



SPR

2-30 kW

Scroll Oil-free  
air compressors



EFFICIENT, SILENT & COMPACT

CLASS O OIL FREE



*Bolaite*

Better Life Together

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# SPR 2-30 Scroll oil-free compressors

## High efficiency scroll element

- Equipped with Atlas Copco's air-cooled scroll compressor element offering proven durability and reliability in operation.

## IP55 Class F/IE3 motor

- Totally enclosed air-cooled IP55 Class F motor, complying with Ie3 & Nema Premium efficiency standards.

## Silent canopy

- A sound insulated canopy makes extremely low noise levels as low as 53 dB(A) possible, allowing to install the unit closer to the point of use.

## Smart design

- Outstanding user-friendly design, with safety in operation & ease of serviceability in mind.

## Time proven technology

- Atlas Copco is the first compressor manufacturer to receive Class 0 certification. Over the past 60 years Atlas Copco has pioneered the development of oil-free air technology.



- 1 Cooling fan
- 2 Suction chamber
- 3 Suction opening
- 4 Delivery opening

## Eliminating any risk

- Passed the renowned TÜV most rigorous testing methodologies.
- High efficiency paper cartridge air inlet filter eliminating dust and particles down to 1µm.
- An oversized cooler improves the performance of the unit.



## ADVANCED SCROLL TECHNOLOGY

- Air compression is achieved by the interaction of a fixed and orbiting scroll. Air at inlet pressure enters the compression chamber at the exterior side of the scroll element. Once air is drawn in, the orbiting scroll seals off the inlet port. As the scroll continues to orbit, the air is progressively compressed into an increasingly smaller 'pocket'. A continuous flow of compressed air leaves the scroll element through a discharge port in the center of the fixed scroll. This process is continuously repeated, resulting in the delivery of pulse-free compressed air.



- 5 Fixed scroll
- 6 Orbiting scroll
- 7 Fail-safe temperature sensor
- 8 Compression chamber

## Control and monitor

- The new generation operating system offers a wide variety of control and monitoring features that allow you to increase your compressor's efficiency and reliability.

## Smart controller SPR10-30

- To maximize energy efficiency, the SPR controller controls the main drive motor and regulates system pressure within a predefined and narrow pressure band.
- Software upgrade available to control up to 6 compressors by installing the optional integrated compressor controller.
- Indication Serviceplan, remote control and connectivity functions.



## Variable flow technology

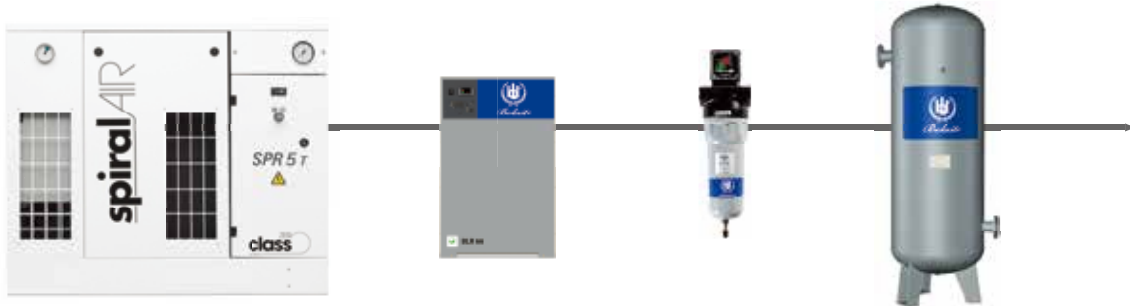
- All SPR10-30 multi-scroll compressors are equipped with the unique VFT control system. The VFT system, included in the Smart controller, automatically starts and stops the scroll elements to exactly match the demands of your compressed air system. The smart control algorithm ensures that the system pressure is kept within a very narrow pressure band.

## SPR 2-30 Technical parameters

Model	FAD		Working pressure		Motor power		Noise	Weight
	m3/h	cfm	bar	psi	kW	HP	dB(A)	kg
SPR-2	10.4	6.1	8	116	1.5	2	53	120
	6.8	4.0	10	145				
SPR-3	15.1	8.9	8	116	2.2	3	55	125
	12.2	7.2	10	145				
SPR-5	24.1	14.2	8	116	3.7	5	57	133
	21.2	12.5	10	145				
SPR-8	35.3	20.8	8	116	5.5	7.5	59	157
	27.4	16.1	10	145				
SPR-10	48.0	28.4	8	116	2× 3.7	2×5	63	485
	40.8	24.2	10	145				
SPR-15	73.2	43.0	8	116	2× 5.5	2× 7.5	63	515
	54.0	31.8	10	145				
SPR-20	95.0	55.9	8	116	4× 3.7	4×5	63	580
	82.8	48.7	10	145				
SPR-22	111.6	65.7	8	116	3× 5.5	3× 7.5	64	595
	85.2	50.2	10	145				
SPR-30	147.0	86.5	8	116	4× 5.5	4× 7.5	65	680
	108.0	63.6	10	145				



## Typical system configuration for high level air purity



SPR

Refrigerated dryer

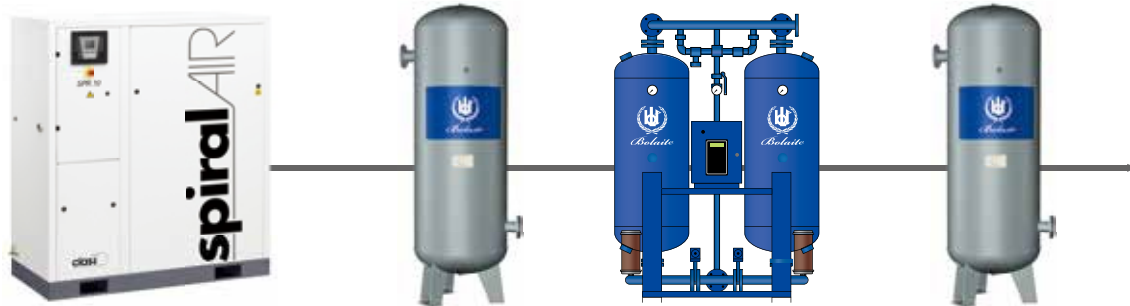
Line filter

Air tank



SPR

Line filter



SPR

Air tank

Desiccant dryer

Air tank



Hotline  
400-669-8060





## Care. Trust. Efficiency.

### Care.

Care is the base of our services: we offer professional after-sale personnel and high-quality OEM parts.

### Trust.

Trust comes from our credible commitments: our products have ever-improving performance and long lifecycle.

### Efficiency.

Regular maintenance ensures the efficient operation of our compressors: service efficiency makes a difference in terms of OEM spare parts and service quality.

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