

PNEUDRI MIDiplus

Flowrates

Model	Pipe Size	Inlet Flowrates			
		L/S	m ³ /min	m ³ /hr	cfm
DME012	G 3/4	11	0.68	41	24
DME015	G 3/4	15	0.91	55	32
DME020	G 3/4	20	1.19	71	42
DME025	G 3/4	25	1.50	90	53
DME030	G 3/4	31	1.84	110	65
DME040	G 3/4	42	2.49	149	88
DME050	G1	50	3.01	180	106
DME060	G1	61	3.69	221	130
DME080	G1	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.

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

Models 012 - 040 only.

Product Selection PNEUDRI MIDiplus 230V/1ph/50Hz

DME -40°C		DME/DS -40°C		DME -70°C		DME/DS -70°C		DME -40°C	
Item Number	Pdh Ref	Item Number	Pdh Ref	Item Number	Pdh Ref	Item Number	Pdh Ref	Item Number	Pdh Ref
DME012BKF	618330090	DME012DSBKF	618330130	DME012-70	617330000	DME012DS-70	617330040	DMP012-ATEX	618230801
DME015BKF	618330091	DME015DSBKF	618330131	DME015-70	617330001	DME015DS-70	617330041	DMP015-ATEX	618230802
DME020BKF	618330092	DME020DSBKF	618330132	DME020-70	617330002	DME020DS-70	617330042	DMP020-ATEX	618230803
DME025BKF	618330093	DME025DSBKF	618330133	DME025-70	617330003	DME025DS -70	617330043	DMP025-ATEX	618230804
DME030BKF	618330094	DME030DSBKF	618330134	DME030-70	617330004	DME030DS -70	617330044	DMP030-ATEX	618230805
DME040BKF	618330095	DME040DSBKF	618330135	DME040-70	617330005	DME040DS -70	617330045	DMP040-ATEX	618230806
DME050BKF	618330096	DME050DSBKF	618330136	DME050-70	617330006	DME050DS -70	617330046	DMP050-ATEX	618230807
DME060BKF	618330097	DME060DSBKF	618330137	DME060-70	617330007	DME060DS-70	617330047	DMP060-ATEX	618230808
DME080BKF	618330098	DME080DSBKF	618330138	DME080-70	617330008	DME080DS-70	617330048	DMP080-ATEX	618230809

Maximum pressure 10.5 bar g

PNEUDRI MIDiplus 110V/1ph/60Hz

DME -40°C		DME/DS -40°C		DME -70°C		DME/DS -70°C	
Item Number	Pdh Ref	Number Part	Pdh Ref	Item Number	Pdh Ref	Item Number	Pdh Ref
DME012-CSA	618330150	DME012-DS-CSA	618330170	DME012 -70 CSA	617330150	DME012DS -70 CSA	617330170
DME015-CSA	618330151	DME015-DS-CSA	618330171	DME015 -70 CSA	617330151	DME015DS -70 CSA	617330171
DME020-CSA	618330152	DME020DS-CSA	618330172	DME020 -70 CSA	617330152	DME020/DS -70 CSA	617330172
DME025-CSA	618330153	DME025DS-CSA	618330173	DME025 -70 CSA	617330153	DME025DS -70 CSA	617330173
DME030-CSA	618330154	DME030DS-CSA	618330174	DME030 -70 CSA	617330154	DME030DS -70 CSA	617330174
DME040-CSA	618330155	DME040-DS-CSA	618330175	DME040 -70 CSA	617330155	DME040DS -70 CSA	617330175
DME050-CSA	618330156	DME050DS-CSA	618330176	DME050 -70 CSA	617330156	DME050DS-70 CSA	617330176
DME060-CSA	618330157	DME060DS-CSA	618330177	DME060 -70 CSA	617330157	DME060DS-70 CSA	617330177
DME080-CSA	618330158	DME080DS-CSA	618330178	DME080 -70 CSA	617330158	DME080DS-70 CSA	617330178

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

□ = B (BSPT) or N (NPT)

Frequently asked questions PNEUDRI MIDiplus – DME, DME/DS

Does the standard PNEUDRI MIDiplus dryer have a fault alarm relay?

No, as standard the PNEUDRI MIDiplus does not contain a fault relay.

The fault relay can be specified as an option at time of purchase or can be retrofitted to an existing unit. Part Number 608203200.

Are the inlet valves normally open or normally closed?

As standard on models DME012 - 040 the inlet valves are normally closed.

As standard the DME050 - 080 the inlet valves are normally open.

What is the power requirement of the PNEUDRI MIDiplus dryer?

65W for DME012 - DME040. 34W for DME50 - DME080.

How do I display dewpoint?

The PNEUDRI MIDiplus unit does not have ability to display the dewpoint.

Can I take the hygrometer signal to a remote location for dewpoint monitoring?

The PNEUDRI MIDiplus unit does not have ability to retransmit the hygrometer dewpoint signal.

What IP rating is my dryer?

The control box as standard has been tested to IP 65.

Can I reduce purge losses by taking a signal from the compressor so the dryer does not consume purge during this time?

This is an option for PNEUDRI MIDiplus dryers.

Please ask the TSG department for further information.

Can I remotely switch my dryer off and on?

This is a possible option for PNEUDRI MIDiplus dryers.

Please ask the TSG department for further information.

What do the LEDs mean on the front of the dryer?

Yellow LED steady – Normal operation.

Green LED steady – Dryer is in energy saving mode ECO.



PNEUDRI MIDiplus control display.