



## Technical Features



Range  
**Up to 4,2 m**



Airflow / Length  
**1450 - 7600 m3/h**  
**1 m to 3 m**



Fans  
**Centrifugal**  
**5-speed**



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



Heating capacity  
**E : 2 - 30,5 kW**  
**P : 7,35 - 41,07 kW**



Control  
**Plug&Play manual regulator**  
**+ IR remote control**



Casing  
**Galvanised Steel [\*]**



Grille type  
**Micro-perforated**  
**with prefilter function**



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

RAL 9016  
standard



Other colors  
on request



Stainless  
steel



[\*] 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 7 m 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
	m3/h	208V-1ph~60Hz kW	208V-1h~60Hz A	(5 m) dB(A)	
DAM M 1000 A	1850	0,221	1,07	54	38
DAM M 1500 A	2775	0,332	1,61	55	56
DAM M 2000 A	3700	0,442	2,14	56	70
DAM M 2500 A	4625	0,553	2,68	57	76
DAM M 3000 A	5550	0,663	3,21	58	88
DAM G 1000 A	2325	0,332	1,61	56	42
DAM G 1500 A	3100	0,442	2,14	57	61
DAM G 2000 A	4650	0,663	3,21	58	80
DAM G 2500 A	5425	0,774	3,75	59	86
DAM G 3000 A	6200	0,884	4,28	60	98
DAM ECG 1000 A	2700	0,319	2,79	60	42
DAM ECG 1500 A	3600	0,425	3,72	61	61
DAM ECG 2000 A	5400	0,638	5,58	62	80
DAM ECG 2500 A	6300	0,744	6,51	63	86
DAM ECG 3000 A	7200	0,851	7,44	64	98



❄ UNHEATED 240V-1ph~60Hz

Model	Airflow	Ventilation power 240V-1ph~60Hz	Ventilation current 240V-1ph~60Hz	Noise level (5 m)	Weight
	m3/h	kW	A	dB(A)	kg
DAM M 1000 A	2000	0,263	1,10	55	38
DAM M 1500 A	3000	0,395	1,65	56	56
DAM M 2000 A	4000	0,526	2,20	57	70
DAM M 2500 A	5000	0,658	2,75	58	76
DAM M 3000 A	6000	0,789	3,30	59	88
DAM G 1000 A	2475	0,395	1,65	57	42
DAM G 1500 A	3300	0,526	2,20	58	61
DAM G 2000 A	4950	0,789	3,30	59	80
DAM G 2500 A	5775	0,921	3,85	60	86
DAM G 3000 A	6600	1,052	4,40	61	98
DAM ECG 1000 A	2850	0,381	2,94	61	42
DAM ECG 1500 A	3850	0,508	3,92	62	61
DAM ECG 2000 A	5700	0,762	5,88	63	80
DAM ECG 2500 A	6650	0,889	6,86	64	86
DAM ECG 3000 A	7600	1,016	7,84	65	98

⚡ ELECTRIC HEATED 208V-1ph~60Hz

Model	Airflow m3/h	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 kg
		kW	kW	kW	kW	kW	A	dB(A)	
DAM M 1000 E	1800	2/4/6	2/4,5/6,5	2,5/5/7,5	3,5/3,5/7	0,221	1,07	54	45
DAM M 1500 E	2700	3/6/9	3/6,5/9,5	3,5/7/10,5	5/5/10	0,332	1,61	55	68
DAM M 2000 E	3600	4/8/12	4/8,5/12,5	4,5/9/13,5	6,5/6,5/13	0,442	2,14	56	88
DAM M 2500 E	4500	5/8/13	5/10/15	5,5/11/16,5	8/8/16	0,553	2,68	57	96
DAM M 3000 E	5400	6,5/8/14,5	6/12/18	6,5/13/19,5	9,5/9,5/19	0,663	3,21	58	111
DAM G 1000 E	2250	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	50
DAM G 1500 E	3000	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	74
DAM G 2000 E	4500	5/9/14	5/10,5/15,5	5,5/11/16,5	6,5/8/14,5	0,663	3,21	58	98
DAM G 2500 E	5250	5,5/9/14,5	6/12/18	6,5/13/19,5	8/9,5/17,5	0,774	3,75	59	106
DAM G 3000 E	6000	6,5/8/14,5	6/12/18	6,5/13/19,5	9,5/9,5/19	0,884	4,28	60	121
DAM ECG 1000 E	2700	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,319	2,79	60	50
DAM ECG 1500 E	3600	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	74
DAM ECG 2000 E	5400	5/9/14	8/16,5/24,5	8,8/17,7/26,5	8/16/24	0,638	5,58	62	98
DAM ECG 2500 E	6300	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	106
DAM ECG 3000 E	7200	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	121

