



## Technical Features



RAL 9016 standard



Other colors on request



Stainless steel



Range  
Up to 13,8 ft



Heating types  
E : electrical 3 stages  
P : water  
A : unheated



Casing  
Galvanised Steel [\*]



Airflow / Length  
853 - 4473 cfm  
3,2 ft to 9,8 ft



Heating capacity  
E : 6 - 30,5 kW  
P : 25,08 - 140,14 kBTu/h



Grille type  
Micro-perforated with prefilter function



Fans  
Centrifugal  
5-speed



Control  
Plug&Play manual regulator + IR remote control



Outlet lamellas  
Aluminium, airfoil type  
Adjustable 0-15° each side

[\*] Customizable dimensions on request

DAM is an air curtain from the standard range that stands out for its versatility and the design of its front part. The classic suction grille has been efficiently replaced by a front panel that can be customised with logos, signage, graphics or images providing a modern and clean view of the equipment. The double air inlet areas are located behind the front panel. They do not need maintenance. Casing painted in RAL 9016. Other colors are available on request.

This air curtain model works with double-inlet centrifugal fans driven by an external rotor motor with low noise level. EC models assembled with very low consumption efficiency fans.

Includes Plug&Play control with 23ft RJ45 cable, infrared remote control and magnetic door contact. For electrical heated models also includes thermostat.

CSA certified.

✿ UNHEATED 208V-1ph~60Hz

Model	Airflow	Ventilation power	Ventilation current	Noise level	Weight
	cfm	208V-1ph~60Hz kW	208V-1h~60Hz A	(5 m) dB(A)	
DAM M 1000 A	1089	0,221	1,07	54	83,8
DAM M 1500 A	1633	0,332	1,61	55	123,5
DAM M 2000 A	2177	0,442	2,14	56	154,3
DAM M 2500 A	2722	0,553	2,68	57	167,6
DAM M 3000 A	3266	0,663	3,21	58	194
DAM G 1000 A	1368	0,332	1,61	56	92,6
DAM G 1500 A	1824	0,442	2,14	57	134,5
DAM G 2000 A	2737	0,663	3,21	58	176,4
DAM G 2500 A	3193	0,774	3,75	59	189,6
DAM G 3000 A	3649	0,884	4,28	60	216,1
DAM ECG 1000 A	1589	0,319	2,79	60	92,6
DAM ECG 1500 A	2119	0,425	3,72	61	134,5
DAM ECG 2000 A	3178	0,638	5,58	62	176,4
DAM ECG 2500 A	3708	0,744	6,51	63	189,6
DAM ECG 3000 A	4237	0,851	7,44	64	216,1



❄️ UNHEATED 240V-1ph~60Hz

Model	Airflow	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight
	cfm	kW	A	dB(A)	lb
DAM M 1000 A	1177	0,263	1,10	55	83,8
DAM M 1500 A	1766	0,395	1,65	56	123,5
DAM M 2000 A	2354	0,526	2,20	57	154,3
DAM M 2500 A	2943	0,658	2,75	58	167,6
DAM M 3000 A	3531	0,789	3,30	59	194
DAM G 1000 A	1457	0,395	1,65	57	92,6
DAM G 1500 A	1942	0,526	2,20	58	134,5
DAM G 2000 A	2913	0,789	3,30	59	176,4
DAM G 2500 A	3399	0,921	3,85	60	189,6
DAM G 3000 A	3884	1,052	4,40	61	216,1
DAM ECG 1000 A	1677	0,381	2,94	61	92,6
DAM ECG 1500 A	2236	0,508	3,92	62	134,5
DAM ECG 2000 A	3354	0,762	5,88	63	176,4
DAM ECG 2500 A	3914	0,889	6,86	64	189,6
DAM ECG 3000 A	4473	1,016	7,84	65	216,1

