



Marketing Presentation

# QUBE Range

 **Gentilin**<sup>®</sup>  
OIL-FREE. THE NEW NORMAL.



# Product category

**01.**

---

## **PORTABLE AIR**

Craftmens (Plumbers, installers, renovators, restorers, maintainers, sub-contractors, road operators, farmers).

**02.**

---

## **PROCESS AIR**

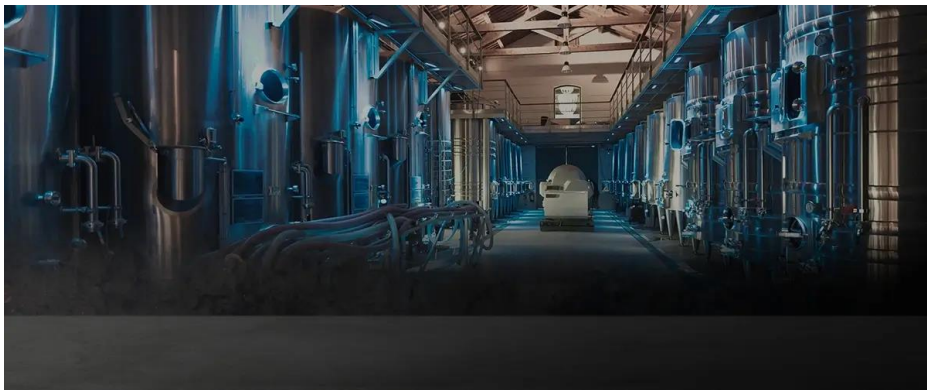
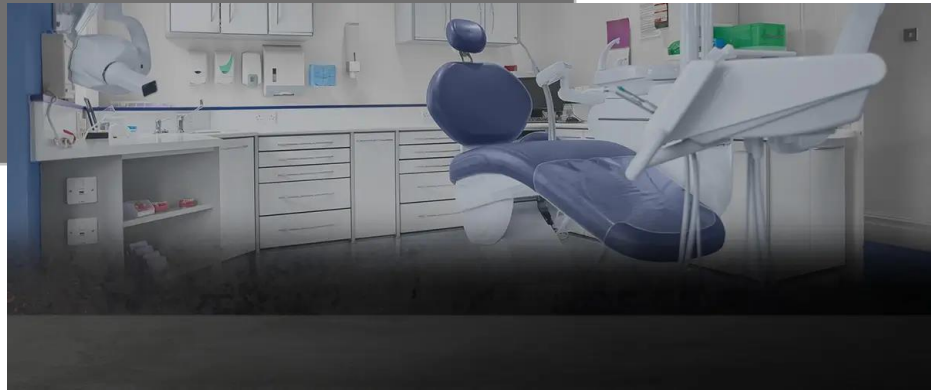
Wineries, Food laboratories, Dairy, Pastry laboratories, Bakehouses, Food industry, Milking rooms, Scientific laboratories, Medical laboratories, Dental practices, Veterinary

**03.**

---

## **OEM AND CUSTOMIZATIONS**

Compressors manufacturer, Compressed-air-driven machinery manufacturers, Private label companies.



# Process Air

## PISTON COMPRESSORS

- › SMART range
- › CLINIC range
- › HUSH range
- › QUBE range

---

## SCROLL COMPRESSORS

- › Basic range
- › Advanced range

---

## SCREW COMPRESSORS

- › HYDRO SD range

# QUBE – The Concept

GENTILIN's QUBE range has been designed and developed to meet the needs of highly professional applications, where lubricated screw compressors (with the problem of oil contamination) or SCROLL compressors (characterized by very high purchase and maintenance costs) are usually used. The cornerstones of the QUBE range are the following:

- › Oil-free Class 0 clean air
- › 24/7 continuous operation
- › Life cycle of 10,000 hours
- › Absence of maintenance
- › Quietness

**These results have been achieved thanks to the combined use of different technologies:**

- › Patented AXXER oil-free mechanical technology
- › Machining and materials of aero-space derivation
- › Electric motors in S1
- › Ventilation system with high efficiency
- › Hi-end soundproofing materials and solutions

