

Membrane Air Dryer/Single Unit Type

Series IDG□A

Standard dew point -20°C , -15°C , -40°C , -60°C

How to Order



IDG **30** □ A - □ **03** □ - □

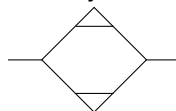
Size

30
50
60
75
100

Standard dew point temperature and air flow rate

Symbol	Standard dew point ($^{\circ}\text{C}$)	Flow rate by size	Outlet air flow rate (L/min [ANR])			
		30	50	60	75	100
Nil	-20	300	500	Select from Series IDG		
H	-15	300	500			
L	-40	75	110	170	240	300
S	-60	—	—	50	100	150

JIS Symbol



Thread type

Symbol	Type
Nil	Rc
N	NPT
F	G

Bracket Assembly (Accessory) Part No.

Part no.	Applicable model
BM64	IDG30□A, IDG50□A
BM65	IDG60□A, IDG75□A, IDG100□A

* With cap bolts (2 pcs.) and spring washers (2 pcs.)

Option

Symbol	Contents
Nil	None (Standard)
P	With fitting for purge air discharge
R	Flow direction (Right → Left)

Note) In the case of two or more options, indicate them alphabetically.

Accessory

Symbol	Type
Nil	None (Standard)
B	With bracket

Note) When symbol B is indicated, a bracket assembly with a part number shown in the table left below is included as an accessory.

Port size

Symbol	Port size	Size				
		30	50	60	75	100
02	1/4	●	●	—	—	—
03	3/8	●	●	●	●	●
04	1/2	—	—	●	●	●



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).