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VALUE FOR MONEY

ALUMINIUM PUMPS

Aluminium Pumps are lightweight and easy to move about.

These aluminium constructed pumps are commonly combined with Neoprene, Nitile or Santoprene elastomers.
With these elastomers they are ideal for pumping of water and water based fluids, non agressive fluids, oily fluids and fluids having low acidic or alkali concentrations
Aluminium Pumps offer a relatively low cost solution to many pumping applications.
For this purpose the main industries that choose Aluminium pumps are;
Paints, Marine, Mining, Ceramic and Waste Water/Pollution mangement.

AIR OPERATED DIAPHRAGM PUMP

These aluminium constructed pumps are commonly combined with Neoprene, Nitrile, Santoprene, Hytrel, Viton or PTFE Elastomers. With these elastomers they are ideal for pumping of water and water-based fluids, non-aggressive fluids, oily fluids and fluids having low acidic or alkali concentrations
Aluminium Pumps offer a relatively low-cost solution to many pumping applications.
For this purpose, the main industries that choose Aluminium pumps are Paints, Marine, Mining, Ceramic and Wastewater/Pollution management.

Diaphragm Options 'X'

Neoprene
Nitrile
Santoprene
Hytrel
Viton
PTFE

Approvals and Certifications

All Teryair metal pumps are CE marked and manufactured under an ISO 9001:2015 Quality system - SGS. Teryair metal pumps explosion proof Certification (ATEX) is under application and expected Jan 2021

Versatility

This pump handles Viscous fluids, Slurries, Solid laden fluids, Shear Sensitive fluids very well.
No Priming needed
No Foaming of fluid pumped
No Stall damages
Portable
Submerged operation capable

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Technical Data

Nominal Size	Model Number	Maximum Discharge, Litres/min (gpm)	Suction Head Dry, mtrs (feet)	Suction Head Wet, mtrs (feet)	Pump Weight, Kgs (Lbs)	Maximum Solid Handling Dia, mm (inches)	Air Distribution system	Bolted or Clamped	Performance graphs, see page Number
1/4”	SDP 06 AL N/B/S/H/V*	18(4.8)	3.3(10.8)	9(30)	1.9(4.2)	0.4(1/64”)	MaxFlo	Clamped	15
	SDP 06 ALT*	18(4.8)	4(13)	9.5(31)	1.9(4.2)	0.4(1/64”)	MaxFlo	Clamped	16
1/2”	DP 12 AL N/B	51(14)	1.5(6)	9.5(31)	4.4(9.7)	1.6(1/16”)	Classic	Bolted	13
	DP 12 ALT	50(13)	2.7(9)	9(30)	4.4(9.7)	1.6(1/16”)	Classic	Bolted	14
	SDP 12 AL N/B/S/H/V*	55(15)	5.5(18)	9.5(31)	5.1(11.2)	1.6(1/16”)	MaxFlo	Clamped	15
	SDP 12 ALT*	51(14)	4(13)	9.5(31)	5.1(11.2)	1.6(1/16”)	MaxFlo	Clamped	16
1”	DP 25 AL N/B/S/H/V	125(33)	5(16)	9.5(31)	9.1(20)	3.2(1/8”)	Classic	Clamped	13
	DP 25 ALT	90(24)	2(6.5)	9.5(31)	9.1(20)	3.2(1/8”)	Classic	Clamped	14
	SDP 25 AL N/B/S/H/V*	162(43)	5.5(18)	9(30)	14.2(30.8)	3.2(1/8”)	MaxFlo	Clamped	15
	SDP 25 ALT*	147(39)	2.7(10)	9(30)	14.2(30.8)	3.2(1/8”)	MaxFlo	Clamped	16
1-1/2”	DP 40 AL N/B/S/H/V	263(70)	5.5(18)	8.5(28)	15(33)	4.8(3/16”)	Classic	Clamped	13
	DP 40 ALT	223(59)	2.7(9)	8.5(28)	15.5(34)	4.8(3/16”)	Classic	Clamped	14
	SDP 40 AL N/B/S/H/V	273(72)	5.5(18)	8(26)	17(37)	4.8(3/16”)	MaxFlo	Clamped	15
	SDP 40 ALT	232(61)	3.6(12)	8.5(28)	17.5(38.5)	4.8(3/16”)	MaxFlo	Clamped	16
2”	DP 50 AL N/B/S/H/V	586(155)	6.4(21)	9.5(31)	26.5(58)	6.4(1/4”)	Classic	Clamped	13
	DP 50 ALT	424(112)	3.6(12)	9.5(31)	26(57)	6.4(1/4”)	Classic	Clamped	14
	SDP 50 AL N/B/S/H/V	592(156)	6.7(22)	8.5(28)	29(64)	6.4(1/4”)	MaxFlo	Clamped	15
	SDP 50 ALT	471(125)	4.6(15)	9.5(31)	29(64)	6.4(1/4”)	MaxFlo	Clamped	16
3”	DP 75 AL N/B/S/H/V	834(220)	5.5(18)	9.5(31)	52.5(115.5)	9.5(3/8”)	Classic	Clamped	13
	DP 75 ALT	668(177)	3.5(11.5)	8.5(28)	52(114)	9.5(3/8”)	Classic	Clamped	14
	SDP 75 AL N/B/S/H/V	864(228)	6.5(21)	9(30)	54(118)	9.5(3/8”)	MaxFlo	Clamped	15
	SDP 75 ALT	692(182)	4.6(15)	9.5(31)	54(118)	9.5(3/8”)	MaxFlo	Clamped	16

