

DAM

The DAM is a versatile air curtain designed for performance and modern aesthetics. Its clean front panel replaces the traditional grille and can be customised with logos, signage, or graphics, making it ideal for visible installations. The double air inlet areas are located behind the front panel avoiding intensive maintenance.

Equipped with low-noise, double-inlet centrifugal fans and external rotor motors, DAM is also available in EC versions with ultra-efficient fans. It offers multiple heating options - water, electric, or air-only.

An Advanced Pro controller, with built in sensors that intelligently monitor and control temperatures, is included. The wall mounted LCD display offers 5 fan speed selections and 3 heater stages for electrically heated units, or 5 speed fan selection for LPHW and air only units. 7 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



Colours Available

White RAL9016 (standard)
Stainless Steel
Any classic RAL colour



Fan Options

AC fan
EC fan



Mounting Options

Horizontal
Vertical



Heating Options

Electric, LPHW
Air Only



Max Door Height

4.2m



Lengths Available

1.0m 1.5m 2.0m
2.5m 3.0m



Air Only

Model	Max mounting height (m)	Airflow (m³/h)	Ventilation power (kW)	Ventilation current (A)	Noise level (dB(A))	Weight (kg)
DAM M 1000 A	3.5	1800	0.212	0.94	55	38
DAM M 1500 A	3.5	2700	0.318	1.41	56	56
DAM M 2000 A	3.5	3600	0.424	1.88	57	70
DAM M 2500 A	3.5	4500	0.53	2.35	58	76
DAM M 3000 A	3.5	5400	0.636	2.82	59	88
DAM ECM 1000 A	3.5	1840	0.142	1.24	56	38
DAM ECM 1500 A	3.5	2760	0.213	1.86	57	56
DAM ECM 2000 A	3.5	3680	0.284	2.48	58	70
DAM ECM 2500 A	3.5	4600	0.355	3.1	59	76
DAM ECM 3000 A	3.5	5520	0.426	3.72	60	88
DAM G 1000 A	3.8	2400	0.642	2.85	57	42
DAM G 1500 A	3.8	3200	0.856	3.8	58	61
DAM G 2000 A	3.8	4800	1.284	5.7	59	80
DAM G 2500 A	3.8	5600	1.498	6.65	60	86
DAM G 3000 A	3.8	6400	1.712	7.6	61	98
DAM ECG 1000 A	4.2	2700	0.213	1.86	61	42
DAM ECG 1500 A	4.2	3600	0.284	2.48	62	61
DAM ECG 2000 A	4.2	5400	0.426	3.72	63	80
DAM ECG 2500 A	4.2	6300	0.497	4.34	64	86
DAM ECG 3000 A	4.2	7200	0.568	5.96	65	98

Electrically Heated

EXPOSED

Model	Max mounting height (m)	Airflow (m ³ /h)	Electrical heating capacity (kW)	Electrical heating voltage (V)	Ventilation power (W)	Ventilation current (A)	Noise level (dB(A))
DAM M 1000 E	3.5	1800	9	0.212	0.94	55	45
DAM M 1500 E	3.5	2700	12	0.318	1.41	56	68
DAM M 2000 E	3.5	3600	18	0.424	1.88	57	88
DAM M 2500 E	3.5	4500	18	0.53	2.35	58	96
DAM M 3000 E	3.5	5400	24	0.636	2.82	59	111
DAM ECM 1000 E	3.5	1840	9	0.142	1.24	56	45
DAM ECM 1500 E	3.5	2760	12	0.213	1.86	57	68
DAM ECM 2000 E	3.5	3680	18	0.284	2.48	58	88
DAM ECM 2500 E	3.5	4600	18	0.355	3.1	59	96
DAM ECM 3000 E	3.5	5520	24	0.426	3.72	60	111
DAM G 1000 E	3.8	2400	15	0.642	2.85	57	50
DAM G 1500 E	3.8	3200	22.5	0.856	3.8	58	74
DAM G 2000 E	3.8	4800	30	1.284	5.7	59	98
DAM G 2500 E	3.8	5600	30	1.498	6.65	60	106
DAM G 3000 E	3.8	6400	30	1.712	7.6	61	121
DAM ECG 1000 E	4.2	2700	15	0.213	1.86	61	50
DAM ECG 1500 E	4.2	3600	22.5	0.284	2.48	62	74
DAM ECG 2000 E	4.2	5400	30	0.426	3.72	63	98
DAM ECG 2500 E	4.2	6300	30	0.497	4.34	64	106
DAM ECG 3000 E	4.2	7200	30	0.568	5.96	65	121

