SR
Gas Purification Solutions

oil vapour removal purifier

OVR

flow capacity: 315 - 2550 Nm^3/hr

No matter what application it is, we have a reliable solution for you

We are dedicated to the application of gas filtration and drying technologies, constantly providing customers with technical solutions that meet on-site requirements.

Reliable, energy-saving and environmentally friendly

Providing a full range of excellent products and solutions around industrial and medical application technologies reflects our industry capabilities and professional level.

Clean and dry compressed air

Clean, dry, pollution-free compressed air is crucial for safe, efficient and energy-saving equipment operation. Pollutants in compressed air can cause equipment operation failures, damage, and even endanger human life and health.

Decades of application experience have taught us that efficient filtration and drying of compressed air is a fundamental measure to save costs and ensure safety.

Improve the energy efficiency of compressed air

Compressed air consumes a large amount of money. In the filtration, drying and transportation stages, excessive consumption means more costs will be added.
Using appropriate filtration and drying methods and using efficient and energy-saving air compressor post-processing products can optimize system functions and minimize energy consumption.

oil vapour removal purifier

OVR series oil vapour removal purifier is designed to reduce oil vapor and odors in compressed air systems. Under the conditions of 35°C and an inlet pressure of 7 bar, the oil content of the outlet compressed air is less than 0.003 mg/m.

OVR can provide compressed air that meets the requirements of ISO8573-1 (Class 1 oil content) when installing water separator, coalescing filters and dryers in the front stage.
Designed with high-quality extruded aluminum, the activated carbon has a service life of more than 12 months. The unique design ensures efficient and economical operation with small differential pressure loss.

The OVR series uses high-efficiency adsorption activated carbon, with integrated gas diffusers and 1 micron dust filter inside.

Benefits - odour free

air quality guarantee

- When the air inlet conditions are met, the oil content of the filtered compressed air meets ISO 8573-1 Class 1 standards
- It can be installed in the air compressor station room, or at the point of use to protect critical applications and personnel, or for breathing applications

modular construction

- Compared to traditional activated carbon towers, it is more compact and lighter in weight
- More convenient installation

simple maintenance

- It is more convenient and faster to replace the spare activated carbon
- Built-in outlet filter ensures the air quality downstream
- Activated carbon is filled with a "snow storm" method to ensure performance, while being more efficient than traditional methods and less likely to be powdered and blocked.

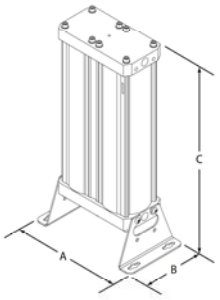
sizing & specifications

model	service kit		inlet & outlet	rated flow		dimensions (mm)			weight
	part no.	qty	G	scfm	Nm^3/h	A	B	C	kg
OVR 0185	OVR SK 185	1	1″	185	315	438	250	625	40
OVR 0370	OVR SK 370	1	1″	370	630	438	250	825	50
OVR 0750	OVR SK 370	2	2″	750	1275	400	575	895	100
OVR 1100	OVR SK 370	3	2″	1100	1870	400	741	895	140
OVR 1500	OVR SK 370	4	2 ½″	1500	2550	400	907	895	180

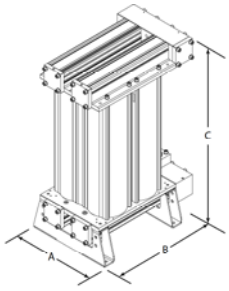
specifications	
maximum working pressure	16 barg
recommended operating temperature range	2 to 35°C
maximum operation temperature	50°C
estimated cartridge life	12000 hrs (3)

inlet air quality requirements	
maximum particulate size	0.01 micron
maximum pressure dew point	-40°C pdp
maximum oil content	0.05 mg/m³

performance	
maximum outlet air oil content (@ 35°C)	0.003 mg/m³ (ppm)



OVR 0185 to 0370



OVR 0750 to 1500

pressure correction factors(5)

inlet air pressure (barg)	1	2	3	4	5	6	7 - 16
correction factor	0.25	0.37	0.05	0.62	0.75	0.87	1.00

temperature & dew point correction factors(5)

inlet air temperature (°C)	<35	40	45	50	inlet dew point (°C)	>+3	<+3
correction factors	1.00	0.98	0.96	0.95	correction factors	0.25	1.00

(1) at inlet conditions of 7 barg and 35°C, and 35°C ambient temperature. For all other operating conditions please contact us by sending an email to sales@gas-psi.com.
(2) includes purification cartridges (including integral inlet diffusers and outlet particulate filters) and all o-rings.
(3) provided as an estimate only. Cartridges must be replaced as required to maintain adequate air quality in accordance with all applicable codes and regulations.
(4) if the air doesn't meet these conditions, contact us to confirm the additional treatment required.
(5) to be used as an approximate guide only, all applications should be confirm by us first.

SR Gas Purification Solutions

SR Filtration Technology(Dalian) Co.,Ltd.
Sendfin Technologies(Dalian) Co.,Ltd.

Room 804, Yuetaiwanli No.1 Building, No.454 Gaoerji Road,
Shahekou District, Dalian, Liaoning, China
Tel：0411-84508899 E-mail:sales@gas-psi.com
Web:www.gas-psi.com