Notes

1. N/B/S/H/V in Model Number indicates choice of N-Neoprene , B-Nitrile, S-Santoprene, H - Hytrel or V - Viton with matching seals
2. T in Model Number indicates PTFE with aluminium seats
3. All above mentioned pumps have alumium wetted parts
4. PTFE models have a metal seal and PTFE sealing rings.
5. All above models are available with either BSPT, NPT or BSPP Threading, see Nomenclature.
6. Dimension Drawings are available, STEP files also available
7. MaxFlo valves are constructed from Aluminium, Acetal and CFT sealing rings
8. Classic valves are constructed from Bronze and Hard Anodized Aluminium.
9. * indicates Models shipping from Jan 2021.
10. All above pumps have an aluminium centre section

Aluminium Pumps Models

SDP06 ALX

SDP12 ALX

DP12 ALX

DP25 ALX

SDP25 ALX

DP40 ALX

SDP40 ALX

DP50 ALX

SDP50 ALX

DP75 ALX

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VALUE FOR MONEY

TC-110J

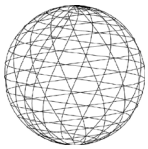
JET LENGTH UPTO
31 mts

FLOW RATES UPTO
27m3/hr

MAX TANK SIZE
3000m3

TANK CLEANING MACHINE

These are twin nozzle tank washing machines. They have a Stainless Steel 316L construction combined with PEEK gears for durability and chemical resistivity.
The two opposing nozzles continously rotate in two axes and complete a complete cleaning cycle in 20 minutes
Suitable for use with various cleaning media including water, crude oil and cleaning chemicals, both hot and cold. Its easily repairable on site and teryair spares are available widely.



360deg spherical coverage

The nozzles rotate simultaneously in an X and Y axis and effectively direct the fluid jet to all surfaces of the tank.

Approvals and Certifications

Teryair TC-110J Tank Cleaners are Type approved by Lloyds Register. All Teryair Tank Cleaners are also CE marked and manufactured under an ISO 9001:2015 Quality system - SGS

Applications

Suitable for tank and hold cleaning on crude oil tankers, chemical tankers and barges. Also suitable for use in chemical, hygienic and petrochemical industries for the rapid cleaning of tanks.

