

PNEUDRI MIDiplus

Product Selection

Model	Pipe Size	Inlet Flowrates			
		L/S	m ³ /min	m ³ /hr	cfm
DME012	3/4"	11"	0.68	41	24
DME015	3/4"	15	0.91	55	32
DME020	3/4"	20	1.19	71	42
DME025	3/4"	25	1.50	90	53
DME030	3/4"	31	1.84	110	65
DME040	3/4"	42	2.49	149	88
DME050	1"	50	3.01	180	106
DME060	1"	61	3.69	221	130
DME080	1"	83	4.99	299	176



Stated flows are for operation at 7 bar g (100 psi g) with reference to 20°C, 1 bar a, 0% relative water vapour pressure. For flows at other pressures, apply the correction factors shown.

Dryer Performance

Dryer Models	Dewpoint (Standard)		ISO8573-1:2010 Classification (standard)	Dewpoint (Option 1)		ISO8573-1:2010 Classification (Option 1)
	°C	°F		°C	°F	
DME	-40	-40	Class 2	-70	-100	Class 1
DMP*	-40	-40	Class 2	-70	-100	Class 1

Technical Data

Dryer Models	Min Operating Pressure		Max Operating Pressure		Min Operating Temperature		Max Operating Temperature		Max Ambient Temperature		Electrical Supply (Standard)	Electrical Supply (Optional)	Thread Connection	Noise Level dB(A)
	bar g	psi g	bar g	psi g	°C	°F	°C	°F	°C	°F				
DME012 - DME040	4	58	16	232	5	41	50	122	55	131	230V 1ph 50/60Hz	110V 1ph 50/60Hz	BSPP or NPT	<75
DME050 - DME080	4	58	13	190	5	41	50	122	55	131	230V 1ph 50/60Hz	110V 1ph 50/60Hz	BSPP or NPT	<75
DMP12P - DMP80P*	4	58	10.5	152	5	41	50	122	55	131	FULLY PNEUMATIC		BSPP or NPT	<75

Controller Options

Controller Options	Function									
	Power On Indication	Fault Indication	Display Fault Condition Values	Service Interval Indication	Service Countdown Timers	Configurable Alarm Settings	Remote Volt Free Alarm contacts	Filter Service Timer	DDS Energy Management System	
DME (Electronic control)	•	•					•			
DME DDS	•	•					•		•	

***ATEX compliant option available.**

For hazardous environments, a fully pneumatic ATEX compliant version of PNEUDRI is available.

ATEX Directive 94/9/EC
Group II, Category 2GD, T6.

Correction Factors

Temperature Correction Factor CFT							
Maximum Inlet Temperature	°C	25	30	35	40	45	50
	°F	77	86	95	104	113	122
	CFT	1.00	1.00	1.00	1.04	1.14	1.37

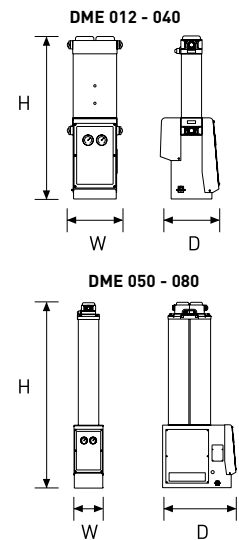
Pressure Correction Factor CFP														
Minimum Inlet Pressure	bar g	4	5	6	7	8	9	10	11	12	13	14	15	16
	psi g	58	73	87	100	116	131	145	160	174	189	203	218	232
	CFP	1.60	1.33	1.14	1.00	0.89	0.80	0.73	0.67	0.62	0.57	0.54	0.5	0.47

Dewpoint Correction Factor CFD		Standard	Option 1
Required Dewpoint	PDP °C	-40	-70
	PDP °F	-40	-100
	CFD	1.00	1.43

Models 012 - 040 only

Weights and Dimensions

Model	Pipe Size Inlet / Outlet	Dimensions						Weight	
		Height (H)		Width (W)		Depth (D)		kg	lbs
		mm	ins	mm	ins	mm	ins		
DME012	3/4"	837	33.0	284	11.2	302	11.9	32	70
DME015	3/4"	1003	39.5	284	11.2	302	11.9	37	81
DME020	3/4"	1168	46.0	284	11.2	302	11.9	42	92
DME025	3/4"	1333	52.5	284	11.2	302	11.9	47	103
DME030	3/4"	1499	59.0	284	11.2	302	11.9	52	114
DME040	3/4"	1747	68.8	284	11.2	302	11.9	60	132
DME050	1"	1433	56.4	220	8.7	566	22.3	80	176
DME060	1"	1599	63.0	220	8.7	566	22.3	90	198
DME080	1"	1847	72.7	220	8.7	566	22.3	104	229



Recommended Filtration

For Dryer Model	Filter Pipe Size BSPT or NPT	Inlet General Purpose Pre-filter	Inlet High Efficiency Filter	Outlet Dust Filter
DME012	3/4"	AO020D □ FX	AA020D □ FX	AR020D □ MX
DME015	3/4"	AO020D □ FX	AA020D □ FX	AR020D □ MX
DME020	3/4"	AO020D □ FX	AA020D □ FX	AR020D □ MX
DME025	3/4"	AO020D □ FX	AA020D □ FX	AR020D □ MX
DME030	3/4"	AO020D □ FX	AA020D □ FX	AR020D □ MX
DME040	3/4"	AO025D □ FX	AA025D □ FX	AR025D □ MX
DME050	1"	AO025E □ FX	AA025E □ FX	AR025E □ MX
DME060	1"	AO030E □ FX	AA030E □ FX	AR030E □ MX
DME080	1"	AO030E □ FX	AA030E □ FX	AR030E □ MX

□ = G (BSPP) or N (NPT)