Water Heated

Model	Max mounting height(m)	Airflow (m ³ /h)	Water heating capacity (kW)	Water pressure drop (Pa)	Water heating capacity (kW)	Water pressure drop (Pa)	Water heating capacity (kW)	Water pressure drop (Pa)	Ventilation power (kW)	Ventilation current (A)	Noise level (dB(A))	Weight (kg)
DAM M 1000 P	3.5	1660	9.17	880	8.56	4370	8.52	1220	0.428	1.9	56	43
DAM M 1500 P	3.5	2490	14.26	760	13.69	6460	14.34	4480	0.642	2.85	57	64
DAM M 2000 P	3.5	3320	20.65	1930	18.26	4790	18.65	2060	0.856	3.8	58	81
DAM M 2500 P	3.5	4150	26.92	3810	22.12	3850	24.32	4040	1.07	4.75	59	89
DAM M 3000 P	3.5	4980	33.24	6590	28.37	6760	29.77	5660	1.28	5.7	60	103
DAM ECM 1000 P	3.5	1720	9.38	920	8.77	4560	8.74	1280	0.142	1.24	56	43
DAM ECM 1500 P	3.5	2580	14.58	790	14.02	6730	14.71	4690	0.213	1.86	57	64
DAM ECM 2000 P	3.5	3440	21.12	2010	18.7	4990	19.13	2150	0.284	2.48	58	81
DAM ECM 2500 P	3.5	4300	27.53	3960	23.33	4010	24.95	4230	0.355	3.1	59	89
DAM ECM 3000 P	3.5	5160	33.99	6860	29.05	7050	30.54	5920	0.426	3.72	60	103
DAM G 1000 P	3.8	2250	11.04	1230	10.42	6190	10.56	1790	0.642	2.85	57	48
DAM G 1500 P	3.8	3000	16.02	940	15.47	8020	16.37	5670	0.856	3.8	58	70
DAM G 2000 P	3.8	4500	24.92	2700	22.29	6810	23.15	3030	1.284	5.7	59	91
DAM G 2500 P	3.8	5250	31.16	4930	26.61	5060	28.76	5450	1.498	6.65	60	97
DAM G 3000 P	3.8	6000	37.35	8110	32.1	8410	34.03	7180	1.712	7.6	61	111
DAM ECG 1000 P	4.2	2550	11.89	1400	11.27	7110	11.5	2090	0.213	1.86	61	48
DAM ECG 1500 P	4.2	3400	17.29	1070	16.77	9240	17.86	6620	0.284	2.48	62	70
DAM ECG 2000 P	4.2	5100	26.86	3080	24.14	7850	25.24	3530	0.426	3.72	63	91
DAM ECG 2500 P	4.2	5950	33.63	5650	28.84	5840	31.38	6360	0.497	4.34	64	97
DAM ECG 3000 P	4.2	6800	40.34	9290	34.81	9710	37.16	8400	0.568	5.96	65	111

Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male.
P86 2 row coil, P64 3 row coil, P54 4 row coil.

Layouts and Dimensions

Technical drawing of the DAM 1500 unit, showing top and side views with dimensions.