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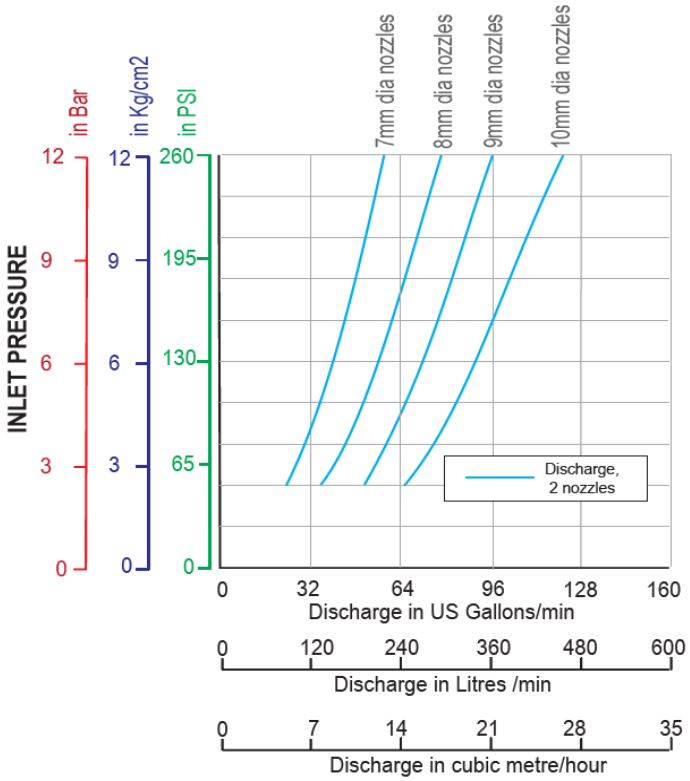
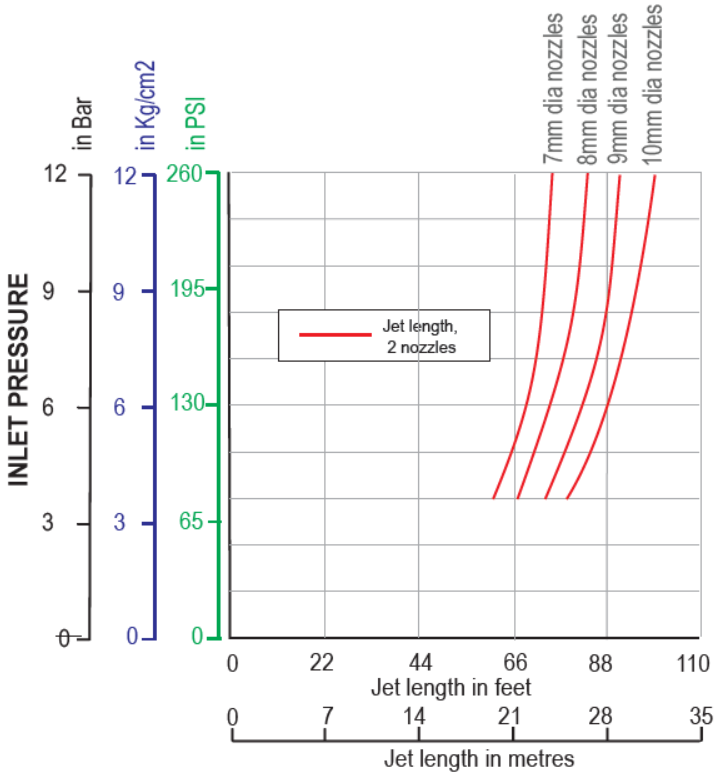


Performance Graph Inlet Pressure vs Discharge

- Performance as measured discharging water at 20degC.
- For guidance on how to select a suitable tank cleaning machine get in touch with a Teryair.
- Actual discharge performance may vary depending on cleaning media used, its viscosity and its density.



