

# Hydrosorb® Gas Purification Systems **spectromol**

Hydrosorb® gas purification systems are designed for the removal of moisture from gas flows.

The applied process is based on **physisorption**:

**Physisorption:** moisture (and carbon dioxide) are physically bound to a porous mass and therefore permanently removed from the gas flow. Molecular sieve 5A is used as absorption material.

Hydrosorb®	
Applicable for	Rare gases, N <sub>2</sub> , H <sub>2</sub> , CO, CO <sub>2</sub> , saturated HC halogenated HC, N <sub>2</sub> O, O <sub>2</sub> and compressed air
Removed contaminants	Moisture (and carbon dioxide)
Process	physisorption
Final purity	Moisture < 20 ppb

Hydrosorb®		
	Small cartridge	Large cartridge
Shield gas	Helium	Argon
Capacity	moisture 1 Ltr	Moisture 100 Ltr
Optical indication	no	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	1.170 mm
Diameter	29 mm	71 mm
Material	Aluminium	Aluminium
Remarks	-	Complete with 2 diaphragm type valves Connections: NPTF ¼"
Delivery	2-pack	single
Part no.	123326	123348



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

For removal of oxygen and moisture:

see Oxisorb®

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