

Standard Specifications/Units (M Type, V Type) [Standard Dew Point – 20°C]

Models		Standard dew point –20°C							
		IDG5M	IDG10M	IDG20M	IDG30M	IDG50M	IDG60M	IDG75M	IDG100M
		IDG5V	IDG10V	IDG20V	IDG30V	IDG50V	IDG60V	IDG75V	IDG100V
Component equipment	Mist separator	AFM2000	AFM3000		AFM4000		—		
	Micro mist separator	AFD2000	AFD3000		AFD4000		—		
	Micro mist separator with pre-filter	—					AMH350	AMH450	
	Regulator (V type only)	AR2001	AR2501		AR4001				
Range of operating conditions	Fluid	Compressed air							
	Inlet air pressure MPa	0.3 to 0.85			0.3 to 1.0				
	Inlet air temperature	–5 to 55°C Note1)			– 5 to 50°C Note1)		5 to 50°C		
	Ambient temperature	–5 to 55°C			– 5 to 50°C		5 to 50°C		
Standard performance	Outlet air atmospheric pressure dew point	– 20°C							
Standard performance conditions	Inlet air flow rate l/min (ANR) Note 2)	62	125	250	375	625	725	900	1190
	Outlet air flow rate l/min (ANR)	50	100	200	300	500	600	750	1000
	Purge air flow rate l/min (ANR) Note 3)	12	25	50	75	125	125	150	190
	Inlet air pressure MPa	0.7							
	Inlet air temperature	25°C							
	Inlet air saturation temperature	25°C							
	Ambient temperature	25°C							
Dew point indicator purge air flow rate		1 l/min (ANR) {inlet air pressure at 0.7MPa}							
Micro mist separator filtration degree		0.01µm (95% filtered particle size)							
Micro mist separator with pre-filter filtration degree		0.01µm (95% filtered particle size)							
Regulator construction (V type only)		Relief type							
Port size (nominal size B)		1/8, 1/4	1/4, 3/8				3/8, 1/2	1/2	
Weight kg (with auto drain)	M type	0.83 (0.90)	1.21 (1.30)	1.44 (1.53)	2.23 (2.33)	2.26 (2.36)	2.55 (2.65)	3.10 (3.20)	3.15 (3.25)
	V type	1.28 (1.35)	1.67 (1.76)	1.90 (1.99)	3.34 (3.45)	3.37 (3.48)	3.74 (3.84)	4.29 (4.39)	4.34 (4.44)

Note 1) With no freezing.

Note 2) ANR indicates the flow rate converted to the value for 20°C at atmospheric pressure.

Note 3) Includes dew point indicator purge air flow rate 1 l/min (ANR) (inlet air pressure at 0.7MPa) (except IDG5M and IDG5V).

Note 4) Refer to CAT.E510-A "Modular Type Regulator with Built-in Pressure Gauge" for regulator flow rate characteristics and pressure characteristics.

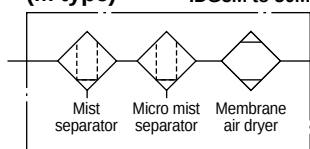


IDG30V

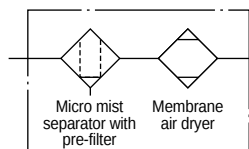
JIS symbol

(M type)

IDG5M to 50M

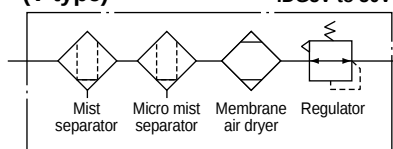


IDG60M to 100M

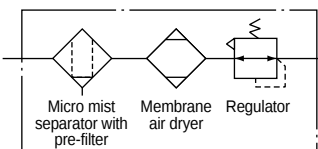


(V type)

IDG5V to 50V



IDG60V to 100V



Part numbers/Auto drain, Case assembly, Pressure gauge

Applicable models		IDG5M	IDG10M	IDG20M	IDG30M	IDG50M	IDG60M	IDG75M	IDG100M
Description		IDG5V	IDG10V	IDG20V	IDG30V	IDG50V	IDG60V	IDG75V	IDG100V
Differential pressure type auto drain		AD62	—	—	—	—	—	—	—
Float type auto drain	N.C.	—	AD53		—	—	—	—	—
	N.O.	—	—	—	AD44		—	—	—
Case assembly (N.O.)		—	—	—	—	—	AMH-CA350-D	AMH-CA450-D	
Pressure gauge (V type only)		GC30-10							

Replacement parts (Mist separator, Micro mist separator, Element for micro mist separator with pre-filter)

Description	Model	AFM2000	AFD2000	AFM3000	AFD3000	AFM4000	AFD4000	AMH350	AMH450
Element assembly		630611	63092	630617	63093	630623	63094	AMH-EL350	AMH-EL450

Refer to pages 8 and 9 for membrane air dryer replacement parts.

