



ANKERSMID Wash Bottle / Humidifier

AWB 001, AWB 010, AWB 020

Application

The Ankersmid Humidifier and wash bottles controls the humidity of the gas sample stream. The Humidifier is used to wet calibration gases to ensure these gases undergo an identical cycle through the conditioning set-up. In this set-up, the calibration gases enter the cooler saturated at a stable dew point. Calibration gases with water-soluble components must not be passed through the humidifier.

Wash bottles can wash out sample gases. A second application is its role in maintaining a constant pressure upstream of the analyzer by establishing a constant differential pressure with respect to the atmosphere by using the second inlet.

Description

The Ankersmid Humidifier AWB 001 consists of a standard filter component. The glass body has a volume of 70ml.

The gas passes a bubbler that boosts the humidifying result. The humidifier's glass body enables the control of the liquid level without dismantling the body.

In the wash bottle AWB 010 and AWB 020 the gas passes a bubbler which creates a very intensive washing effect in any liquid absorbent.

The Ankersmid wash bottle AWB 020 has additional GL25-connections at bottom and side.

No tools are required for refilling. An o-ring guarantees tightness between the head and the glass body.

Over-pressure at the outlet or under-pressure at the inlet must be avoided, to avoid liquid flow into the gas inlet.



* Pictures may vary

- **Easy refilling**
- **Chargeable with a variety of absorbents**
- **Direct control of the liquid level**
- **Optimum humidifying effect**
- **Small stagnant space**
- **Wall-mounting**



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Technical data

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		AWB 001	AWB 010	AWB 020
Sample connections: Gas in/-outlet		3x G1/4" f (standard)		
Condensate connection		---	---	Bottom/side GL25
Flow rate		Max. 100l/h	Max. 250l/h	
Pressure at 20°C		Max. 5 bar abs.		
Volume approx.		70ml	500ml	
Materials:	Head	PVDF (standard) or PTFE		
	Body	Duran® Glass		
	Seals	FPM (head) PTFE/Silicone (GL-connection)		
Temperature of ambient or sample		Max. 100°C (standard)		
Mounting method		Wall-mounting, vertical mounting only		

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Dimensions

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