**Thanks to the use of these technologies combined, QUBE range products guarantee our customers/users:**

- › An air flow that is free from contaminating oils (oil-free class 0) and with a degree of air purity up to ISO 0-2-0
- › Operating cost reduced to a -70% compared to comparable products with SCROLL technology
- › Life cycle that is up to 3 times longer than traditional long-life compressors with PISTON technology
- › Optimal operation in all conditions, even the most adverse (hot environments, cold environments, acidic/corrosive environments), for continuous work H24 non-stop

# QUBE - Features

<b>Power</b>	2,2 and 4,0 Kw
<b>Tanks</b>	From 20 to 270 L
<b>Air purity standard</b>	Oil-free Class 0 (ISO 13285)
<b>Duty cycle</b>	100% ON – Continuous duty
<b>Max pressure</b>	10 bar (14 bar on request)
<b>FAD</b>	Up to 660 lt/min.
<b>Maintenance overhaul*</b>	10.000 hrs
<b>Tank treatments</b>	Epoxy anti-rust treatment (internal/external)
<b>Noise level</b>	Ultra-Quiet (52-58 dB)

\*Referred to a continuous duty at 8 bar pressure

# QUBE – The Range



## QUBE 300

- › 2,2 kW
- › 40 L
- › 330 L/min



## QUBE 300/270

- › 2,2 kW
- › 270 L
- › 330 L/min



## QUBE 550

- › 4,0 kW
- › 20 L
- › 660 L/min



## QUBE 550/270

- › 4,0 kW
- › 270 L
- › 660 L/min

# QUBE 300

2,2 kW - 330 L/min.



TYPE	MODEL	ISO 12385
Standard	QUBE 300* QUBE 300/270	X-X-0
With membrane dryer DewPoint -40°C	QUBE DRY 300 H* QUBE DRY 300/270 H	3-2-0
With membrane dryer and sterile filter DewPoint -40°C / Mol. Sieve 0,01 micron	QUBE DRY 300 HS* QUBE DRY 300/270 HS	0-2-0
With refrigerated dryer DewPoint + 3°C	QUBE DRY 300/270 R**	X-5-0

\*All models of the QUBE 300 series are equipped with a 40 lt internal tank. Thanks to that, they can be installed as fully functional/autonomous units without additional storage tanks, or depending on the need, they can be combined with line tanks up to 500 lt.

# QUBE 550

4,0 kW - 660 L/min.



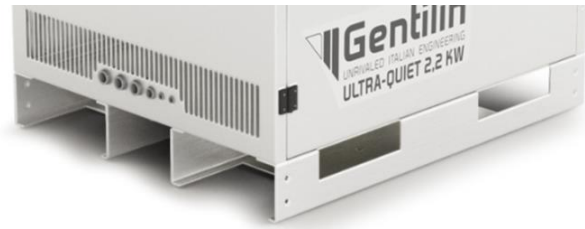
TYPE	MODEL	ISO 12385
Standard	QUBE 550* QUBE 550/270**	X-X-0
With membrane dryer DewPoint -40°C	QUBE DRY 550 H* QUBE DRY 550/270 H**	3-2-0
With membrane dryer and sterile filter DewPoint -40°C / Mol. Sieve 0,01 micron	QUBE DRY 550 HS* QUBED RY 550/270 HS**	0-2-0
With refrigerated dryer DewPoint + 3°C	QUBE DRY 550/270 R**	X-5-0

\*All models of the QUBE 550 series are equipped with a 20 lt internal tank. Thanks to that, they can be installed as fully functional/autonomous units without additional storage tanks, or depending on the need, they can be combined with line tanks up to 500 lt.