Standard Specifications/Units (M type, V type) [Standard dew point – 15°C]

Models		Standard dew point –15°C							
		IDG5HM	IDG10HM	IDG20HM	IDG30HM	IDG50HM	IDG60HM	IDG75HM	IDG100HM
		IDG5HV	IDG10HV	IDG20HV	IDG30HV	IDG50HV	IDG60HV	IDG75HV	IDG100HV
Component equipment	Mist separator	AFM2000	AFM3000		AFM4000		—		
	Micro mist separator	AFD2000	AFD3000		AFD4000		—		
	Micro mist separator with pre-filter	—					AMH350	AMH450	
	Regulator (V type only)	AR2001	AR2501		AR4001				
Range of operating conditions	Fluid	Compressed air							
	Inlet air pressure MPa	0.3 to 0.85			0.3 to 1.0				
	Inlet air temperature	– 5 to 55°C Note 1)			– 5 to 50°C Note1)		5 to 50°C		
	Ambient temperature	– 5 to 55°C			– 5 to 50°C		5 to 50°C		
Standard performance	Outlet air atmospheric pressure dew point	– 15°C							
Standard performance conditions	Inlet air flow rate l/min (ANR) Note 2)	56	111	222	335	560	665	830	1110
	Outlet air flow rate l/min (ANR)	50	100	200	300	500	600	750	1000
	Purge air flow rate l/min (ANR) Note 3)	6	11	22	35	60	65	80	110
	Inlet air pressure MPa	0.7							
	Inlet air temperature	25°C							
	Inlet air saturation temperature	25°C							
	Ambient temperature	25°C							
Dew point indicator purge air flow rate		1 l/min (ANR) {inlet air pressure at 0.7MPa}							
Micro mist separator filtration degree		0.01μm (95% filtered particle size)							
Micro mist separator with pre-filter filtration degree		0.01μm (95% filtered particle size)							
Regulator construction (V type only)		Relief type							
Port size (nominal size B)		1/8, 1/4	1/4, 3/8				3/8, 1/2	1/2	
Weight kg (with auto drain)	M type	0.83 (0.90)	1.21 (1.30)	1.44 (1.53)	2.23 (2.33)	2.26 (2.36)	2.55 (2.65)	3.10 (3.20)	3.15 (3.25)
	V type	1.28 (1.35)	1.67 (1.76)	1.90 (1.99)	3.34 (3.45)	3.37 (3.48)	3.74 (3.84)	4.29 (4.39)	4.34 (4.44)

Note 1) With no freezing.

Note 2) ANR indicates the flow rate converted to the value for 20°C at atmospheric pressure.

Note 3) Includes dew point indicator purge air flow rate 1 l/min (ANR) (inlet air pressure at 0.7MPa) (except IDG5HM and IDG5HV).

Note 4) Refer to CAT.E510-A "Modular Type Regulator with Built-in Pressure Gauge" for regulator flow rate characteristics and pressure characteristics.

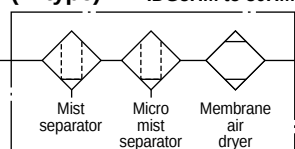


IDG30HV

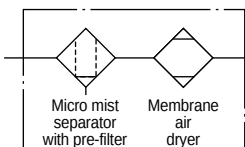
JIS symbol

(M type)

IDG5HM to 50HM

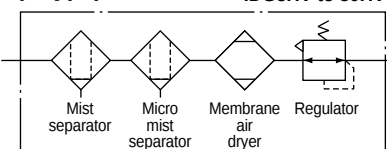


IDG60HM to 100HM

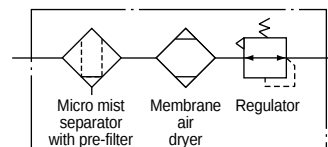


(V type)

IDG5HV to 50HV



IDG60HV to 100HV



Part numbers/Auto drain, Case assembly, Pressure gauge

Applicable models		IDG5HM	IDG10HM	IDG20HM	IDG30HM	IDG50HM	IDG60HM	IDG75HM	IDG100HM
Description		IDG5HV	IDG10HV	IDG20HV	IDG30HV	IDG50HV	IDG60HV	IDG75HV	IDG100HV
Differential pressure type auto drain		AD62	—	—	—	—	—	—	—
Float type auto drain	N.C.	—	AD53		—	—	—	—	—
	N.O.	—	—	—	AD44		—	—	—
Case assembly		—	—	—	—	—	AMH-CA350-D	AMH-CA450-D	
Pressure gauge (V type only)		GC30-10							

Replacement parts (Mist separator, Micro mist separator, Element for micro mist separator with pre-filter)

Description	Equipment	AFM2000	AFD2000	AFM3000	AFD3000	AFM4000	AFD4000	AMH350	AMH450
Element assembly		630611	63092	630617	63093	630623	63094	AMH-EL350	AMH-EL450

Refer to pages 8 and 9 for membrane air dryer replacement parts.