

■ The SWT series is a sunsep™ tube covered with a polyester mesh. Ideal for low flow rate gas drying / humidification.

### Non-porous membrane

Offers unique high water vapor selectivity without any external power source.

### Easy to use

By only supplying sample gas, humidity automatically balances with that of the surrounding atmosphere.

### Available for humidification

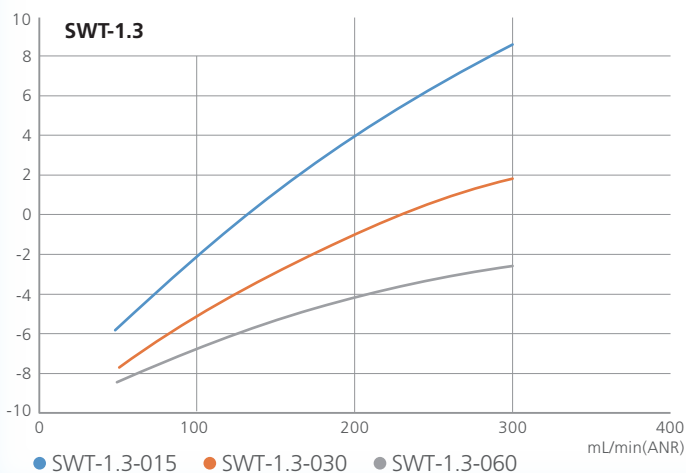
Simply immerse the product in water to generate saturated gas.



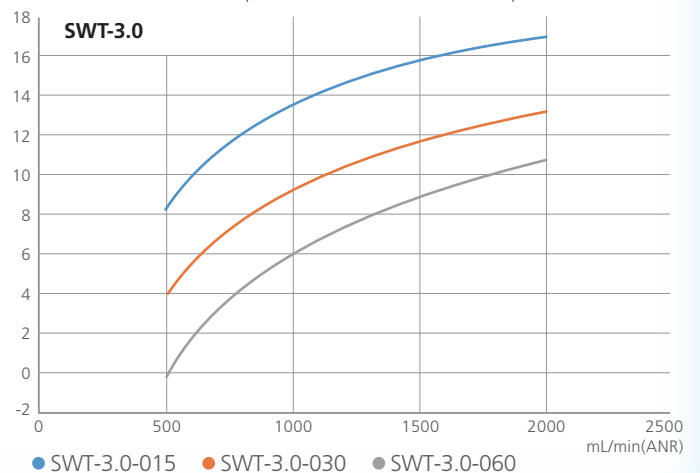
Operating Conditions	Model	SWT-1.3 series	SWT-3.0 series
	Standard gas flow rate	Up to 300mL / min (ANR)*	Up to 2L / min (ANR)*
	Applicable temperature range (without freezing)	-15 to 80°C (5 to 176°F)	
	Applicable pressure range (with dry hollow fiber membranes)	-0.03 to 0.5MPa (Gauge) at 25°C (-4.35 to 72.5psi (Gauge) at 77°F)	
Applicable gas species	Air, breath, N <sub>2</sub> , CO <sub>2</sub> , O <sub>2</sub> , and more (please contact us for details)		

\* (ANR: Air flow rate at reference conditions of 20°C, atmospheric pressure)

### ■ Dew point: °C



Supply gas temperature: 25°C    Supply gas dew-point: 20°C (RH 74%)  
Ambient air temperature: 25°C    Ambient air dew-point: -9°C (RH 9%)

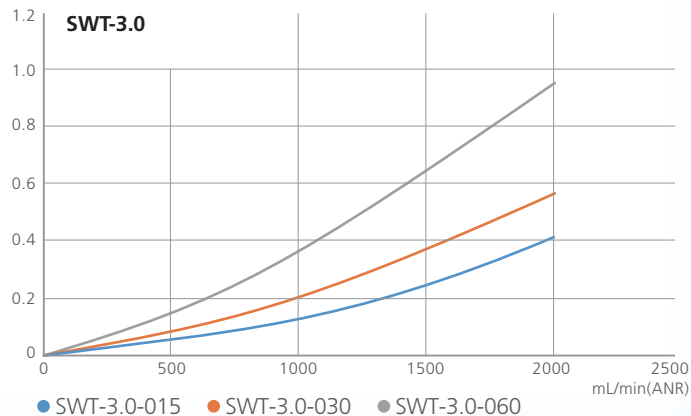
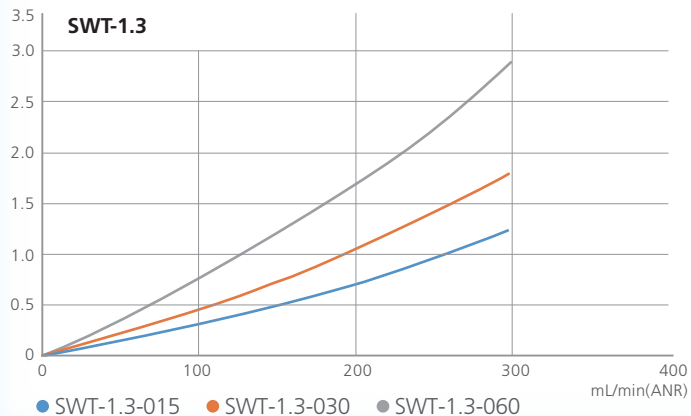