\*\*270 lt. included



# QUBE - Features



## OUTLETS

- › Air outlets
- › Condensate drain

## EASY HANDLING

- › Lanes for easy handling with tres-pallets and forklifts



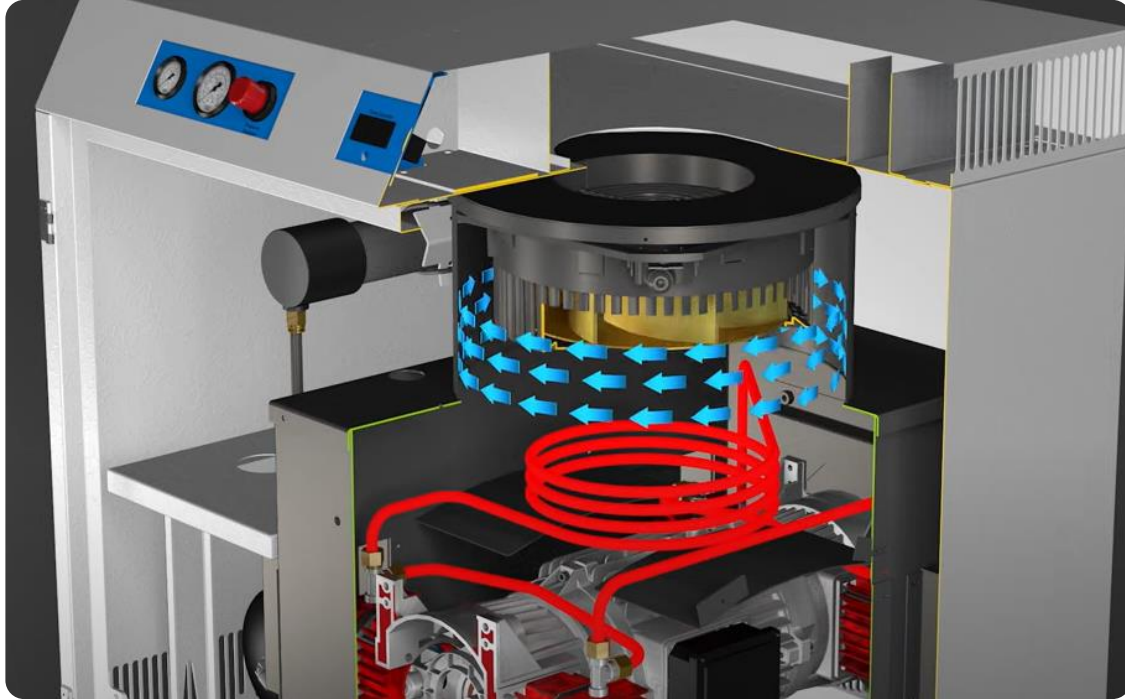
## CONTROL PANEL

- › Pressure regulator
- › Pressure gauges for pressure control
- › On/off switch
- › Hour meter
- › Safety switch off button

## EASY ORDINARY CHECKS

- › Doors open from both sides for easy ordinary inspections

# QUBE - Features



## NOISE ABATEMENT

- › A labyrinth system creates a barrier against noise propagation, reducing the air intake noise to a minimum
- › High-density sound-absorbing panels are applied to all the internal surfaces, reducing both high and low frequencies ensuring an acoustic abatement without equal

