Chemical Resistance Fan

Corrosion resistant poplypropylene fans

Durability
Single piece high density polypropylene molded casing, more durable.

Corrosion resistance
All parts made of UV treated chemical resistant polypropylene (PP).

Ease of installation
Compact design & low carrying weight, round standard inlet/outlet, no need for transitions.

Cost effectiveness
Lasts much longer than metal fans with coatings.

Airflow monitors & controllers

- **EN 14175 & RoHS compliant**
- **Accurate**
- **Easy to use and install**
- **Short response time**

Summary

History

1968 : Creation of SEAT by Mr. Bernard Chapel, father of current CEO. The family owned business is located in Montfermeil, a close suburb of Paris. The company specialises in the field of plastic boiler making including plastic fans, fume hoods etc.

1986 : SEAT starts venturing out of France and makes its export debut on the Belgian market.

1988 : Launch of the new and existing range of PP centrifugal called "SEAT Series".
The unique and colourful design is quickly a hit on domestic and foreign markets.

1995 : SEAT adds the "JET Series" inline fans to its range of PP fans.

1996 : Creation of "Seplast", subsidiary of SEAT in the Czech Republic.

1997 : The "SEAT Control" airflow monitor for fume cupboard is born. This equipment quickly becomes the monitor and control of choice of French laboratory furniture makers and installers.
Creation of "Thermoseat", subsiduary of SEAT in Hungary

1998 : Introduction of "STORM" Series fans for application requiring higher pressure.

1999 : Creation of "Plastec" the US subsidiary of SEAT covering the Americas.
Originally located in the Philadelphia area, it has since then been moved to Bradenton, Florida.

2005 : SEAT is relocating offices and factory in Verniolle, located an hour South of Toulouse nearby the Pyrenees Mountains. The brand new factory and offices are built from the ground up to accomodate fast growth on domestic and international markets.

About us

Our expertise

With over 35 years of experience in the field of laboratory fume extraction systems, SEAT Ventilation SA has become one of the few leading manufacturers of corrosion-resistant polypropylene fans.

Our products

- Corrosion-resistant polypropylene **fans and blowers**.
- **Airflow monitors** and controls for laboratory fume cupboards.

Areas of application

- Laboratories
- Chimical industry
- Water treatment plants
- Hospitals
- Electroplating
- College and universities

Our values

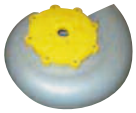
- **Competence:** you can count on our team of ventilation specialists to help you select the most adapted equipment for your needs and budget.
- **Customer care:** we are committed to respond to your enquiries within 48 hours thanks to our dedicated multilingual staff. Orders, unless exceptionally large ones, are usually processed within a week.
- **Competitiveness:** we invest a very substantial amount of our annual revenues into new tooling to offer you the highest quality at the most competitive price.
- **Innovation:** our products are well known for their unique design and features. We strive to improve our existing range as well as putting new equipment on the market that truly fits the global market needs.

SEAT Series

Specifications

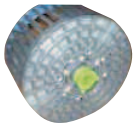


Housings: PP



Single block strong high density UV treated and recyclable polypropylene (PPH) with no welded joint. Reversible and rotable to any the 8 standard discharge positions by 45° increments. All fan mounting hardware in stainless steel.

Wheels: PP



Forward curved centrifugal type impeller made, of injection molded PPH. Fan wheel supplied with hub cap constructed of PPH. Wheels electronically and dynamically balanced to ISO 1940.

Motors

Direct drive, asynchronous, single or three phase, IP55. Single speed: three phase 230/400 V-50/60Hz, single phase 230V-50Hz. Explosion proof motors available on request. Motor is outside the airstream. Three phase motors speed adjustable by variable frequency inverter drive.

Motor Support


(1)

(2)

(3)

Several options: no stand, metal stand constructed of epoxy coated sheet metal[1], polypropylene motor pedestal[2] or roof unit kit[3].

ATEX

SEAT Series Fans are also available in ATEX Zone II, known outside Europe as explosion proof, category 3 G execution in accordance with ATEX directive 94/9/CE. ATEX declaration of conformity available on our web site www.seat-ventilation.com.

Temperature resistance

PPH casing and wheel recommended up to 80°C.

Performance

Fan performance based on tests conducted in accordance with AMCA 210-85 and ISO 5801.

Warranty

SEAT VENTILATION warrants its equipment to be free from defects in workmanship and material under normal use and service for one year after shipment. Warranty is void if damage results from improper wiring or installation.

Electrical data and weight*

	RPM (T/min)	(kW)	(V)	AMP draw (A)	Weight (Kgs)
Single phase					
SEAT 15	1500	0,25	230	2,5	8,00
	3000	0,37	230	3,1	8,50
SEAT 20	1500	0,25	230	2,5	8,70
	3000	0,75	230	5,4	14,40
SEAT 25	1500	0,37	230	3,1	12,10
SEAT 30	1500	1,50	230	9,7	22,60

Three Phase					
SEAT 15	1000	0,18	230/400	1,5/0,85	6,00
	1500	0,25	230/400	1,3/0,75	11,30
	3000	0,37	230/400	1,7/1,00	10,20
SEAT 20	1000	0,18	230/400	1,5/0,85	9,70
	1500	0,25	230/400	1,3/0,75	12,00
	3000	0,75	230/400	3,2/1,9	13,20
	3000	1,10	230/400	4,7/2,7	15,70
SEAT 25	1000	0,18	230/400	1,5/0,85	11,10
	1000	0,55	230/400	3/1,8	19,50
	1500	0,37	230/400	2,1/1,2	12,10
	3000	1,50	230/400	5,9/3,4	19,90
	3000	2,20	230/400	8,8/5,1	20,90
	3000	3,00	230/400	10/3,6	25,70
SEAT 30	1500	1,50	230/400	6,4/3,7	27,15
SEAT 35	1000	2,20	230/400	9,6/5,5	46,00
	1500	5,50	230/400	20,8/11,9	50,00
	1500	7,50	230/400	26,7/15,4	68,00

ATEX					
SEAT 15 ATEX	1500	0,18	230/400	0,97/0,56	11,30
	3000	0,37	230/400	1,64/0,95	10,20
SEAT 20 ATEX	1500	0,18	230/400	0,97/0,56	9,70
	3000	0,75	230/400	3,3/1,9	13,20
SEAT 25 ATEX	1500	0,37	230/400	1,7/1,1	12,10
	3000	2,20	230/400	8/4,6	36,00
SEAT 30 ATEX	1500	1,10	230/400	4,4/2,55	27,15
SEAT 35 ATEX	1000	2,20	230/400	10/5,7	46,00
	1500	5,50	230/400	19,2/11	50,00

Assembly drawings