(\*) 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 m3/h	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 kg
		kW	kW	kW	kW	kW	A		
DAM M 1000 E	1950	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	45
DAM M 1500 E	2925	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	68
DAM M 2000 E	3900	4/8/12	6,5/13/19,5	7/14/21	6,5/13/19,5	0,526	2,20	57	88
DAM M 2500 E	4875	5/8/13	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,658	2,75	58	96
DAM M 3000 E	5850	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	111
DAM G 1000 E	2400	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,395	1,65	57	50
DAM G 1500 E	3200	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	74
DAM G 2000 E	4800	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,789	3,30	59	98
DAM G 2500 E	5600	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	106
DAM G 3000 E	6400	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	121
DAM ECG 1000 E	2775	4/8/12	4/8/12	4,3/8,7/13	4/8/12	0,381	2,94	61	50
DAM ECG 1500 E	3700	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	74
DAM ECG 2000 E	5550	5/9/14	8,2/16,3/24,5	8,8/17,7/26,5	8/16/24	0,762	5,88	63	98
DAM ECG 2500 E	6475	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	106
DAM ECG 3000 E	7400	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	121

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

WATER HEATED 208V-1ph~60Hz

Model	Airflow m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa	Water heating capacity kW	Water pressure drop Pa				
DAM M 1000 P	1450	8,42	760	7,46	3730	7,35	1030	0,221	1,07	55	43
DAM M 1500 P	2175	13,09	650	11,91	5510	12,38	3770	0,332	1,61	56	64
DAM M 2000 P	2900	18,96	1660	15,88	4070	16,09	1720	0,442	2,14	57	81
DAM M 2500 P	3625	24,71	3270	19,8	3270	20,98	3390	0,553	2,68	58	89
DAM M 3000 P	4350	30,49	5660	24,66	5750	25,68	4750	0,663	3,21	59	103
DAM G 1000 P	1875	9,89	1010	8,83	5040	8,86	1430	0,332	1,61	56	48
DAM G 1500 P	2500	14,3	770	13,08	6490	13,7	4510	0,442	2,14	57	70
DAM G 2000 P	3750	22,29	2210	18,86	5530	19,4	2410	0,663	3,21	58	91
DAM G 2500 P	4375	27,84	4040	22,48	4100	24,07	4330	0,774	3,75	59	97
DAM G 3000 P	5000	33,33	6620	27,1	6800	28,44	5690	0,884	4,28	60	111
DAM ECG 1000 P	2550	11,89	1400	10,73	7110	10,95	2090	0,320	2,86	60	48
DAM ECG 1500 P	3400	17,02	6630	26,87	3080	22,99	7850	0,427	3,81	61	70
DAM ECG 2000 P	5100	24,05	3530	33,64	5650	27,48	5840	0,640	5,72	62	91
DAM ECG 2500 P	5950	33,64	5650	27,48	5840	29,9	6370	0,747	6,67	63	97
DAM ECG 3000 P	6800	40,35	9300	33,16	9720	35,40	8400	0,854	7,63	64	111

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 m3/h	P86 (80/60°C)		P64 (60/40°C)		P54 (50/40°C)		Ventilation power (*) kW	Ventilation current (*) A	Noise level (5 m) dB(A)	Weight kg
		Water heat- ing capacity kW	Water pres- sure drop Pa	Water heat- ing capacity kW	Water pres- sure drop Pa	Water heat- ing capacity kW	Water pres- sure drop Pa				
		DAM M 1000P	1650	9,14	880	8,12	4340				
DAM M 1500P	2475	14,21	760	12,99	6420	13,60	4450	0,395	1,65	57	64
DAM M 2000P	3300	20,58	1920	17,33	4750	17,69	2040	0,526	2,20	58	81
DAM M 2500P	4125	26,83	3790	21,62	3820	23,07	4010	0,658	2,75	59	89
DAM M 3000P	4950	33,12	6550	26,92	6720	28,23	5602	0,789	3,30	60	103
DAM G 1000P	2250	11,04	1230	9,92	6190	10,06	1800	0,395	1,65	57	48
DAM G 1500P	3000	16,02	940	14,74	8020	15,60	5680	0,526	2,20	58	70
DAM G 2000P	4500	24,92	2700	21,23	6820	22,06	3030	0,789	3,30	59	91
DAM G 2500P	5250	31,17	4940	25,35	5070	27,41	5450	0,921	3,85	60	97
DAM G 3000P	6000	37,36	8110	30,58	8420	32,42	7190	1,052	4,40	61	111
DAM ECG 1000P	2625	12,09	1450	10,92	7340	11,17	2160	0,381	2,94	61	48
DAM ECG 1500P	3500	17,59	1110	16,27	9550	17,36	3500	0,508	3,92	62	70
DAM ECG 2000P	5250	27,34	3180	23,42	8110	24,53	3660	0,762	5,88	63	91
DAM ECG 2500P	6125	34,23	5830	27,99	6040	30,51	6600	0,889	6,86	64	97
DAM ECG 3000P	7000	41,07	9590	33,79	10040	36,12	8710	1,016	7,84	65	111

