

The background features a hand holding a globe with a network overlay and various fan icons. The Robuschi logo is in the top right corner.

ROBUSCHI®

FULL SPECTRUM OF
TECHNOLOGIES



ENERGY EFFICIENT SOLUTIONS FOR A GREENER FUTURE

Robuschi offers a wide portfolio of innovative products, services, and solutions that enhance energy efficiency and productivity at every stage of the treatment process.


For wastewater treatment plants, energy can account for as much as 75% of the overall operation costs of the facility. Aeration systems are the largest energy user in wastewater treatment plants (more than 50% of total electricity cost), so any improvements in efficiency can significantly reduce energy costs.

Up to 75% of your costs will be spent on energy, so state-of-the-art aeration equipment can make the difference, not only to reduce your carbon footprint, but also by substantially lowering life cycle costs.

The spectrum and process complexity of the environmental industry make it indispensable to choose a well-established, knowledgeable supplier for every application.



*The perfect partner for
your evolving needs.*



INNOVATION BACKED **BY** **EXPERIENCE**

In a competitive global market, our long history of supplying low pressure air solutions that suit the customers' exacting requirements sets us apart from the rest.

Using modern machining systems and state-of-the-art production processes, our product range is constantly evolving. Taking care of our ecosystem is part of Robuschi strategy, focusing on promoting environmentally friendly solutions, enhancing energy saving and protecting natural resources.

With a widespread presence, we offer local, ensuring our advanced technology is backed by technical support.



FIND THE PERFECT FIT FOR **YOUR** **LOW-PRESSURE** **APPLICATION**

Our team of highly skilled and experienced engineers is focused on developing products that offer maximum benefits to our customers with flexible configurations and even more optimized technical features.

The industrial sectors where it is possible to install our production range are unlimited, due to our different technologies we are able to offer the solution that best suits your needs and plant configurations.

- **Aquaculture**
- **Automotive**
- **Cement**
- **Chemical-Pharmaceutical**
- **Electronics**
- **Energy**
- **Food**
- **Glass Industry**
- **Iron and Steel**
- **Medical**
- **Mining**
- **Oil & Gas**
- **Plastics**
- **Pulp & Paper**
- **Shipyards**
- **Tanning Industry**
- **Textiles**
- **Wastewater Treatment**
- **Woods**



Discover more about our
Industries & Applications



OUR **PRODUCT RANGE**



Screw Blowers

- Robox Screw



Turbo Blowers

- Robox Turbo



Multistage Centrifugal Blowers

- Robox Multistage



Side Channel Blowers*

- Robox Side Channel
- * Only for wastewater treatment industry



Rotary Lobe Blowers

- RBS • RBS Steam • RBS/AV
- Robox Lobe • CRBS - GRBS
- Robox Aqua • Robox Direct
- Robox Bio&Gas • CRBIO - GRBIO
- RB-DV



Liquid Ring Pumps

- RVS • LRVS • CRVS • KRVS



Centrifugal Pumps

- Promix • Prochem



ROBOX
TURBO



ROBOX
MULTISTAGE



ROBOX
LOBE

ROTARY LOBE BLOWERS

EASY & COST EFFECTIVE SOLUTIONS

Pressure up to 1,000 mbar (g), vacuum down to 100 mbar (a), flow up to 25,000 m³/h

ROBOX
LOBE

Robox Lobe

Superior efficiency

Ease of installation

A wide range of models, sizes and configuration options available



Discover more about our
Lobe Blowers



ROBOX

AQUA

ROBOX

DIRECT

Robox Aqua and **Robox Direct** series are the new rotary lobe packages, specifically designed for space constraints and for enhanced efficiency. Robox Aqua has been specifically designed for the needs of the aquaculture industry.



ROBOX

BIO&GAS

Robox Bio&Gas and CRBIO – GRBIO

are blower packages, especially developed for the conveying and compression of biogas, as well as natural and landfill gases.

- Reliable
- Safe
- Resistant
- Full range of accessories
- ATEX certification
- Customised solutions for different biogas applications



**Evolving
Technologies**

ROTARY LOBE BLOWERS

CRBS – GRBS consist of table top blower packages with RBS series and fitted with all the necessary accessories.

- Robust
- Dry running
- Maintenance friendly
- Customised according to customer specifications



RBS Steam

- Heavy duty applications such as wastewater treatment, ozone and evaporation processes.
- Different configurations available with various sealing systems
- Excellent resistance to corrosion
- Maintenance friendly

High Vacuum Blowers

The RBS/AV PD blowers are rotary lobe blowers used for vacuum installation as booster in combination with primary vacuum pumps when operating at their lowest pressure limit.



Vacuum Blowers

RB-DV (air injection vacuum blower) are three-lobe rotary blowers suitable to operate as dry exhausters up to 90% of vacuum. It is possible to supply RB-DV as a complete vacuum package, Robox Lobe DV.

