

PNEUDRI MiDAS

Flowrates

Model	Pipe Size	Inlet Flowrates			
		L/S	m ³ /min	m ³ /hr	cfm
DAS1	G 3/8	1	0.09	5.1	3
DAS2	G 3/8	2	0.14	8.5	5
DAS3	G 3/8	4	0.23	13.6	8
DAS4	G 3/8	5	0.28	17.0	10
DAS5	G 3/8	6	0.37	22.1	13
DAS6	G 3/8	7	0.43	25.5	15
DAS7	G 3/8	9	0.57	34.0	20

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
	psi g	58	73	87	102	116	131	145	160	174
	CFP	1.60	1.33	1.14	1.00	1.03	0.93	0.85	0.78	0.71

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

Product Selection - PNEUDRI MiDAS

DAS-40°C 115V/1ph/60Hz		DAS -40°C 230V /1ph/50Hz		MINI Pneumatic	
Item Number	Pdh Ref	Item Number	Pdh Ref	Item Number	Pdh Ref
DAS1-115-60-CSA	618310101	DAS1	618310201	DM002P	618240102
DAS2-115-60-CSA	618310102	DAS2	618310202	DM003P	618240103
DAS3-115-60-CSA	618310103	DAS3	618310203	DM006P	618240104
DAS4-115-60-CSA	618310104	DAS4	618310204		
DAS5-115-60-CSA	618310105	DAS5	618310205		
DAS6-115-60-CSA	618310106	DAS6	618310206		
DAS7-115-60-CSA	618310107	DAS7	618310207		

For a -70°C PDP application please consult the factory.

Recommended Filtration

Model	Filter Pipe Size BSPT or NPT	Inlet General Purpose Pre-filter	Inlet High Efficiency Filter	Outlet Dust Filter
DAS1	3/8"	AO005B □ FX	N/A*	N/A*
DAS2	3/8"	AO005B □ FX	N/A*	N/A*
DAS3	3/8"	AO005B □ FX	N/A*	N/A*
DAS4	3/8"	AO005B □ FX	N/A*	N/A*
DAS5	3/8"	AO005B □ FX	N/A*	N/A*
DAS6	3/8"	AO0010B □ FX	N/A*	N/A*
DAS7	3/8"	AO0010B □ FX	N/A*	N/A*

*PNEUDRI MiDAS dryers include integral high efficiency pre and general purpose dust filters.

□ = B (BSPT) or N (NPT)

Frequently asked questions

PNEUDRI MiDAS – DAS1 - DAS7

Does the PNEUDRI MiDAS dryer have a fault alarm relay?

No, although a spares kit can be purchased to allow a fault relay upgrade in the field.
Part Number: 608203186.

What does the fault relay warn me about?

The fault relay will energise in the event of a “service required” condition (red LED on). This occurs 12000 hours after the last service. This will be accompanied by an audible alarm which will sound every six seconds.

Are the inlet valves normally open or normally closed?

The inlet to the PNEUDRI MiDAS dryer is a shuttle which moves between two inlet ports so the PNEUDRI MiDAS inlet arrangement is normally open.

Are the dryer exhaust valves normally open or normally closed?

The exhaust valves are normally closed. In the event of a power failure the purge flow from the dryer will cease.

How do I read my outlet dewpoint?

The PNEUDRI MiDAS dryer has no option for the fitting of a hygrometer.

What is the power requirement of the PNEUDRI MiDAS dryer?

The PNEUDRI MiDAS dryer has a maximum power requirement of 20W.

Can I have a remote display?

Yes - The first option is identical to the display already fitted to the PNEUDRI MiDAS facia but can be placed within 3m of the unit and is designed for status indication where PNEUDRI MiDAS is placed at floor level or in enclosed location. Part Number: 608203557.

The second option is a cable which up to 50m long. Part Number: 608203080.

Can I mount PNEUDRI MiDAS on a wall?

PNEUDRI MiDAS can be wall mounted. There are two wall mounting kit options available.

The first wall mounting kit (DASMB1) is a fixed wall bracket where access is required all around to allow servicing. Part Number: 608202279.

The second wall mounting kit (DASMB2) allows the dryer to fall to 45 degree angle which allows access if the dryer is fitted under a shelf or in a location which limits access for servicing. Part Number: 608203088.



PNEUDRI MiDAS control display.