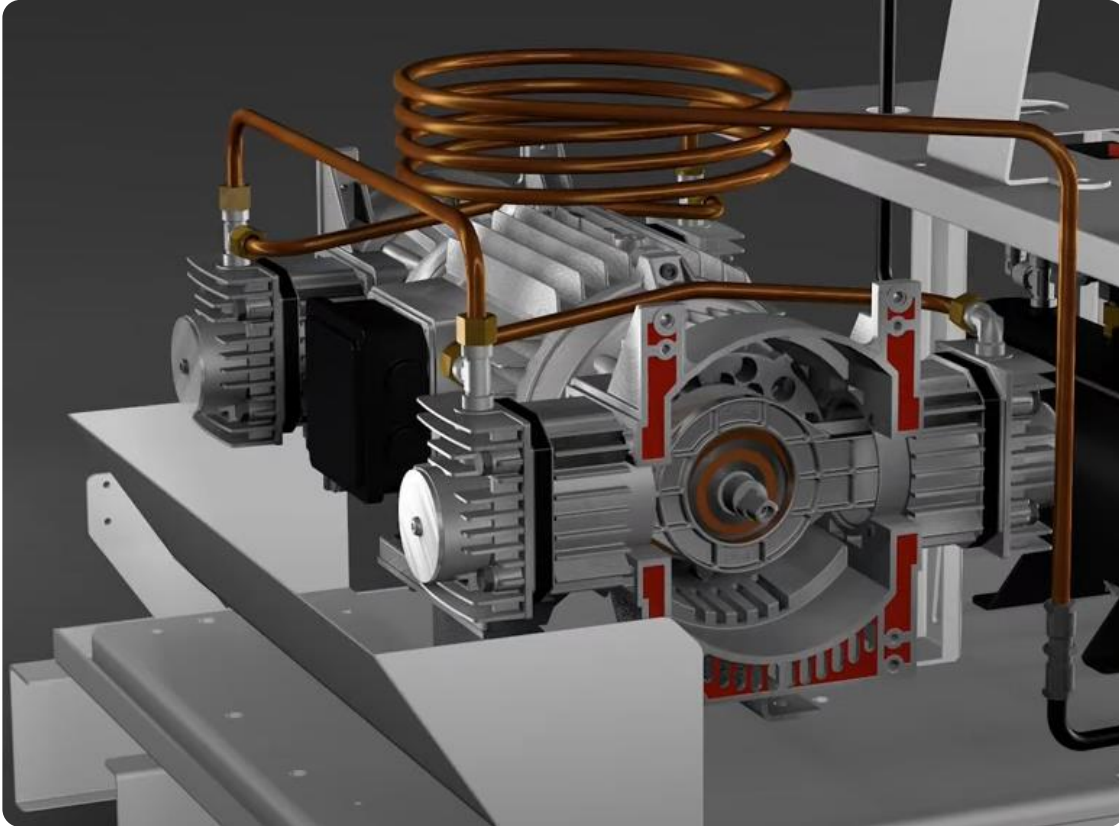
## OPTIMUM VENTILATION

High-flow forced ventilation cools the compressor module keeping the working temperature well below critical point. This system guarantees a higher compressor efficiency and an extended life cycle

## HEAT EXCHANGER

The heat exchanger reduces the temperature of the air blown out of the compressor, ensuring a properly cooled air flow (+10 °C from the ambient temperature)

# QUBE - Features



## SI ELECTRIC MOTOR CLASS

- › 1400 rpm
- › Continuous duty
- › Low operating temperatures

## LONG LIFE AXER MECHANICS

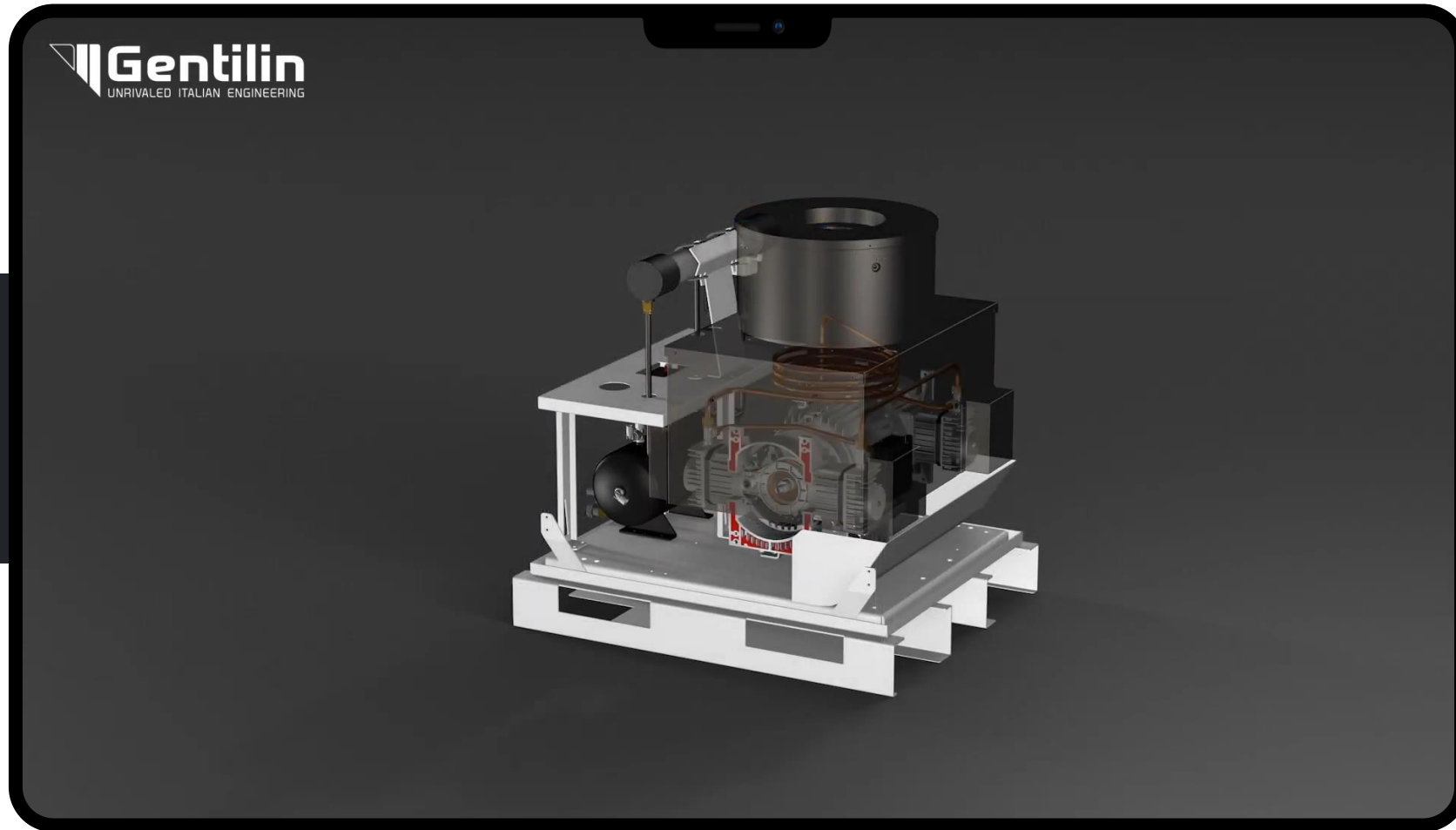
- › Continuous duty 24/7 non-stop
- › 10.000 hours without maintenance
- › Up to 660 lt/min air flow
- › Up to 10 bar operation

