

Oxisorb® gas purification systems are designed for the removal of oxygen and moisture from gas flows.

The applied processes are **chemisorptions** and **physisorption**:

**Chemisorptions:** Oxygen is chemically bound to the absorption material and therefore permanently removed from the gas flow. Silica gel with chromium oxide is used as absorption material. As a side effect, moisture is removed by physisorption.

**Physisorption:** Moisture is being physically bound to Silica gel and therefore removed from the gas flow.

Oxisorb®	
Applicable for	rare gases, N <sub>2</sub> , H <sub>2</sub> , CO, CO <sub>2</sub> , saturated HC
Not applicable for	O <sub>2</sub> , compressed air, non-saturated HC
Removed contaminants	oxygen, moisture
Process	O <sub>2</sub> : chemisorptions H <sub>2</sub> O: physisorption
Final purity	O <sub>2</sub> < 5ppb H <sub>2</sub> O < 30 ppb

	Oxisorb®		Large cartr. Aluminium
	Small cartridge Aluminium	Glass	
Capacity	O <sub>2</sub> : 0,1 Ltr H <sub>2</sub> O: 0,5 Ltr		O <sub>2</sub> : 9 ltr H <sub>2</sub> O: 45 Ltr
Optical indication	no	blue - brown	no
Max. gas flow	1 m <sup>3</sup> /h		10 m <sup>3</sup> /h
Max. working pressure	10 bar <sup>1)</sup>		
Length	125 mm	130 mm	1.170 mm
Diameter	29 mm	30 mm	71 mm
Material	Aluminium	Glass <sup>2)</sup>	Aluminium
Remarks	-	-	Complete with 2 diaphragm type valves connections: NPTF ¼"
Delivery	2-pack		single
Part no.	123325	123342	123311



<sup>1)</sup> Small cartridges can be applied with high pressure housing PN200 for working pressure up to 200 bar.

<sup>2)</sup> Attention: Glass cartridges must be applied with a „splinter protection“ only!

For removal of moisture:

see Hydrosorb®

For removal of HC and oil vapour:

see Accosorb®

For removal of mercaptan, COS, SC, H<sub>2</sub>S, SO<sub>2</sub>, und NO:

see Sulfosorb®

For removal of Fluoride

see Excisorb®-F

For holders, purge systems and accessories:

see Spectromol accessories