



Operation and Maintenance Guide



P V F -300

P V F -400

Models	Descriptions	IMPA Number
PVF-300	Pneumatic Ventilation Fan, ø300	59 14 25
PVF-400	Pneumatic Ventilation Fan, ø400	59 14 26

Read this manual carefully before installing, operating or servicing this equipment. It's the responsibility of the employer to ensure this manual is read by the operator. Please preserve this manual.

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Introduction

Teryair Air Powered Ventilating Fans are compressed air driven ventilators that can be used with or without a duct in hazardous areas such as cooling tanks or hatches. They provide ventilation of gas, paint fumes and other hazardous fumes. Ducting tubes sold separately.

Technical Data

Product Reference	PVF-300	PVF-400
<i>Casing Diameter</i>	ø300mm	ø400mm
<i>Inlet Air supply</i>	6 kg/cm ²	6 kg/cm ²
<i>Capacity</i>	3566 M ³ /hr	8665 M ³ /hr
<i>R.P.M.</i>	3000	3600
<i>Weight</i>	9 kgs	17 kgs

Safety Instructions

- Shut off the air supply urgently when any abnormalities occur in operation .
- It's absolutely prohibited to insert finger or thin bar to the safety grille guard for avoiding being injured or damaging the appliance .
- Young children should be supervised to ensure that don't play with the equipment.

Air Supply

- Fan should not be operated at air supply pressure below 5.5 Bar (80PSI) and above 6.9 Bar (100 PSI).The Correct operating pressure is 6.2 Bar (90 PSI). A FRL unit is already fitted on the casing with quick connect coupler.

Daily Before Operation

- Always check the oil level of lubricator and top up with recommended lubricants (See below). Set inlet air pressure on FRL unit.

Operation

- Turn on/off the lever of ball valve to make the unit run/stop.
- Running the air-ventilation fan can exhaust odors and steam in a quick and efficient way.
- The PVF series air-ventilation fan can be widely used in underground cable maintenance, shipping marking, fire fighting piping construction, oil machinery, chemical machinery, medicine machinery and other hazardous situation for ventilation.

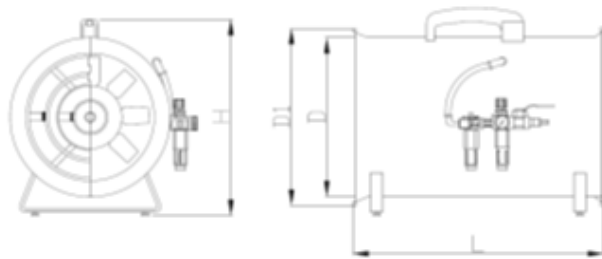
Maintenance

- Disconnect air supply before cleaning or maintenance.
- Wipe casing and impeller with care using a soft cloth soaked with water or neutral detergent
- Lubricate axles after approx 1000 hours of running.

Troubleshooting

Sr. No	Description	Above 27oC / 80oF	5oC to 27oC / 41oF to 80oF	Below 5oC / 80oF
1	SHELL	Toona R.72	Toona R.41	Toona R.27
2	MOBIL	Almo 529	Almo 527	Almo 525
3	ESSO	--	Arox EP.65	Arox EP.45
4	CALTEX	Rando Oil 100	Rando Oil 100	Rando Oil 46

Dimensional Data



Model covered

Model Number	L	D1	D	H
PVF-300	380	340	305	410
PVF-400	450	470	405	510

EU DECLARATION OF CONFORMITY

We hereby certify that the Listed Product stipulated below comply with all relevant provisions of the machinery directive (2006/42/EC) and the national laws and regulations adopting this directive.

Description : **Pneumatic Portable Ventilation Fan**

Model Number : **PVF Sereis**

Is in conformity with the provisions of the following European Directives: (2006/42/EC) Machinery Safety and Harmonized standards

ISO 12100-1: 2010: Safety of Machinery –general Principles for Design –Risk Assessment and Risk Reduction.

Registered Office : 416 Gundecha Industrial Complex, Akuril Road,
Kandivali East, Mumbai – 400101, Maharashtra, India.

Web site : www.teryair.com

Works : A-1, Tirupati Udyog Nagar, Sativali Road, Vasai East,
Palghar – 401208, Maharashtra, India.

CE certification registration no – C E 16831

Issued by – BMQR Certifications Pvt Ltd.
www.cemarking-india.com

Valid Till – 03/11/2025

Signed for and on behalf of

TERYAIR EQUIPMENT PVT. LTD.



Place of Issue : Vasai



Warranty Certificate

Every product manufactured by Teryair
is built to meet the highest standards of quality.

Teryair warrants that the Products, accessories and parts manufactured or supplied by the company be free from defects in material and workmanship for a period of six months from date of Teryair authorized dealer invoice to customer, or one year from date of Teryair invoice to dealer, whichever is earlier. Failure due to normal wear, misapplication, or abuse is, of course, excluded from this warranty.

Since the use of Teryair products and parts is beyond our control, Teryair cannot guarantee the suitability of any product or part for a particular application and Teryair shall not be liable for any consequential damage or expense arising from the use or misuse of its products on any application. Teryair does not warranty bought out products or components such as electric motors and hardware but will assist in directing warranty queries to the dealer/manufacturer responsible. Teryair responsibility is limited solely to replacement or repair of defective Teryair products or components.

Dealer/End User shall have no right or remedy and Teryair shall have no liability or obligation under the warranty, if: (i) a Product is altered, changed, modified or tampered with in any way; (ii) a Product is damaged after deposit with the transporter for shipment; (iii) a Product is not properly preserved, packaged, stored, processed or handled after receipt; (iv) a Product is not used and maintained in accordance with Teryair's recommended operating and maintenance manuals, instructions and procedures, if any; (v) a Product is not properly incorporated or installed in, or not properly combined with, an Other Product; (vi) the issue with a Product is directly or indirectly attributable to, or directly or indirectly results from or arises out of, a failure, substandard performance or other issue with another product, material, component or part not supplied by Teryair; (vii) the issue with a Product is directly or indirectly attributable to, or directly or indirectly results from or arises out of, compliance with any design, specification or other specific requirement of Dealer/End User; (viii) a Product is used in a manner, with a substance or for a purpose other than the normal manner, substance and purpose for which it is intended or is otherwise subjected to abnormal use or service; (ix) a Product is subjected to a power surge, brown out or other similar occurrence; (x) the issue with a Product is directly or indirectly attributable to, or directly or indirectly results from or arises out of, normal wear and tear of such Product (including, without limitation, things such as worn seals, diaphragms, balls, O rings, gaskets, chisels, cutters, hoses and other such wearing components); (xi) the issue with a Product is directly or indirectly.

Model Number : PVF Series

M Yadav, Q.A. Manager
(Company Seal)

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