⚡ ELECTRIC HEATED 208V-1ph~60Hz

Model	Airflow cfm	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 208V-1ph~60Hz	Ventilation current 208V-1ph~60Hz	Noise level (5 m)	Weight lb
		kW	kW	kW	kW	kW	A	dB(A)	
DAM M 1000 E	1059	2/4/6	2/4,5/6,5	2,5/5/7,5	3,5/3,5/7	0,221	1,07	54	99,2
DAM M 1500 E	1589	3/6/9	3/6,5/9,5	3,5/7/10,5	5/5/10	0,332	1,61	55	149,9
DAM M 2000 E	2119	4/8/12	4/8,5/12,5	4,5/9/13,5	6,5/6,5/13	0,442	2,14	56	194
DAM M 2500 E	2648	5/8/13	5/10/15	5,5/11/16,5	8/8/16	0,553	2,68	57	211,6
DAM M 3000 E	3178	6,5/8/14,5	6/12/18	6,5/13/19,5	9,5/9,5/19	0,663	3,21	58	244,7
DAM G 1000 E	1324	2,5/5/7,5	2,5/5/7,5	3/5,5/8,5	3,5/4/7,5	0,332	1,61	56	110,2
DAM G 1500 E	1766	3,5/6,5/10	3,5/7/10,5	4/7,5/11,5	5/5,5/10,5	0,442	2,14	57	163,1
DAM G 2000 E	2648	5/9/14	5/10,5/15,5	5,5/11/16,5	6,5/8/14,5	0,663	3,21	58	216,1
DAM G 2500 E	3090	5,5/9/14,5	6/12/18	6,5/13/19,5	8/9,5/17,5	0,774	3,75	59	233,7
DAM G 3000 E	3531	6,5/8/14,5	6/12/18	6,5/13/19,5	9,5/9,5/19	0,884	4,28	60	266,8
DAM ECG 1000 E	1589	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,319	2,79	60	110,2
DAM ECG 1500 E	2119	6/9,5/15,5	5,5/10,5/16	5,8/11,7/17,5	5,5/11/16,5	0,425	3,72	61	163,1
DAM ECG 2000 E	3178	5/9/14	8/16,5/24,5	8,8/17,7/26,5	8/16/24	0,638	5,58	62	216,1
DAM ECG 2500 E	3708	5,5/9/14,5	9,5/18,5/28	10,2/20,3/30,5	9,5/19/28,5	0,744	6,51	63	233,7
DAM ECG 3000 E	4237	6,5/8/14,5	9,5/18,5/28	10,2/20,3/30,5	9,5/19/28,5	0,851	7,44	64	266,8

(\*) Under request other electrical heating power can be limited.

For 208V~3ph~60Hz air curtains there is only needed to connect three-phase power supply.  
For the rest of air curtains, there is needed to connect both three-phase (for electrical heating) and single phase (for fans).



**ELECTRIC HEATED 240V-1ph~60Hz**

Model	Airflow cfm	Electrical heating capacity (*) 208V-3ph~60Hz	Electrical heating capacity (*) 460V-3ph~60Hz	Electrical heating capacity (*) 480V-3ph~60Hz	Electrical heating capacity (*) 575V-3ph~60Hz	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m) dB(A)	Weight lb
		kW	kW	kW	kW	kW	A		
DAM M 1000 E	1148	2,5/5/7,5	3,3/6,7/10	3,7/7,3/11	3,5/7/10,5	0,263	1,10	55	99,2
DAM M 1500 E	1721	3/6,5/9,5	4,8/9,7/14,5	5,2/10,3/15,5	5/10/15	0,395	1,65	56	149,9
DAM M 2000 E	2295	4/8/12	6,5/13/19,5	7/14/21	6,5/13/19,5	0,526	2,20	57	194
DAM M 2500 E	2869	5/8/13	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,658	2,75	58	211,6
DAM M 3000 E	3443	6,5/8/14,5	9,3/18,7/28	10,3/20,3/30,5	9,5/19/28,5	0,789	3,30	59	244,7
DAM G 1000 E	1412	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,395	1,65	57	110,2
DAM G 1500 E	1883	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,526	2,20	58	163,1
DAM G 2000 E	2825	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,789	3,30	59	216,1
DAM G 2500 E	3296	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,921	3,85	60	233,7
DAM G 3000 E	3766	6,5/8/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	1,052	4,40	61	266,8
DAM ECG 1000 E	1633	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,381	2,94	61	110,2
DAM ECG 1500 E	2177	6/9,5/15,5	5,3/10,7/16	5,8/11,7/17,5	5,5/11/16,5	0,508	3,92	62	163,1
DAM ECG 2000 E	3266	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,762	5,88	63	216,1
DAM ECG 2500 E	3811	5,5/9/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	0,889	6,86	64	233,7
DAM ECG 3000 E	4355	6,5/8/14,5	9,3/18,7/28	10,2/20,3/30,5	9,5/19/28,5	1,016	7,84	65	266,8

(\*) Under request other electrical heating power can be limited.