## EASY MAINTENANCE

- › Change of seals and bands H 00:30
- › Replacement of whole pump H 01:00

# QUBE - Features

Click on the image below and watch the QUBE commercial video



# QUBE – Dryer match

Compressor model	Dryer
QUBE 300	RT-DRY 400
QUBE 550	RT-DRY 900



# QUBE - Applications

- › Food laboratories
- › Biogas production (Nitrogen, etc.)
- › Wine cellars
- › Brewing
- › Milking rooms
- › Industrial painting
- › Transport (Train/Bus/Metropolitane)
- › Artificial snow making systems
- › Photovoltaic systems
- › Printing
- › Packing
- › CAD/CAM
- › Wherever a SCROLL compressor is normally used



# QUBE – Advantages For The End Users



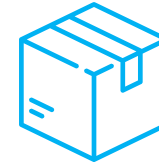
## Ensuring a healthy workplace

The oil-free Class 0 operation prevent problems related to waste oil dispersion, nebulization and disposal, making QUBE a green product and ensuring a healthier and cleaner workplace.



## Avoid production stops and consequent delays in deliveries

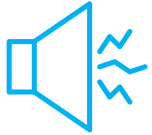
Choose the reliability of a MADE IN ITALY product conceived and developed to guarantee industrial working cycles, with no needs of thermal cooling stops and maximum reliability during operation. Using products developed for industrial grade use allows a regular and uninterrupted conduct of production programs and optimal performance of planned activities.



## Avoid contamination and deterioration of treated products

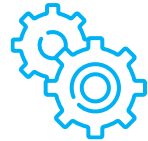
Contamination and deterioration of treated products, especially in the food and beverage and medical sectors, represent critical operational issues and important costs. Using QUBE oil-free Class 0 compressors, with their advanced air treatment solutions such as dryers and sterilization filters, provides compressed air free of contaminants and guarantees maximum quality on the finished product by eliminating the danger of contamination.

# QUBE – Advantages For The End Users



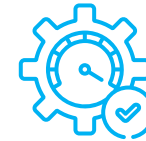
## Keep noise emissions within a safety and sustainable range

The products of the QUBE range are designed to ensure acoustic comfort in professional applications and sectors, where compressors must be placed in noise sensitive environments. Thanks to the advanced noise abatement technologies used, QUBE compressors reduce the noise emissions to a very minimum.



## Minimize rework and waste

The use of products with oil-free technology, such as QUBE compressors, eliminates the problems of contamination, avoiding costly rework and waste.