We'd be happy to discuss your special requirements. Please feel free to contact us.  
<https://www.avec.co.jp/eng/product/sunsep/swt.html>

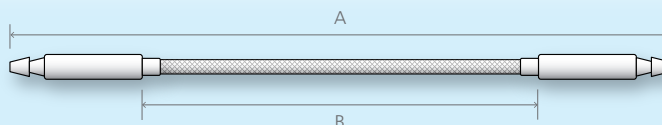
**AGC Chemicals**

## ■ Pressure drop: kPa

Supply gas temperature: 25°C    Supply gas dew-point: 20°C (RH 74%)  
 Ambient air temperature: 25°C    Ambient air dew-point: -9°C (RH 9%)



## Dimensions (mm (inch))



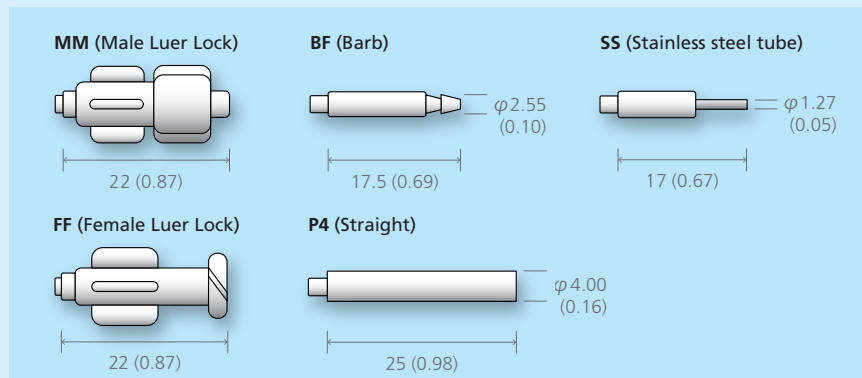
Model	A						B
	MM	FF	FM	BF	P4	SS	
SWT-1.3-015/	194 (7.6)			185 (7.3)	200 (7.9)	184 (7.2)	150 (5.9)
SWT-1.3-030/	344 (13.5)			335 (13.2)	350 (13.8)	334 (13.1)	300 (11.8)
SWT-1.3-060/	644 (25.4)			635 (25.0)	650 (25.6)	634 (25.0)	600 (23.6)

Model	A		B
	BF	P6	
SWT-3.0-015/	200 (7.9)		150 (5.9)
SWT-3.0-030/	350 (13.8)		300 (11.8)
SWT-3.0-060/	650 (25.6)		600 (23.6)

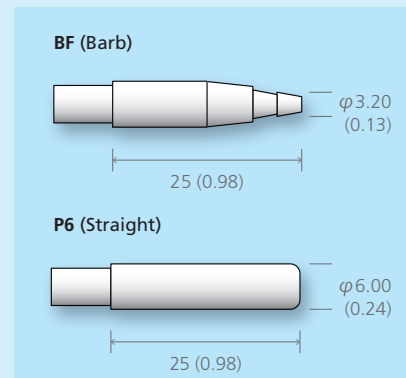
FM: One side of the fittings is MM and the other side is FF

## Fittings (mm (inch))

### SWT-1.3 series



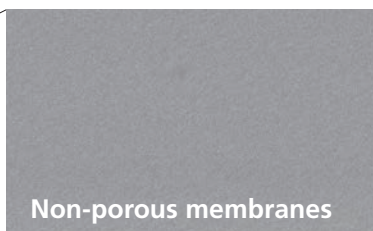
### SWT-3.0 series



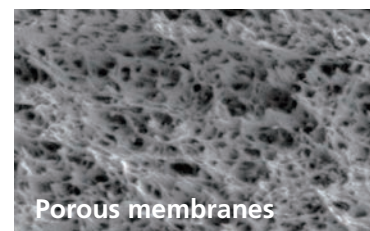
## Features of non-porous membranes



Other companies use porous membranes to remove humidity, but these membranes allow substances that are smaller than the pores to escape along with the humidity. FORBLUE™ sunsep membranes are non-porous, minimizing the transfer of contaminants.



VS



Cross-section of hollow fiber membranes (enlarged 25,000x)