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.

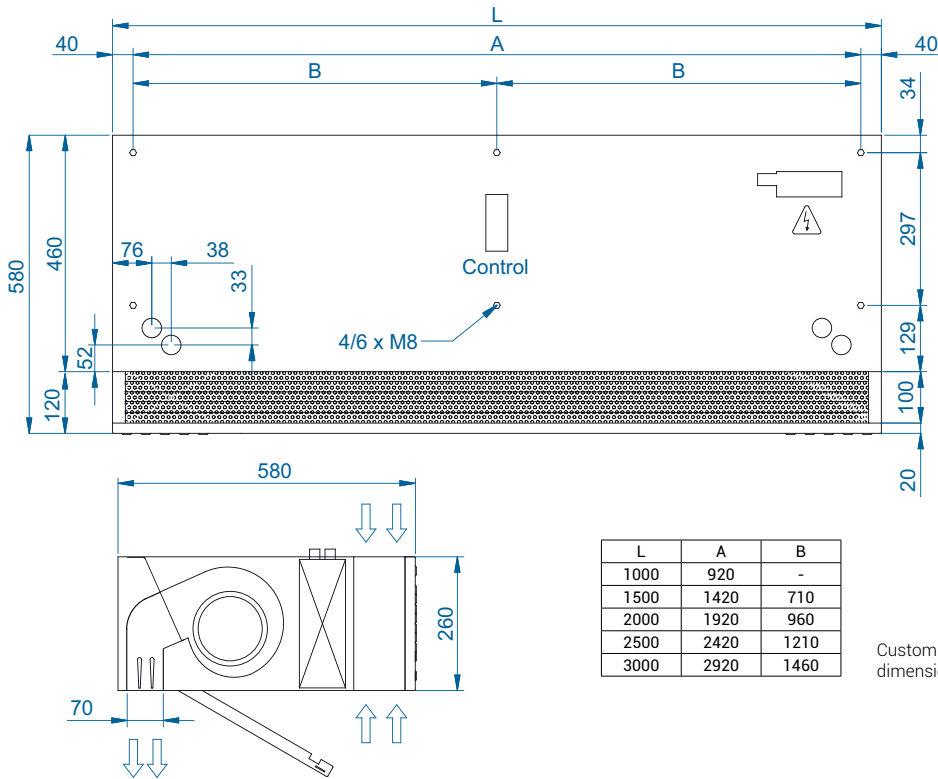
(\*) Voltage 240-1ph~60Hz



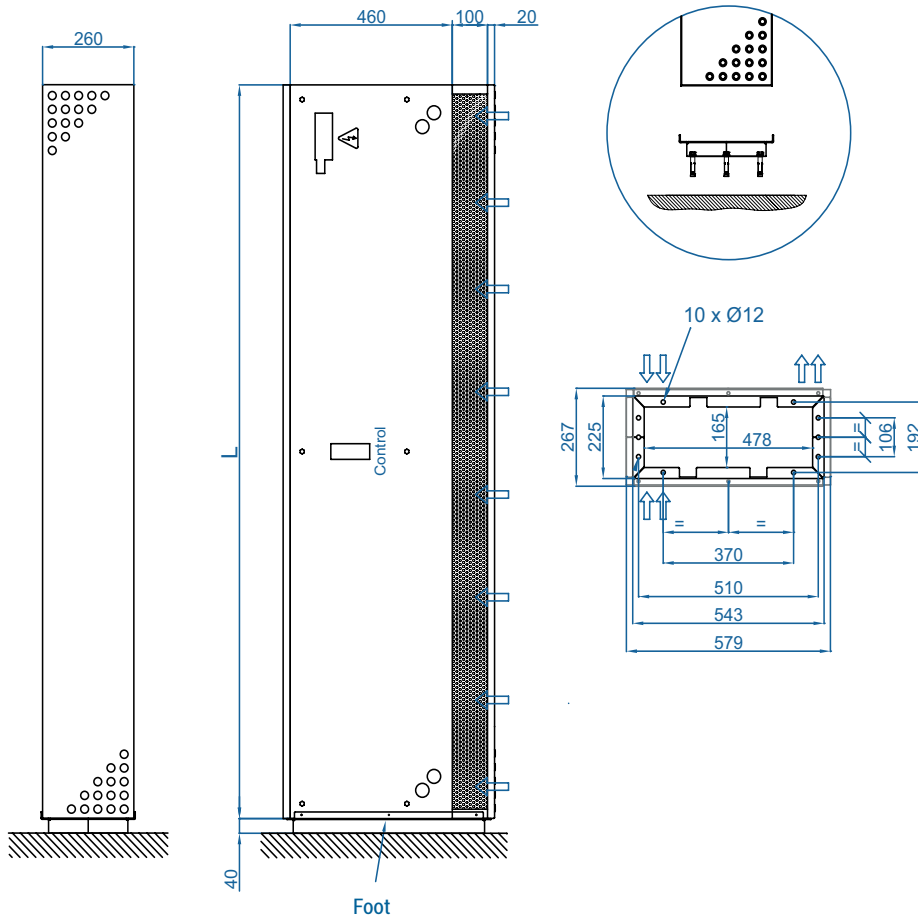
Selection program

# Dimensions

## Horizontal installation



## Vertical installation



CAD drawings, installation manuals  
