

Fans

More silent, More efficient, More economic



© Copyright. All rights reserved.

PLYMOVENT CORP

375 Raritan Center Parkway,
Edison, New Jersey 08837, USA
Tel: (732) 417 0808 Fax: (732) 417 1818
www.plymovent.com, info@plymoventusa.com

PLYMOVENT CANADA INC.

6615 Ordan Drive, Unit # 3,
Mississauga, Ontario L5T 1X2, Canada.
Tel. (905) 564 4748, Fax (905) 564 4609
www.plymovent.com, info@plymovent.ca

PLYMOVENT[®]

- an ISO 9001 certified manufacturer

PlymoVent's new fan generation is equipped with completely new impellers, suited to exhaust gases, volatile fumes and dust.

As an extra precaution the impellers are made of non-sparking aluminium. Matched inlet and outlet areas provide, together with the new im-pellers, an even air flow, higher capacity and lower noise level.

An entirely new fan generation!

Nine unequalled models

Nine models, all equipped with the new impellers, provide new possibilities for the extraction technology.

Available for direct mounting on extraction arm or for central connection to several ex-tractors.

The most important factor

A powerful fan with an even air flow is a necessary condition of an efficiently working installation. PlymoVent's new fans fulfil all demands that can be made on industrial fans. Lowest possible noise level is combined with highest possible air flow at lowest power consumption.

The fans from PlymoVent are simply unequalled on the market!

- The lowest noise level on the market
- Non-sparking impellers as an extra precaution if extracting flammable gases
- Identical diameter of inlet and outlet provides a continuous air flow. Reduces the air resistance and the noise level
- Housing constructed in 0,059 inch sheet metal, finished in impact resistant enamel
- The models 1300 thru 2100 are equipped with a protective grill at both the inlet and the outlet as standard
- Low power consumption
- Long working life
- Entirely new impellar specially designed for welding fumes, vehicle exhaust gases and dust.



PlymoVent's extraction fan, FUK-2100, mounted on extraction arm. Here equipped with non-return damper.



M-1000. Control unit for central fan in systems with several extractors.

ASE-12. Fully automatic motorized damper 6.25" diam. with built-in controller.



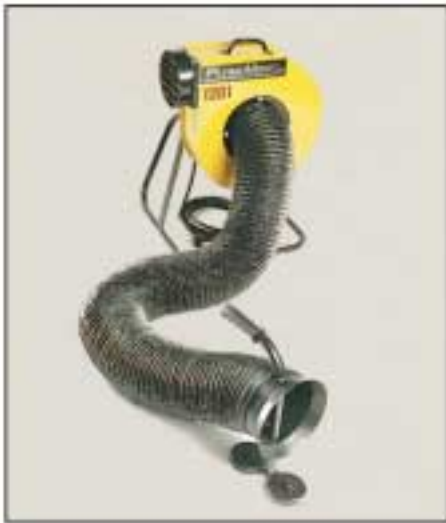
Control equipment for automatic control of fans, dampers and other equipment is an important part of PlymoVent's comprehensive solutions.

Lower energy costs with control equipment

The highest value extractors on the market combined with the most efficient fans managed by advanced control equipment resulting in unparalleled efficiency and superior economy. By using this equipment productivity rises and energy costs are reduced.

Low power consumption from the beginning and possibilities of connecting PlymoVent's control equipment for energy-saving considerably reduce the energy costs. The saving is accomplished by the auto-controller utilising the performance of the fan to its maximum when it is really required.





Portable fan.

Easy to carry with well-balanced handle. The robust hood with rubber-covered handle is easy to place close to the source of pollution. Stands steadily on two solid magnetic feet.

Technical data.

Portable fan BSFM-1301

Fan motor: 0.5 Hp, 110 V 1-phase
 Air volume: 825 CFM free blowing
 Noise level: < 70 dB(A)
 Hose: 6.25" dia./6 ft PVC-coated woven glass. Flame-proof.

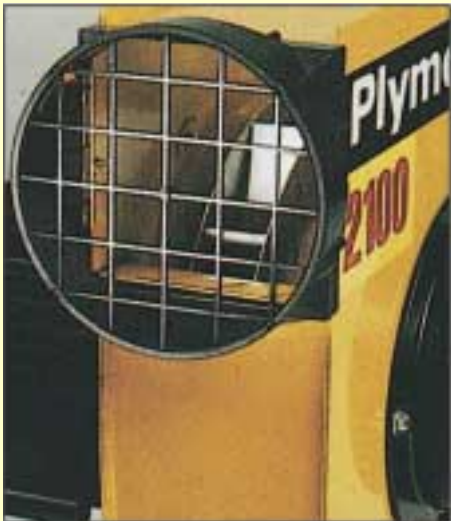
The fan is equipped with floor support and handle.

Portable fan BSFM-2101

Fan motor: 1 Hp, 110 V 1-phase
 Air volume: 1300 CFM free blowing
 Other data as BSFM-1301.



PlymoVent's newly designed universal fan support, FA, provides a wide selection of mounting possibilities.



Impellers of new design, which can produce a higher pressure at a lower power consumption, make the fans well adapted to demanding fume extraction.



Mobile Fume Extractor.

PlymoVent's smooth-running mobile fan is the perfect solution to environment problems at building sites or where you constantly change working position.

Technical data.