Performance Graph Inlet Pressure vs Jet Length

- Performance as measured discharging water at 20degC.
- For guidance on how to select a suitable tank cleaning machine get in touch with a Teryair.
- Actual discharge performance may vary depending on cleaning media used, its viscosity and its density.

General Features

- Optional Portable threaded type or Fixed Flange type
- Choice of nozzles, 6 to 10 mm diameter
- 8mm Nozzles are provided along with the machine, extra nozzles can be ordered.
- Clutch enabled nozzles allow nozzle positioning during insertion.

Technical Data

Maximum Discharge	27m3/hr, 450 litres/min
Maximum Jet Length	31 mtrs, 100feet
Operating Pressure range	3 to 12 Bar
Machine Weight	7 Kgs, 15.4lbs
Temperature upto	90 deg C
Cycle time	20 mins (with std 8mm nozzle and 8 Bar supply pressure)
Portable Thread detail	1-1/2 inch BSP or 1-1/2 NPT (pl specify while ordering)
Fixed Flange Detail (opt)	5" OD X 3.88" PCD X 0.62" Bolt Hole Dia, (127mm, 98.5, 15.7mm resp) as ANSI B16.5 Class #150

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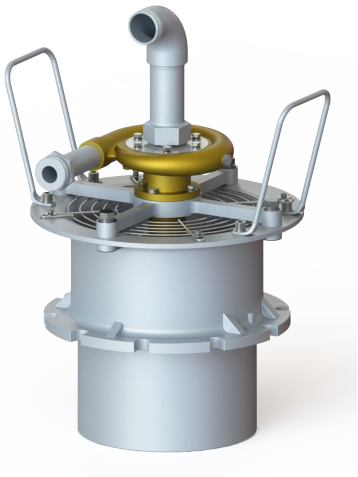
VALUE FOR MONEY

WTF-300/ WTF-400

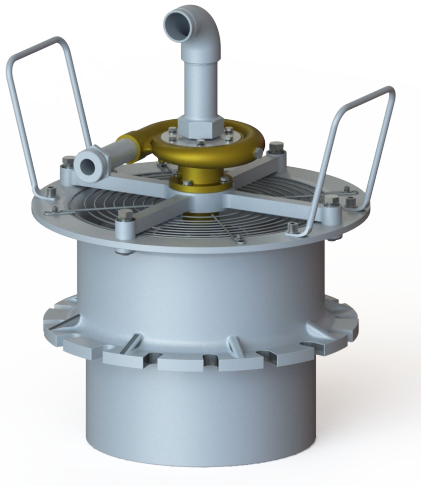
MAX AIR FLOW UP TO
220 m³/min / 290 m³/min

DIAMETERS
300 mm / 400mm

WEIGHT
32 kgs / 42 kgs



WTF-300



WTF-400

WATER DRIVEN GAS FREEING FANS

Teryair Water Driven Gas Freeing Fan are designed for ventilation of gases from large enclosed areas or other tank openings. They work effectively, providing penetration deep into the tank ensuring complete ventilation. Our fans are made of a non spark construction with a stainless steel 316 impeller and integral water motor. The components are manufactured from corrosion proof material.

CE ISO 9001

Approvals And Certifications

All Teryair Air Driven Gas Freeing Fans are CE marked and manufactured under an ISO 9001:2015 Quality system – SGS.

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Technical Data

Product Reference	WTF-300	WTF-400
IMPA Code	59 14 36	59 14 37
Outlet Bore diameter in mm	300	400
Air Flow Max.	220 m^3/min	290 m^3/min
Recommended Water Pressure	7 kg/cm^2	7 kg/cm^2
Water consumption	40m^3/hr	50m^3/hr
Recommended Water Hose size	50A	50A
Water inlet and outlet conn.	50A	50A
Weight in Kgs	32	42