Top View Dimensions:

- Overall width: 580
- Overall height: 580
- Top left corner: 40 (width), 120 (height)
- Top right corner: 40 (width), 34 (height)
- Left side: 460 (height), 120 (height)
- Right side: 297 (height), 129 (height), 100 (height), 20 (height)
- Internal dimensions: 76, 38, 33, 52
- Labels: L, A, B, B, Control, 4/6 x M8

Side View Dimensions:

- Overall width: 580
- Overall height: 260
- Left side: 70 (width)
- Right side: 260 (height)
- Internal dimensions: 70, 260

Legend:

- DAM 1000
- DAM 1500
- DAM 2000
- DAM 2500

	L	A	B
DAM 1000	1500	920	-
DAM 1500	1500	1420	710
DAM 2000	2000	1920	960
DAM 2500	2500	2420	1210
DAM 3000	3000	2920	1460

Technical drawing of the EKO 1000 cabinet, showing front, side, and top views with dimensions and callouts.

Front View Dimensions:

- Width: 260
- Height: L
- Base: 40

Side View Dimensions:

- Width: 460
- Height: 100
- Base: 20
- Label: Control
- Label: Foot

Top View Dimensions:

- Overall Width: 579
- Overall Depth: 510
- Internal Width: 478
- Internal Depth: 370
- Mounting Hole Spacing: 165
- Mounting Hole Diameter: 10 x Ø12
- Mounting Hole Pattern: 225 (vertical), 106 (horizontal)
- Mounting Hole Spacing: 192

Callouts:

- Control
- Foot
- 10 x Ø12

Additional Information:

- CAD drawings, BIM files, installation manuals and other documentation available on request

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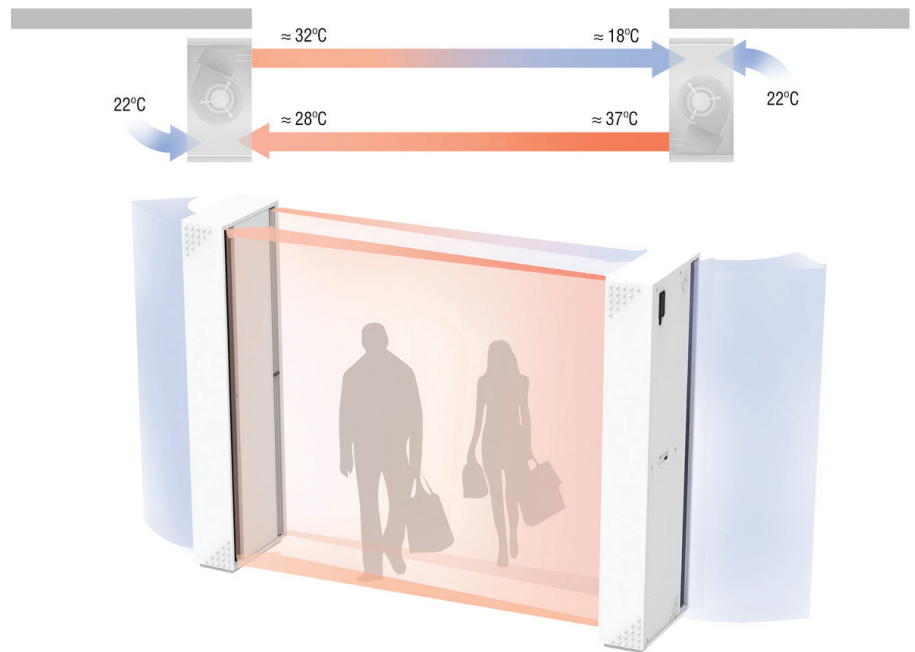


Dam Twin application

DAM TWIN system is an optimal solution for installations with very adverse conditions.

The system consists on two vertical DAM air curtains face to face, one with the air jet ahead and the other behind.

At the end of each jet there is the inlet of the other air curtain helping to close the air barrier. This double jet works as a closed circuit creating a separation zone at the door entrance.



Finishes and details



Customised finishes on request.