- Patented and unique air inlet design
- Low noise
- Cool operating temperatures (not overheating on a dead head)
- Low maintenance thanks to its robustness and heavy-duty operation

SCREW BLOWERS

ROBOX
SCREW

DURABLE & EFFICIENT SOLUTIONS

Pressure up to 1,000 mbar (g), flow up to 10,100 m³/h

High pressure version up to 2,500 mbar (g) and flow up to 10,100 m³/h

Robox Screw

- Outstanding efficiency
- Best-in-class footprint
- Accessible service and maintenance



Discover more about our
Screw Blowers



TURBO BLOWERS

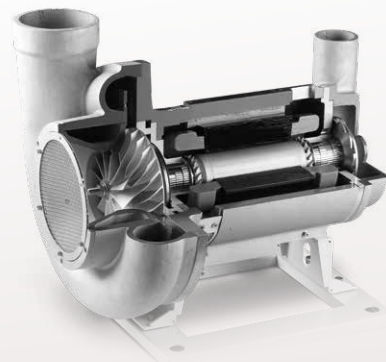
ROBOX
TURBO

CLASS BEATING PERFORMANCE

Pressure up to 1,500 mbar (g), flow up to 26,500 m³/h

Robox Turbo

- High efficiency for low lifecycle costs
- Compact design for easy installation
- Completely oil-free
- Plug & Play



Discover more about our
Turbo Blowers



**Evolving
Technologies**

MULTISTAGE CENTRIFUGAL BLOWERS

ROBOX 
MULTISTAGE

LONG LASTING

Pressure up to 1,800 mbar (g),
vacuum down to 477 mmHg, flow up to
70,000 m³/h

Robox Multistage

- Small, medium and large inlet sizes
- Unrivalled efficiency
- Minimum maintenance requirements



Discover more about our
Multistage Centrifugal
Blowers



SIDE CHANNEL BLOWERS*

ROBOX 
SIDE CHANNEL

BUILT TO LAST

Pressure up to 600 mbar (g), flow
up to 700 m³/h

Robox Side Channel

- Reduced footprint
- Maintenance-free operation
- Completely oil-free

* Only available for the wastewater treatment industry



Discover more about
our Side Channel
Blowers



LIQUID RING PUMPS

RVS 

ROBUST & HEAVY DUTY

Vacuum up to 33 mbar (a), Pressure up to 2,000 mbar (g) and max Flow up to 4200 m³/h.

RVS Liquid Ring Pumps

- Low water consumption
- Minimum noise level and vibrations
- Reliable operation
- Easy maintenance



Discover more
about our Liquid
Ring Pump



CENTRIFUGAL PUMPS

PROCHEM
PROMIX



EFFECTIVE & EFFICIENT FLUID HANDLING

Capacity up to 2,600 m³/h and head up to 140 m

Centrifugal Pumps

- **Prochem**, chemical process pumps
- **Promix**, centrifugal pumps for slurry
- Effective & efficient fluid handling
- Protected shaft for corrosion prevention
- Large inlet to reduce abrasive wear
- Back pull-out design to facilitate service


