## Optimize the operating costs of your equipment

QUBE compressors are equipped with AXXER long-life piston pumps. This outstanding unique technology guarantees minimized maintenance costs (-70% compared with SCROLL compressors), thus reducing overall operating costs and life-cycle cost of the compressor to a very minimum.



# QUBE 300 Vs SCROLL 2,2

2,2 kW



	QUBE 550	SCROLL 3,7 kW
<u>Air outlet @ 5 bar</u>	215 L/min.	230 L/min.
<u>Air outlet @ 8 bar</u>	190 L/min.	230 L/min.
<u>Max bar</u>	10	10
<u>dB</u>	52 dB	67 dB
<u>Tank</u>	40 lt	-
<u>Duty Cycle</u>	100%	100%
<u>Maintenance overhaul</u>	10.000 hr	10.000 hr
<u>Price to dealer</u>	3.000 €	3.700/4.500 €
<u>Maintenance cost*</u>	650 €	2.000/2.500 €

\*Referred to the replacement of the entire pumping unit once the 10.000-hour cycle has been reached

# QUBE 300/270 Vs SCROLL 2,2-270

2,2 kW



	QUBE 550-270	SCROLL 3,7 kW 270 Lt
<u>Air outlet @ 5 bar</u>	215 L/min.	230 L/min.
<u>Air outlet @ 8 bar</u>	190 L/min.	230 L/min.
<u>Max bar</u>	10	10
<u>dB</u>	52 dB	67 dB
<u>Tank</u>	280 lt	280 lt
<u>Duty Cycle</u>	100%	100%
<u>Maintenance overhaul</u>	10.000 hr	10.000 hr
<u>Price to dealer</u>	3.500/3.700 €	3.900/5.000 €
<u>Maintenance cost*</u>	650 €	2.000/2.500 €

\*Referred to the replacement of the entire pumping unit once the 10.000-hour cycle has been reached

# QUBE 550 Vs SCROLL 3,7

3,7 - 4,0 kW



	QUBE 550	SCROLL 3,7 kW
<u>Air outlet @ 5 bar</u>	440 L/min.	400 L/min.
<u>Air outlet @ 8 bar</u>	380 L/min.	400 L/min.
<u>Max bar</u>	10	10
<u>dB</u>	58	68
<u>Tank</u>	20 lt	-
<u>Duty Cycle</u>	100%	100%
<u>Maintenance overhaul</u>	10.000 hr	10.000 hr
<u>Price to dealer</u>	3.800 €	4.500/5.500 €
<u>Maintenance cost*</u>	1.300 €	2.500/3.000 €

\*Referred to the replacement of the entire pumping unit once the 10.000-hour cycle has been reached

# QUBE 550/270 Vs SCROLL 3,7-270

3,7 - 4,0 kW



	QUBE 550-270	SCROLL 3,7 kW 270 Lt
<u>Air outlet @ 5 bar</u>	430 L/min.	400 L/min.
<u>Air outlet @ 8 bar</u>	380 L/min.	400 L/min.
<u>Max bar</u>	10	10
<u>dB</u>	58	68
<u>Tank</u>	270	270
<u>Duty Cycle</u>	100%	100%
<u>Maintenance overhaul</u>	10.000 hr	10.000 hr
<u>Price to dealer</u>	4.400 €	4.800/6.100 €
<u>Maintenance cost*</u>	1.300 €	2.500/3.000 €

\*Referred to the replacement of the entire pumping unit once the 10.000-hour cycle has been reached

# QUBE – Sales Channels



Dealers specialized in compressed air solutions



Dealers of medical equipment



Food & beverage processing equipment and machinery retailers



Industrial equipment and machinery retailers



# QUBE - Deliveries

Mod.	Delivery time
<p>QUBE 300 QUBE DRY 300 H QUBE DRY 300 HS</p> <p>QUBE 300/270 QUBE DRY 300/270 H QUBE DRY 300/270 HS QUBED RY 300/270 R</p> <p>QUBE 550 QUBE DRY 550 H QUBE DRY 550 HS</p> <p>QUBE 550/270 QUBE DRY 550/270 H QUBE DRY 550/270 HS QUBED RY 550/270 R</p>	<p>4 weeks</p>