ³ /hr	290mbar(g)	1 1/4" BSP
SCB2-100-0.7kW-1PH	0.7kW	230V	4.8	100m ³ /hr	150mbar(g)	1 1/4" BSP
SCB2-145-0.8kW-1PH	0.8kW	230V	5.2	145m ³ /hr	160mbar(g)	1 1/2" BSP
SCB4-66-0.94kW-1PH	0.94kW	230V	9.0	66m ³ /hr	350mbar(g)	1 1/4" BSP
SCB4-87-1.1kW-1PH	1.1kW	230V	10.1	87m ³ /hr	380mbar(g)	1 1/4" BSP
SCB2-150-1.5kW-1PH	1.5kW	230V	9.0	150m ³ /hr	290mbar(g)	1 1/2" BSP





THREE PHASE BLOWERS

THREE PHASE BLOWERS

Aluminium construction, smooth airflow and maintenance free operation. Our industrial three phase blowers range from 0.55kW to 7.5kW with flowrates over 500m³/hr.

We recommend replacing the inlet filter every 12-24 months depending on condition.

Can be supplied "ready to go" with inlet filter, pressure relief valve protection and hosesail.

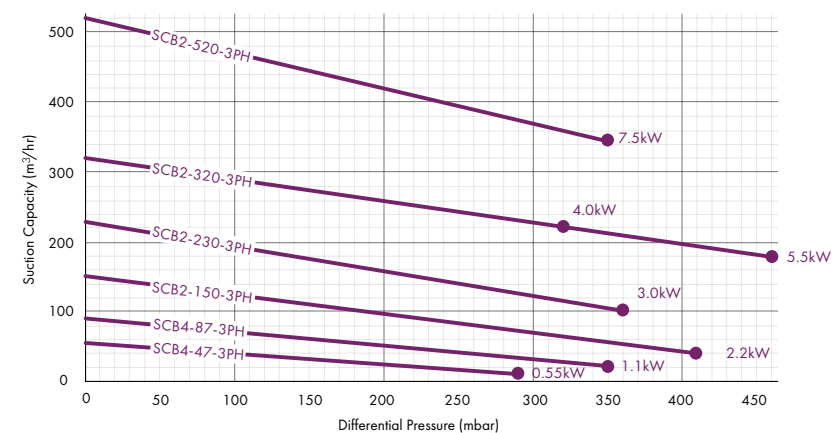
Other models/sizes available upon request.



Key Features



Model	kW Rating	Voltage	FLC (A)	Freeflow	Max Δ P	Port size
SCB4-47-0.55kW-3PH	0.55kW	230/400V	2.45 Δ/1.42 Y	47m ³ /hr	290mbar(g)	1 1/4" BSP
SCB4-87-1.1kW-3PH	1.1kW	230/400V	3.9 Δ/2.25 Y	87m ³ /hr	350mbar(g)	1 1/4" BSP
SCB2-150-2.2kW-3PH	2.2kW	230/400V	8.1 Δ/4.6 Y	150m ³ /hr	410mbar(g)	1 1/2" BSP
SCB2-230-3.0kW-3PH	3.0kW	230/400V	11.4 Δ/6.5 Y	230m ³ /hr	360mbar(g)	2" BSP
SCB2-320-4.0kW-3PH	4.0kW	400/690V	8.4 Δ/4.8 Y	320m ³ /hr	320mbar(g)	2" BSP
SCB2-320-5.5kW-3PH	5.5kW	400/690V	11.1 Δ/6.4 Y	320m ³ /hr	460mbar(g)	2" BSP
SCB2-520-7.5kW-3PH	7.5kW	400/690V	15.0 Δ/8.7 Y	520m ³ /hr	350mbar(g)	2 1/2" BSP



ACCESSORIES

Utilising an inlet filter and pressure relief valve is essential to protecting the blower and ensuring long-term hassle free operation. The inlet filter must be housed, it is suitable only for dry air and cannot be used with liquids.

Further accessories available upon request.



Inlet Filter - With Fittings



PRV - With Fittings



Hosetail



Inlet Filter (Spare)



PRV (Spare)

Model	Port Size	Inlet Filter with Fittings	Inlet Filter (Spare)	PRV with Fittings	PRV (Spare)	Hosetail
SCB4-47-0.55kW-1PH	1 1/4" BSP	AF32-KIT	AF32	RVP01-KIT	RVP01	Hosetail32
SCB4-47-0.55kW-3PH	1 1/4" BSP	AF32-KIT	AF32	RVP01-KIT	RVP01	Hosetail32
SCB2-100-0.7 kW-1PH	1 1/4" BSP	AF32-KIT	AF32	RVP01-KIT	RVP01	Hosetail32
SCB2-145-0.8kW-1PH	1 1/2" BSP	AF40-KIT	AF40	RVP01-KIT	RVP01	Hosetail40
SCB4-66-0.94kW-1PH	1 1/4" BSP	AF32-KIT	AF32	RVP02-KIT	RVP02	Hosetail32
SCB4-87-1.1kW-3PH	1 1/4" BSP	AF32-KIT	AF32	RVP02-KIT	RVP02	Hosetail32
SCB4-87-1.1kW-1PH	1 1/4" BSP	AF32-KIT	AF32	RVP02-KIT	RVP02	Hosetail32
SCB2-150-1.5kW-1PH	1 1/2" BSP	AF40-KIT	AF40	RVP01-KIT	RVP01	Hosetail40
SCB2-150-2.2kW-3PH	1 1/2" BSP	AF40-KIT	AF40	RVP02-KIT	RVP02	Hosetail40
SCB2-230-3.3kW-3PH	2" BSP	AF50-KIT	AF50	RVP02-KIT	RVP02	Hosetail50
SCB2-230-4.0kW-3PH	2" BSP	AF50-KIT	AF50	RVP02-KIT	RVP02	Hosetail50
SCB2-320-5.5kW-3PH	2" BSP	AF50-KIT	AF50	RVP02-KIT	RVP02	Hosetail50
SCB2-520-7.5kW-3PH	2 1/2" BSP	AF65-KIT	AF65	RVP04-KIT	RVM04	Hosetail65

ORDERING



WARRANTY

All Enviro SCB Series machines are covered by a comprehensive warranty. To validate this warranty the unit must be regularly checked and serviced on a yearly basis. We recommend replacing the filter every 12-24 months depending on condition.

Applications

Wastewater & sewage treatment systems are typical applications for the enviro® range, this can span from domestic to commercial tanks.

These blowers can also be used in other industries such as medical, plastics, woodworking, print, packaging. Examples include:

- Pneumatic Conveying
- Vacuum Holding
- Pick & Place
- AGSS
- Extraction Systems
- Vacuum Lifting
- Woodworking
- Drying



Phone your order & product enquiry hotline.
+44 (0) 1932355277



Email your order to:
enquires@charlesausten.com



For more product information and a look at our entire range of pumps you can visit our website:
www.charlesausten.com

COMPRESSED GAS s.r.o.

Bošianska cesta 1127/19

956 33 Chynorany

IČO: 36710415 IČ DPH: SK2022298135

Tel: 00421 (0)38 5423 228, 038 5423 229

Fax: 00421 (0)38 5423 230

INFO@COMPRESSEDGAS.SK →

enviro[®] SCB Series



CHARLES AUSTEN
PUMPS LTD

Charles Austen Pumps continuously delivers products that are at the forefront of technical development. We're driven by innovation and a fundamental desire to work alongside our customers in propelling their industries into the future.