



SCR XA Oil Free Scroll

Scroll Compressor

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The SCR Oil Free Scroll series uses the latest in advanced oil free technology. Featuring the world famous Iwata scroll airend, the SCR-XA range delivers premium 100% oil free compressed air to suit any application requiring the purest of air. Commonly used in medical, pharmaceutical, laboratories, nitrogen generation, food and beverage sectors.



Features:

- 14 - 127 CFM
- 8 to 10 bar pressure range
- Belt drive
- Ultra quiet operation
- 100% oil free compressed air
- High efficiency IWATA airend
- Multiple safety protection
- Energy saving touch screen PLC for multiple airends
- Stainless steel piping
- Oversized cooler
- ISO Class 0 cert
- CE Certified



Advantages

Extreme low noise & vibration

This is a key component of the SCR oil free range.

Backup function

Full backup function installed in the intelligent touch screen micro controller to prevent loss of air (Multi scroll packages only)

Energy efficient

The scroll produces the necessary amount of air with minimum energy usage.

Low maintenance

With long service intervals, no oil and minimal moving parts, reliability and low cost maintenance are ensured.

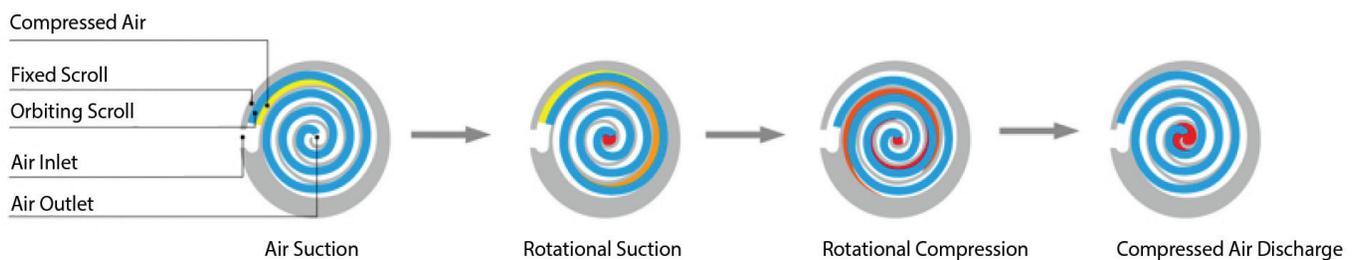
Environmentally friendly

The SCR Oil free scroll series uses no oil for lubrication therefore there is no discharge or need for oil disposal.

WORKING PRINCIPLE

The airend has one orbiting scroll and one fixed scroll. The orbiting scroll is coupled to the crankshaft in orbit rather than rotated. The orbiting motion creates a series of air pockets traveling between the two scroll plates.

On the outer portion of the scroll, the pocket draws in the air then moves it to the centre of the scroll, where it's discharged. As the air moves in the increasing smaller inner pocket, the pressure increases to the desired discharged pressure.



IWATA Airend



Iwata was the first in the world to develop air-cooled, oil less scroll airends. Now SCR have taken their patented scroll technology and incorporated it into the SCR XA oil free scroll series. The Iwata scroll is the best-selling oil less airend in the world due to its quiet, smooth operation, longevity and reliability

Scroll Touch Screen Controller

- 7 inch colour screen with button and touch panel
- Energy saving control for multiple airends
- Operation screen readings for Pressure/Temperature/power/Frequency/Run hours/compressor status
- Service intervals/ alarm
- Date and Time
- Day time scheduling on/off and pressure (4 different times/pressure allowed per day)
- Stop start remote
- Master slave operation (Maximum of 16 compressors)Day time scheduling on/off and pressure
- Fault History
- Monitoring alarms
- Supports MODBUS RTU protocol
- Power outage start-up



Technical Specification

MODEL	KW	HP	M3/MIN	CFM	BAR	PUMP QTY	AIR OUT-LET SIZE	DIMENSIONS (mm)	WEIGHT (KG)	Noise Level (dBa)
SCR5XA-8	3.7	5	0.4	14	8	1	Rc 3/4	1100 x 650 x 980	230	58
SCR5XA-10			0.3	11	10					
SCR10XA-8	7.5	10	0.8	28	8	2	Rc 1	1200 x 650 x 1600	320	62
SCR10XA-10			0.7	25	10					
SCR15XA-8	11	15	1.2	42	8	3	Rc 1	1350 x 1200 x 800	450	65
SCR15XA-10			1.0	35	10					
SCR20XA-8	15	20	1.6	56	8	4	Rc 1	800 x 1200 x 1800	650	68
SCR20XA-10			1.4	49	10					
SCR30XA-8	22	30	2.6	92	8	6	Rc 1	1200 x 1400 x 1500	900	70
SCR30XA-10			2.1	74	10					
SCR40XA-8	30	40	3.5	127	8	8	Rc 1	1200 x 1400 x 1800	1300	72
SCR40XA-10			2.8	99	10					

