



## Axial impellers G-system

Thanks to many years of experience in developing and manufacturing impellers for the Multifan fans, Vostermans Ventilation has obtained a thorough knowledge of everything related to axial impellers. It is obvious that one of the most important fan components - the impeller - is paid full attention to. As a result, Multifan impellers are of the highest quality and are employed in a wide range of applications.

### G-system

With the G-system, the hub and blade are manufactured with 2 notches and has a larger base than the K-system. During assembly of the blades in the hub, an adjusting ring (positioning ring) is placed between the hub and the blade, which determines the blade angle.

These positioning rings can be supplied from 25° - 45°. The advantage is that only one blade type has to be kept in stock, which can supply every required angle with different positioning rings.



### Blade profiles



#### Type 2

Small and slim profile for the smaller diameters from 200 to 450 mm. This profile is mainly used for 1400 RPM and 2800 RPM motors. Due to a flat outer curve the range of application is broad. This type is also available in clockwise and counter-clockwise turning versions consisting of different materials polypropylene (PP), polypropylen with fibre glass (PG) and nylon (N).



#### Type 3

The most-sold profile for applications with diameters from 200 to 710 mm. This blade type is mainly used for 1400 RPM units but also provides excellent properties at 900 RPM. Thanks to its properties and good values with regard to pressure and efficiency, the range of application is very broad. Type 3 is available in different materials. It is also available in clockwise and counter-clockwise turning version.



#### Type 4

The blade profile is specially developed for diameters from 300 to 820 mm and small shaft diameters. Blade profile type 4 is manufactured in left execution only.



#### Type 5

This profile is meant for impellers from 300 mm to 820 mm and high air capacities. Blade profile type 5 is manufactured in left execution only and in aluminium execution.

#### Type 8

This profile is meant for diameters from 300 mm to 1079 mm and high air capacities. Blade profile type 8 is manufactured in both clockwise and counter-clockwise turning version.

## Technical information

Diameter of the nave	Max. number of blades	Material of the nave	Material blade	Max. hub length	Diameter drill hole		Max. diameter impeller per blade type in mm.										Number of blades
					Min	Max	2		3		4		5		8		
							L*	R*	L*	R*	L*	R*	L*	R*	L*	R*	
170	5	Plastic	PP/PG/N	62	12	44	492	489	608	603	703	-	713	-	963	963	2/3/6
170	6	Plastic	PP/PG/N	62	12	44	492	489	608	603	703	-	713	-	963	963	2/3/6
170	8	Plastic	PP/PG/N	62	12	44	492	489	608	603	703	-	713	-	963	963	2/4/8
280	12	Aluminum	PP/PG/N	52	11	44	608	605	724	719	819	-	829	-	1079	1079	2/4/8

Tolerance on maximum diameter approximately 3mm.

L = Left-turning (counter-clockwise) (blowing)

R = Right-tuning (clockwise) (blowing)

PP = polypropylene

PG = polypropylene fiberglass

N = nylon

