

Standard Specifications/Single Unit Type (Standard dew point -20°C , -15°C)

Standard dew point---- -20°C

Model		IDG1	IDG3	IDG5	IDG10	IDG20	IDG30A	IDG50A	IDG60	IDG75	IDG100
Range of operating conditions	Fluid	Compressed air									
	Inlet air pressure (MPa)	0.3 to 0.85					0.3 to 1.0				
	Inlet air temperature (°C) Note 1)	-5 to 55					-5 to 50				
	Ambient temperature (°C) Note 1)	-5 to 55					-5 to 50				
Standard performance	Outlet air atmospheric pressure dew point (°C)	-20									
Standard performance conditions	Inlet air flow rate (L/min [ANR]) Note 2)	12.5	31	62	125	250	360	586	725	900	1190
	Outlet air flow rate (L/min [ANR])	10	25	50	100	200	300	500	600	750	1000
	Purge air flow rate (L/min [ANR]) Note 3)	2.5	6	12	25	50	60	86	125	150	190
	Inlet air pressure (MPa)	0.7									
	Inlet air temperature (°C)	25									
	Inlet air saturation temperature (°C)	25									
	Ambient temperature (°C)	25									
	Dew point indicator purge air flow rate	—			1 L/min [ANR] {In case of Inlet air pressure 0.7 MPa}						
Port size (Nominal size B)	1/4	1/8, 1/4			1/4, 3/8			3/8, 1/2		1/2	
Weight (kg) (With bracket)	0.11	0.25 (0.31)		0.43 (0.51)	0.66 (0.76)	0.78 (0.91)	0.81 (0.94)	1.50 (1.65)	1.50 (1.65)	1.55 (1.70)	

Note 1) When using the product in the temperature range between -5°C and 5°C , prevent water droplets from entering the inlet port. (No freezing of the fluid)

Note 2) "ANR" indicates the flow rate converted to the value at 20°C , under the atmospheric pressure and the state of relative humidity 65%.

Note 3) Includes 1 L/min [ANR] of purge air flow (at 0.7 MPa inlet air pressure) for the dew point indicator (except IDG1, 3, 5).

Standard dew point---- -15°C /Type H

Model		IDG3H	IDG5H	IDG10H	IDG20H	IDG30HA	IDG50HA	IDG60H	IDG75H	IDG100H	
Range of operating conditions	Fluid	Compressed air									
	Inlet air pressure (MPa)	0.3 to 0.85				0.3 to 1.0					
	Inlet air temperature (°C) ^{Note 1)}	-5 to 55				-5 to 50					
	Ambient temperature (°C) ^{Note 1)}	-5 to 55				-5 to 50					
Standard performance	Outlet air atmospheric pressure dew point (°C)	-15									
Standard performance conditions	Inlet air flow rate (L/min [ANR]) ^{Note 2)}	28	56	111	222	329	550	665	830	1110	
	Outlet air flow rate (L/min [ANR])	25	50	100	200	300	500	600	750	1000	
	Purge air flow rate (L/min [ANR]) ^{Note 3)}	3	6	11	22	29	50	65	80	110	
	Inlet air pressure (MPa)	0.7									
	Inlet air temperature (°C)	25									
	Inlet air saturation temperature (°C)	25									
	Ambient temperature (°C)	25									
	Dew point indicator purge air flow rate	—		1 L/min [ANR] {In case of Inlet air pressure 0.7 MPa}							
	Port size (Nominal size B)	1/8, 1/4		1/4, 3/8				3/8, 1/2		1/2	
	Weight (kg) (With bracket)	0.25 (0.31)		0.43 (0.51)	0.66 (0.76)	0.78 (0.91)	0.81 (0.94)	1.50 (1.65)	1.50 (1.65)	1.55 (1.70)	