Applications

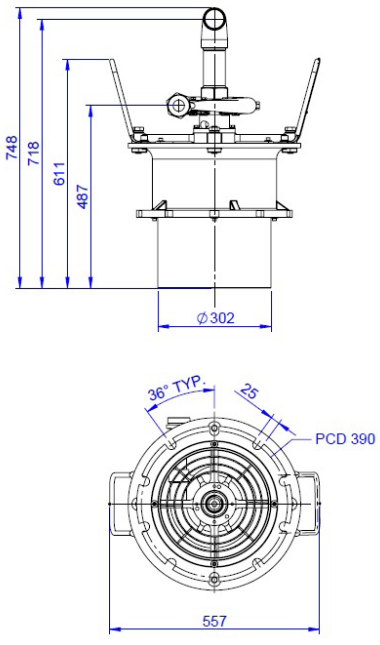
- high performance ventilation of gasses from large enclosed areas
- ventilation of tanks requiring a deep penetration.

Main Features

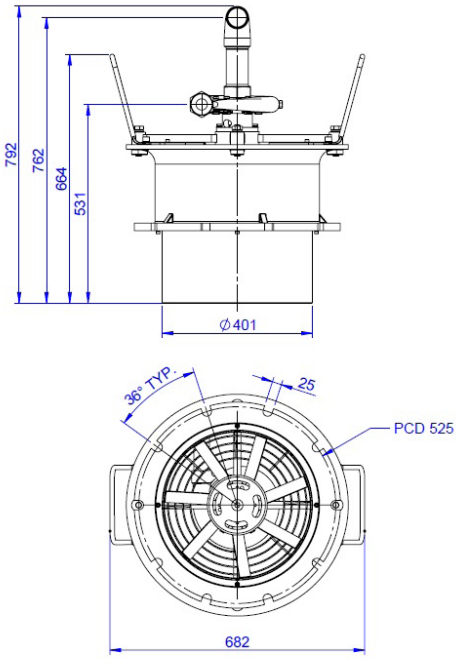
- Precise manufacturing of SS impeller & Pelton wheel generates a higher air flow.
- Aluminum Fan – gives longer life

Dimensions Diagram

WTF-300



WTF-400



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VALUE FOR MONEY

VENTILATION FANS

MAX AIR FLOW UP TO
8665 m3/min

DIAMETERS
300 mm / 400mm

WEIGHT
9 kgs / 64kgs

PVF-300

PVF-400

AIR POWERED VENTILATING FANS

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.

CE ISO 9001 QUALITY ASSURED FIRM SGS

Approvals And Certifications

All Teryair Air Powered Ventilating Fans are CE marked and manufactured under an ISO 9001:2015 Quality system – SGS.

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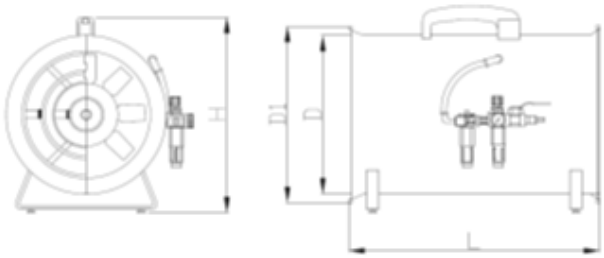
Technical Data

Product Reference	PVF-300	PVF-400
Casing Diameter	ø300mm	ø400mm
Inlet Air supply	6 kg/cm²	6 kg/cm²
Capacity	3566 M³/hr	8665 M³/hr
R.P.M.	3000	3600
Weight	9 kgs	17 kgs

Applications

- high performance ventilation of gasses from large enclosed areas
- ventilation of tanks requiring a deep penetration.

Dimensional Data



Model covered

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

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Ventilation Tube (Air Duct) for PVF Series Ventilation Fan

Ventilator Model No	Duct Model No	Material Type	Length	Tube Dia (mm)
PVF-300	59 14 83	Spiral Type	5	300
PVF-300	59 14 84		10	300
PVF-400	59 14 85		5	400
PVF-400	59 14 86		10	400