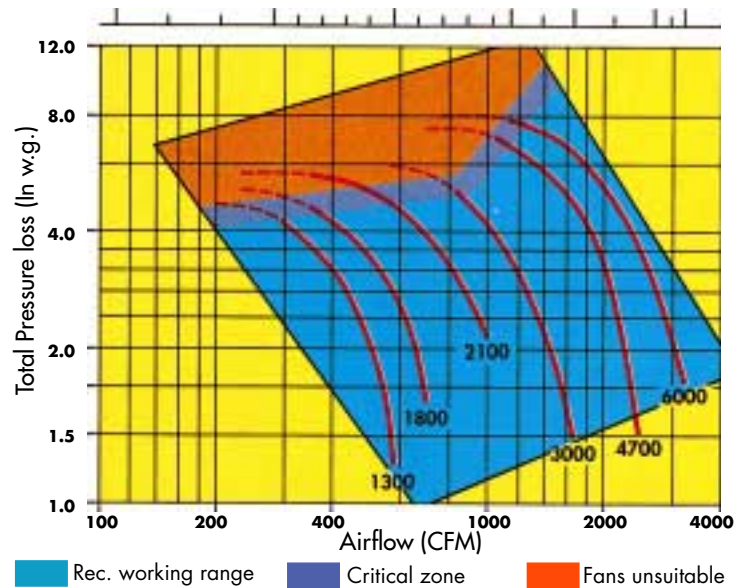
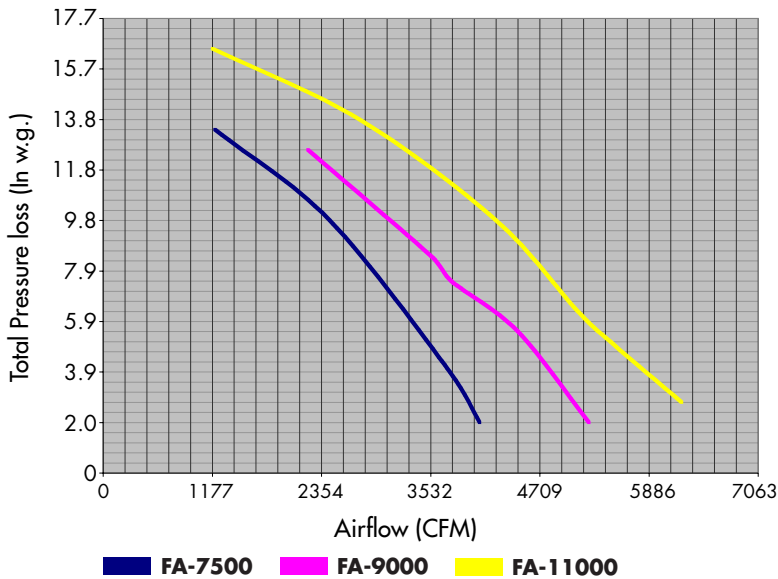
Mobile Fume Extractor with fan MEF

Fan motor: 0.5 Hp, 110 V 1-phase
 Air volume: 825 CFM free blowing
 Noise level: < 70 dB(A)
 Extractor: KUA-2 arm with a working radius of 7 ft.



ESSENTIAL FACTS

Pressure loss chart for fans FS, FUA, FUK, and FA



Extractors type	No of extractors	FS/FUK/FUA/	FS/FUK/FUA/	FS/FUK/FUA/	FS/FUK/FUA/	FS/FUK/FUA/	FA	No of extractors	FA	FA	FA	
		1300/1301	1800	2100/2101	3000	(FA) 4700	6000		7500	9000	11000	
		CFM	CFM	CFM	CFM	CFM	CFM			CFM	CFM	CFM
KUA-2 page 18-21	1	590	740	825				6	590			
	2		350	380	765			7	500	630	775	
	3				500	765	1030	8		555	677	
	4					560	765	9		490	600	
	5						620	10			542	
KUA-3-4 page 18-21	1	560	700	765				6				
	2		325	350	700			7	590	630	775	
	3				440	700	945	8		555	677	
	4					530	700	9		490	600	
	5						560	10			542	
Junior page 28-29	1	530	700	765				6	590			
	2		325	350	675			7	500	630	775	
	3				440	700	945	8		555	677	
	4					530	700	9		490	600	
	5						560	10			542	
Flex-Max page 30-33	1		440	590				6	590			
	2				620			7	500	630	775	
	3				380	590	795	8		555	677	
	4					380	590	9		490	600	
	5						470	10			542	
Extractor Crane page 34-37	1	500	590	700				6	590	735		
	2		295	325	650			7	500	630	775	
	3				440	650	855	8		555	677	
	4					500	620	9		490	600	
	5						500	10			542	
Free blowing capacity		825	1060	1300	2000	2840	3540		4400	5300	6475	
Motoroutput kW/Hp		0,37/0,5	0,55/0,75	0,75/1,0	1,1/1,5	2,2/3,0	4,0/5					
Voltage V		3~,208/230/ 460/575	3~,208/230/ 460/575	3~,208/230/ 460/575	3~,208/230/ 460/575	3~,208/230/ 460/575	3~,208/230/ 460/575		3~,208/230/ 460/575	3~,208/230/ 460/575	3~,208/230/ 460/575	
Noise level dBA fan house		1~, 115/230	1~, 115/230	1~, 115/230								
Noise level dBA Inlet		63	63,8	65,9	68,1	75,9	74,8					
Noise level dBA Outlet		69	69,1	68,6	75,8	76,1	81,2					
Motor speed rpm		72,7	72,7	76,4	81,6	81,6	86,6					
Motor speed rpm		3450	3450	3450	3450	3450	3450					

FS: Fan mounted on tubular support. For freestanding or wall mounting.
FUK: Fan mounted on angled support. For direct mounting on Extractor crane and Flex-Max.

FUA: Fan without support. For direct mounting on LM, KUA, as well as for EF- and EFO-filters.
FA: Fan with universal support.

* Estimated number of fume extractors at a total of 6" w.g. NOTE! Pressure loss calculation should always be made.

Recommended fans