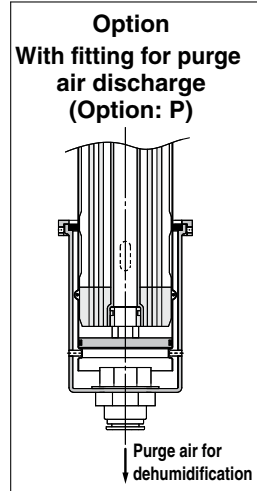
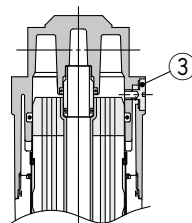
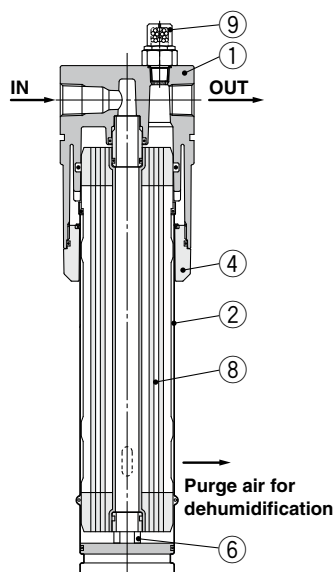
Note 1) When using the product in the temperature range between -5°C and 5°C , prevent water droplets from entering the inlet port. (No freezing of the fluid)

Note 2) "ANR" indicates the flow rate converted to the value at 20°C , under the atmospheric pressure and the state of relative humidity 65%.

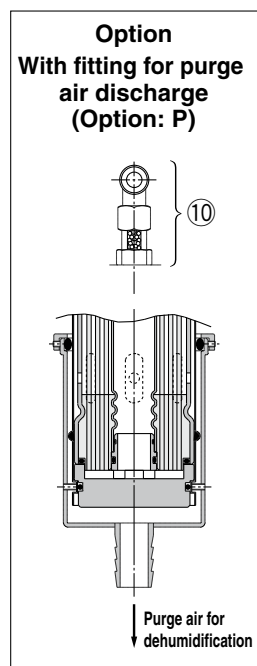
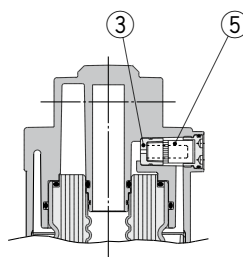
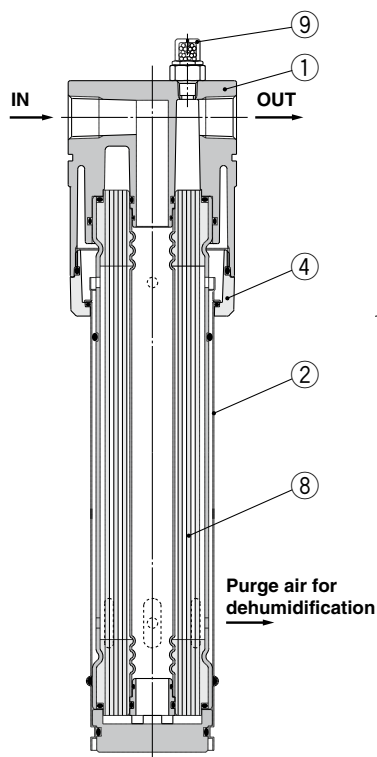
Note 3) Includes 1 L/min [ANR] of purge air flow (at 0.7 MPa inlet air pressure) for the dew point indicator (except IDG3H, 5H).

Dimensions

IDG30□A
IDG50□A



IDG60□, 75□, 100□
IDG60□A, 75□A, 100□A



Component Parts

No.	Description	Material							Note
		IDG30□A	IDG50□A	IDG60, 60H*	IDG60LA, 60SA	IDG75, 75H*	IDG75LA, 75SA	IDG100, 100H*	
1	Body	Aluminum alloy/White							*Platinum silver coated
2	Case	Stainless steel							
3	Orifice	Stainless steel							
4	Holder	Aluminum alloy		Aluminum alloy					
5	Silencer	—		Resin + Brass	Resin	Resin + Brass	Resin	Resin + Brass	Resin
6	Adapter	Resin				—			

Replacement Parts

Replacement Parts									
No.	Description	Part no.							
		IDG30□A	IDG50□A	IDG60, 60H	IDG60LA, 60SA	IDG75, 75H	IDG75LA, 75SA	IDG100, 100H	IDG100LA, 100SA
8	Membrane module kit	IDG-EL30A	IDG-EL50A	IDG-EL60	IDG-EL60LA	IDG-EL75	IDG-EL75LA	IDG-EL100	IDG-EL100LA
		With Nozzle (1 pc.), Adapter (1 pc.), O-ring (1 pc.)			With O-ring (1 pc.)				
9	Dew point indicator kit	IDG-DP01							
10		IDG-DP01-X001 (Option: P)							