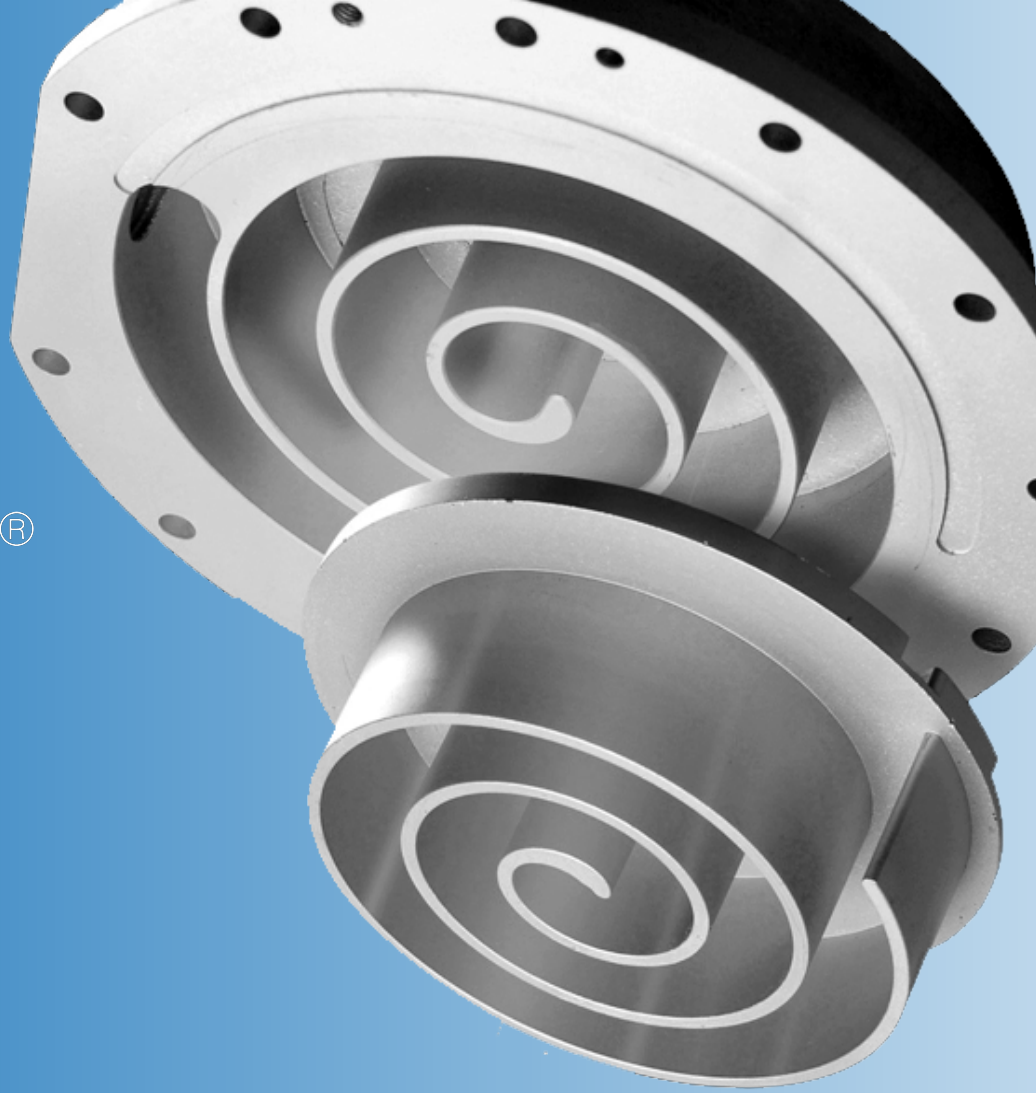


SCR AIR LIMITED



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SCR XA Oil Free Scroll

Scroll Compressor

SCR XA Oil Free Scroll Compressor

The SCR Oil Free Scroll series uses the latest in advanced oil free technology. Featuring the world famous Iwata scroll airoend, 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 airoend
- Multiple safety protection
- Energy saving touch screen PLC for multiple airoends
- 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.

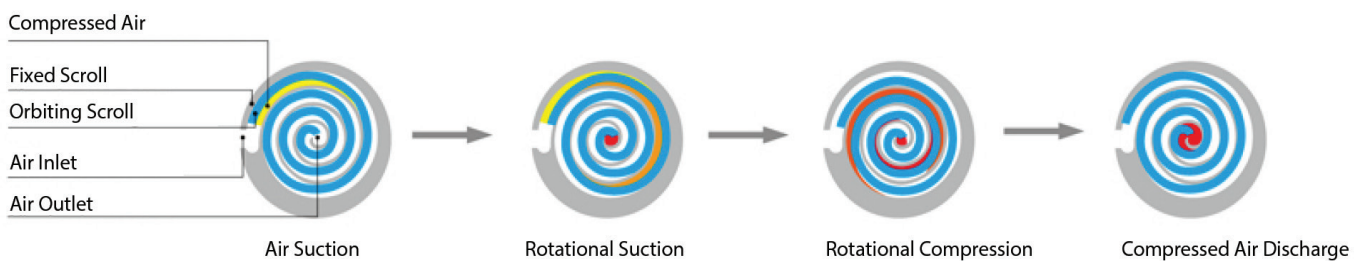
Environmentally friendly

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.



Anest Iwata Partnership



Japanese compressor company Anest Iwata were the first company in the world to develop an air cooled, oil free scroll airend. SCR have taken their patented scroll technology and incorporated it into the XA oil free scroll series. The Iwata scroll is the best selling oil free scroll airend in the world due to its quiet smooth operation, longevity and reliability.

SCR9000 Touchscreen Controller

- Fully functional 7 inch touchscreen controller
- Energy Saving control for multiple airends
- Live compressor status for pressure, temperature, kWh and warnings
- On board compressor scheduling with up to 4 operational pressures and times
- Remote start and stop function
- Master Slave operation controller up to a maximum of 16 compressors
- Auto restart on power outage
- Volt free programmable relay for DCS feedback
- Supports Modbus RTU protocol



Technical Specification

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

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