and other documentation

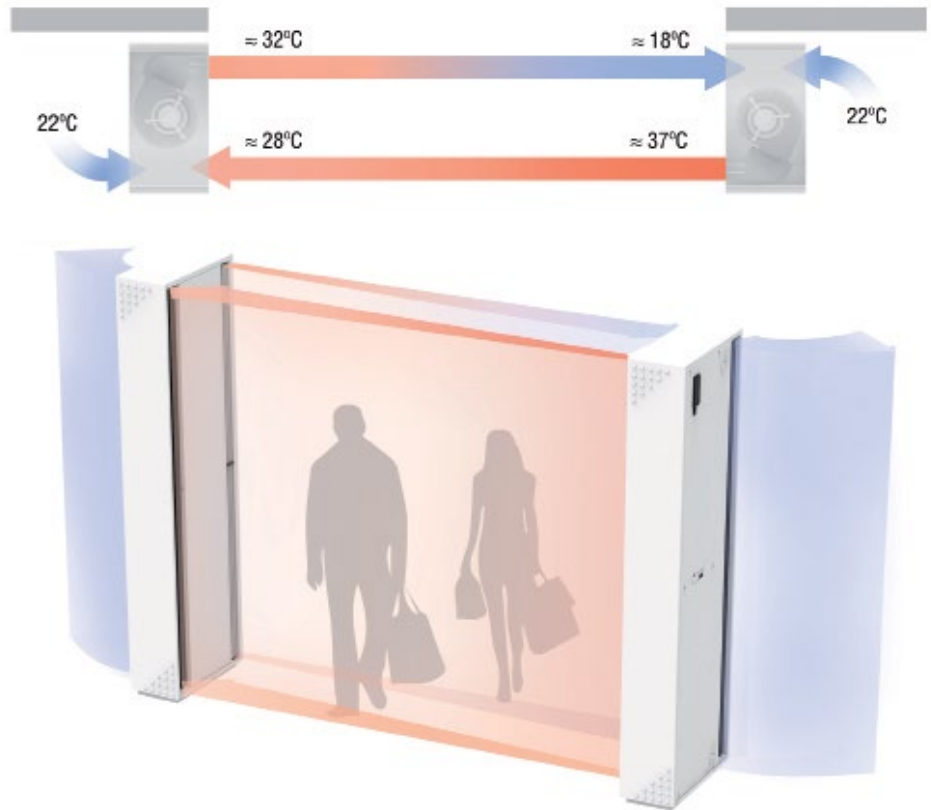


## Dam Twin application

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



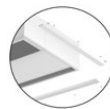
Suspension  
cables  
SPCT



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