**WATER HEATED 208V-1ph~60Hz**

Model	Airflow cfm	P86 (176/140°F)		P64 (140/104°F)		P54 (122/104°F)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight lb
		Water heating capacity kBtu/h	Water pressure drop psi	Water heating capacity kBtu/h	Water pressure drop psi	Water heating capacity kBtu/h	Water pressure drop psi				
DAM M 1000 P	853	28,73	0,11	25,45	0,54	25,08	0,15	0,221	1,07	55	94,8
DAM M 1500 P	1280	44,66	0,09	40,64	0,80	42,24	0,55	0,332	1,61	56	141,1
DAM M 2000 P	1707	64,69	0,24	54,18	0,59	54,9	0,25	0,442	2,14	57	178,6
DAM M 2500 P	2133	84,31	0,47	67,56	0,47	71,59	0,49	0,553	2,68	58	196,2
DAM M 3000 P	2560	104,04	0,82	84,14	0,83	87,62	0,69	0,663	3,21	59	227,1
DAM G 1000 P	1103	33,75	0,15	30,13	0,73	30,23	0,21	0,332	1,61	56	105,8
DAM G 1500 P	1471	48,79	0,11	44,63	0,94	46,75	0,65	0,442	2,14	57	154,3
DAM G 2000 P	2207	76,06	0,32	64,35	0,80	66,2	0,35	0,663	3,21	58	200,6
DAM G 2500 P	2575	94,99	0,59	76,7	0,59	82,13	0,63	0,774	3,75	59	213,8
DAM G 3000 P	2943	113,73	0,96	92,47	0,99	97,04	0,83	0,884	4,28	60	244,7
DAM ECG 1000 P	1501	40,57	0,20	36,61	1,03	37,36	0,30	0,320	2,86	60	105,8
DAM ECG 1500 P	2001	59	0,16	54,49	1,34	58,07	0,96	0,427	3,81	61	154,3
DAM ECG 2000 P	3001	91,68	0,45	78,45	1,14	82,06	0,51	0,640	5,72	62	200,6
DAM ECG 2500 P	3502	114,78	0,82	93,77	0,85	102,02	0,92	0,747	6,67	63	213,8
DAM ECG 3000 P	4002	137,68	1,35	113,15	1,41	120,79	1,22	0,854	7,63	64	244,7

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

P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

(\*) Voltage 208-1ph~60Hz



WATER HEATED 240V-1ph~60Hz

Model	Airflow cfm	P86 (176/140°F)		P64 (140/104°F)		P54 (122/104°F)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight lb
		Water heat- ing capacity kBtu/h	Water pres- sure drop psi	Water heat- ing capacity kBtu/h	Water pres- sure drop psi	Water heat- ing capacity kBtu/h	Water pres- sure drop psi				
DAM M 1000P	971	31,19	0,13	27,71	0,63	27,57	0,18	0,263	1,10	56	94,8
DAM M 1500P	1457	48,49	0,11	44,32	0,93	46,41	0,65	0,395	1,65	57	141,1
DAM M 2000P	1942	70,22	0,28	59,13	0,69	60,36	0,30	0,526	2,20	58	178,6
DAM M 2500P	2428	91,55	0,55	73,77	0,55	78,72	0,58	0,658	2,75	59	196,2
DAM M 3000P	2913	113,01	0,95	91,85	0,97	96,32	0,82	0,789	3,30	60	227,1
DAM G 1000P	1324	37,67	0,18	33,85	0,90	34,33	0,26	0,395	1,65	57	105,8
DAM G 1500P	1766	54,66	0,14	50,29	1,16	53,23	0,82	0,526	2,20	58	154,3
DAM G 2000P	2648	85,03	0,39	72,44	0,99	75,27	0,44	0,789	3,30	59	200,6
DAM G 2500P	3090	106,34	0,72	86,5	0,74	93,53	0,79	0,921	3,85	60	213,8
DAM G 3000P	3531	127,48	1,18	104,34	1,22	110,62	1,04	1,052	4,40	61	244,7
DAM ECG 1000P	1545	41,25	0,21	37,26	1,06	38,11	0,31	0,381	2,94	61	105,8
DAM ECG 1500P	2060	60,02	0,16	55,52	1,39	59,23	0,51	0,508	3,92	62	154,3
DAM ECG 2000P	3090	93,29	0,46	79,91	1,18	83,7	0,53	0,762	5,88	63	200,6
DAM ECG 2500P	3605	116,8	0,85	95,51	0,88	104,1	0,96	0,889	6,86	64	213,8
DAM ECG 3000P	4120	140,14	1,39	115,3	1,46	123,25	1,26	1,016	7,84	65	244,7

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

P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.