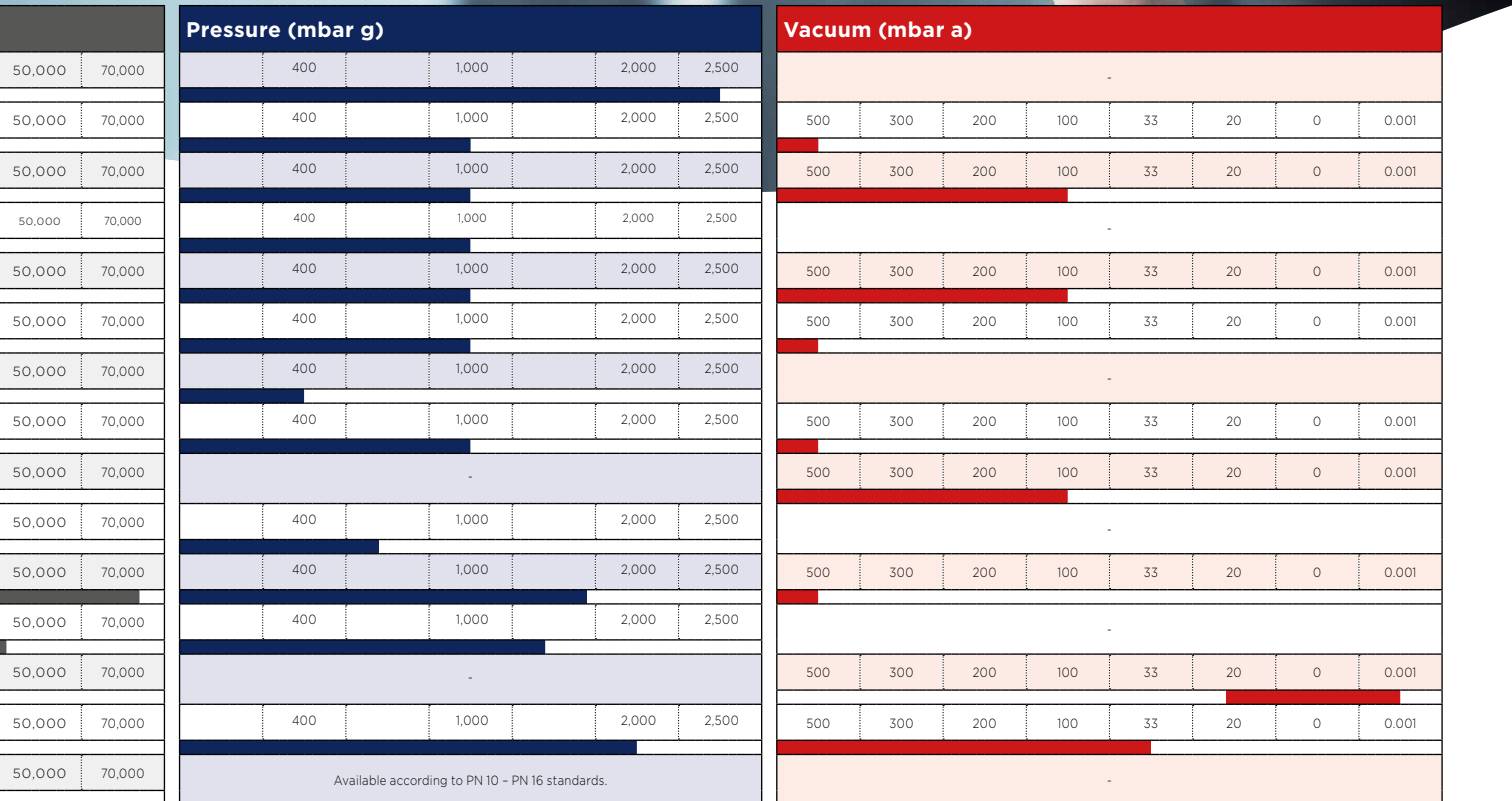
Discover more
about our
Centrifugal
Pump



Evolving
Technologies

PERFORMANCES

		Capacity (m³/h)													
Robox Screw		300	700	800	2,600	2,850	3,280	4,100	4,200	9,400	10,100	10,500	14,000	25,000	
RBS		300	700	800	2,600	2,850	3,280	4,100	4,200	9,400	10,100	10,500	14,000	25,000	
Robox Lobe		300	700	800	2,600	2,850	3,280	4,100	4,200	9,400	10,100	10,500	14,000	25,000	
Robox Aqua/Robox Direct		300	700	800	2,600	2,850	3,280	4,100	4,200	9,400	10,100	10,500	14,000	25,000	
CRBS – GRBS		300	700	800	2,600	2,850	3,280	4,100	4,200	9,400	10,100	10,500	14,000	25,000	
Robox Bio&Gas		300	700	800	2,600	2,850	3,280	4,100	4,200	9,400	10,100	10,500	14,000	25,000	
CRBIO – GRBIO		300	700	800	2,600	2,850	3,280	4,100	4,200	9,400	10,100	10,500	14,000	25,000	
RBS Steam		300	700	800	2,600	2,850	3,280	4,100	4,200	9,400	10,100	10,500	14,000	25,000	
RB-DV		300	700	800	2,600	2,850	3,280	4,100	4,200	9,400	10,100	10,500	14,000	25,000	
Robox Side Channel		300	700	800	2,600	2,850	3,280	4,100	4,200	9,400	10,100	10,500	14,000	25,000	
Robox Multistage		300	700	800	2,600	2,850	3,280	4,100	4,200	9,400	10,100	10,500	14,000	25,000	
Robox Turbo		300	700	800	2,600	2,850	3,280	4,100	4,200	9,400	10,100	10,500	14,000	25,000	
RBS/AV		300	700	800	2,600	2,850	3,280	4,100	4,200	9,400	10,100	10,500	14,000	25,000	
RVS – LRVS – CRVS – KRVS		300	700	800	2,600	2,850	3,280	4,100	4,200	9,400	10,100	10,500	14,000	25,000	
Promix – Prochem		300	700	800	2,600	2,850	3,280	4,100	4,200	9,400	10,100	10,500	14,000	25,000	



Vacuum (mbar a)							
-							
500	300	200	100	33	20	0	0.001
500	300	200	100	33	20	0	0.001
-							
500	300	200	100	33	20	0	0.001
500	300	200	100	33	20	0	0.001
-							
500	300	200	100	33	20	0	0.001
500	300	200	100	33	20	0	0.001
-							
500	300	200	100	33	20	0	0.001
-							
500	300	200	100	33	20	0	0.001
-							
500	300	200	100	33	20	0	0.001
500	300	200	100	33	20	0	0.001
-							



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