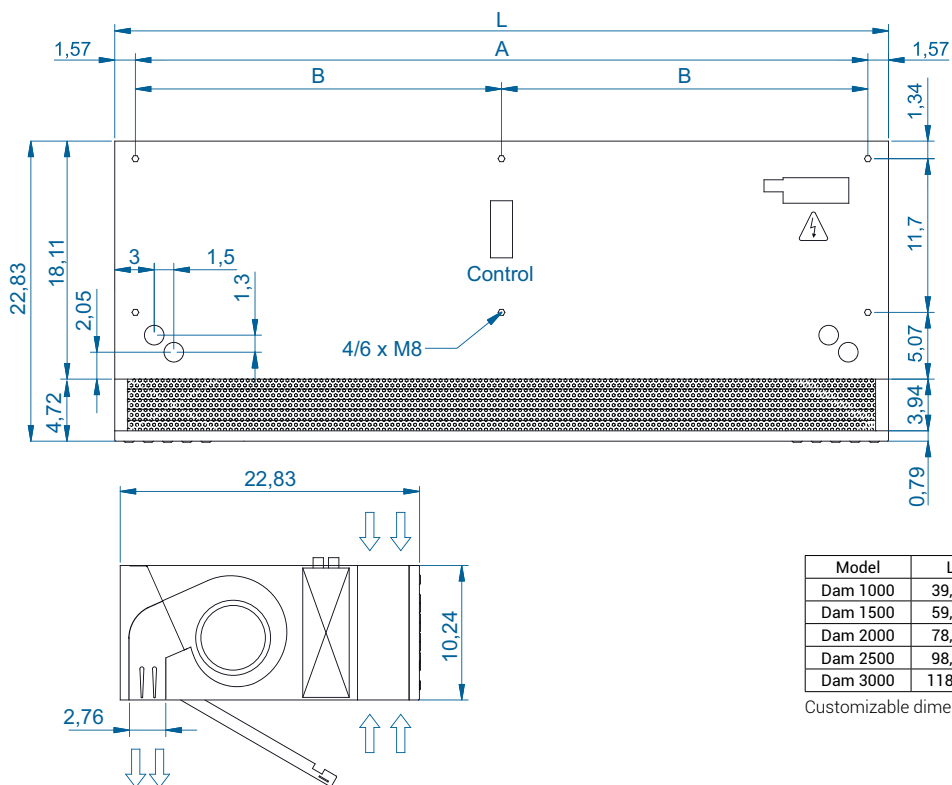
(\*) Voltage 240-1ph~60Hz



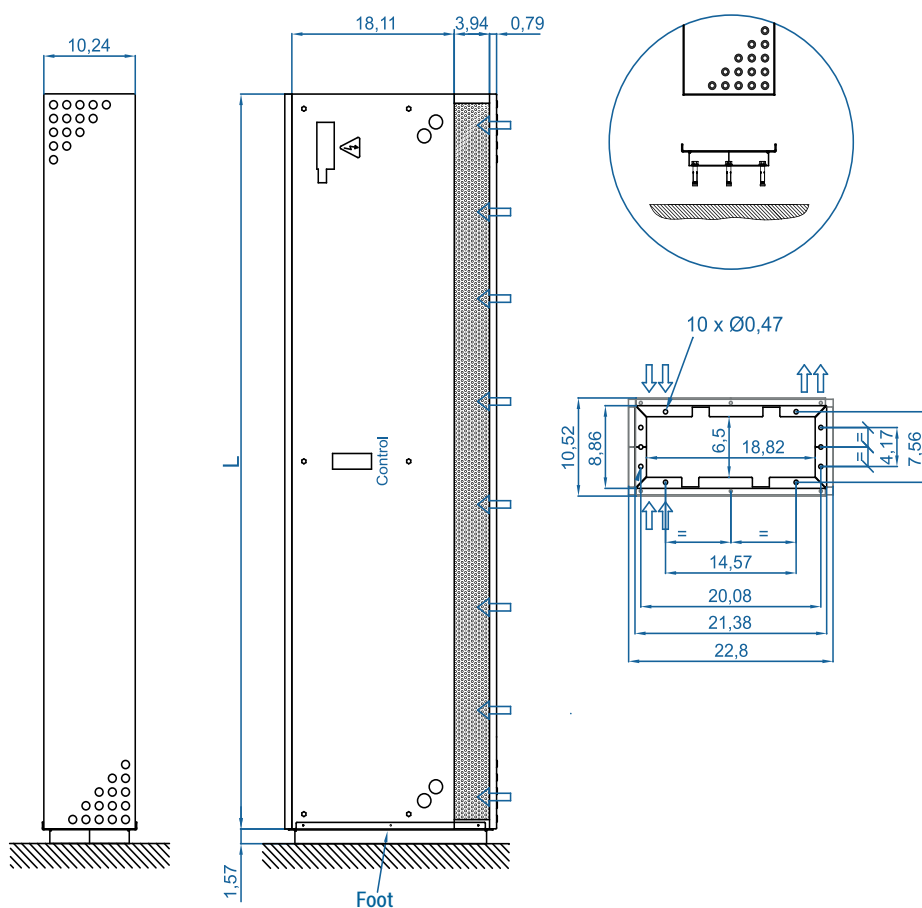
Selection program

## Dimensions

### Horizontal installation



### Vertical installation



CAD drawings, installation manuals  
and other documentation

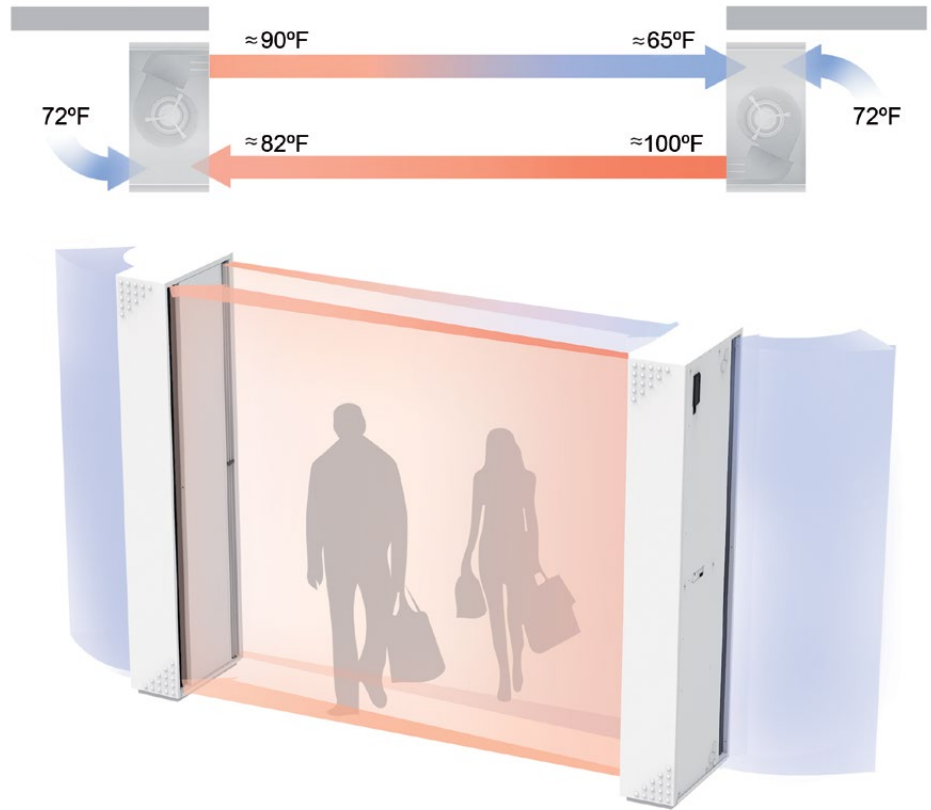


## Dam Twin application

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.



**WATCH VIDEO**

## Optional accessories

### Supports and installation



Wall rail support  
SPWR



Silentblock supports  
SPANG-SIL / SLB



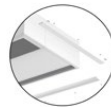
Suspension  
cables  
SPCT



Foot support  
SPF-DAM  
(Galv. / SS)



Joining kit  
SPJ-MG  
(Galv. / SS)



False Ceiling  
Frame Kit

### Control



IR Control  
✓Included



Basic Control  
✓Included



RJ45 Cable  
✓Included



Hand-Auto  
CH-5HW-NE



Interface kit  
IN-NE-II

### Sensors



Magnetic  
door contact MAG-DC  
✓Included



Mechanical  
door contact MEC-DC