

High Vacuum Pump Direct Drive Model: AVP-3095



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

High Vacuum Pump Direct Drive

Pumps, a pioneer in rotary vane vacuum pump technology armed with decades of industrial experts, presents the AVP series rotary vane pumps.

AVP series pumps are an outcome of excessive design programme based on first hand principles and in-detailed analysis of each component thereby making it a world class product.

These pumps are designed to provide consistent vacuum even at continual operations. The oil used will act as a sealant and as a lubricant. We offer a range of four pumps starting from 6 m³/ hr to 60m³/ hr capacity with an ultimate vacuum of less than 2 microns.

Features

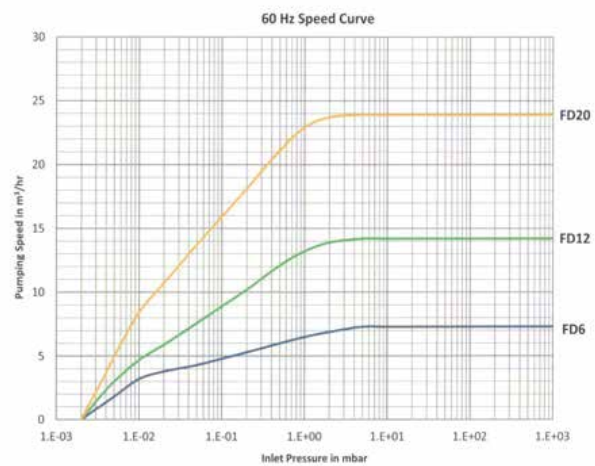
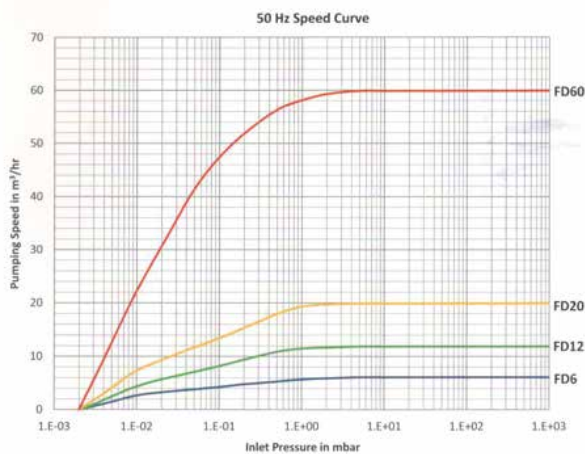
- Robust and compact
- Improved vapor handling performance
- Forced oil lubrication system with built-in oil vane pump enabling high Performance down to 10⁻³ mbar
- Lower noise level at 58 dBA
- Minimal vibration
- Increased inlet port path to give maximum flow
- Lower oil consumption
- All fluoroelastomer (FKM/Viton) seals

Industry / Markets

- Air conditioning & refrigeration
- Solar
- Chemical / Pharma
- Lighting
- Cryogenics
- Research & development

Technical Specifications

- **Nominal pumping speed @ 50Hz:** 12(200) m³/hr (L/min)
- **Nominal pumping speed @ 60Hz:** 14.3 (238) m³/hr (L/min)
- **Ultimate vacuum:** 2x 10⁻³ (1.5 x 10⁻³) Gas ballast closed in mbar (Torr)
(Total pressure) : 5x 10⁻² (3.75 x 10⁻³) Gas ballast open in mbar (Torr)
- **Water vapour pumping capacity:** 0.29 kg/h
- **Water vapour tolerance:** 33 mbar (Torr)
- **Nominal power rating @ 50Hz:** 0.37 (0.5) KW (HP)
- **Nominal pumping speed @ 60Hz:** 0.55 (0.75) KW (HP)
- **Motor rotational speed @50 Hz:** 1440 rpm
- **Motor rotational speed @60 Hz:** 1720 rpm
- **Weight:** 27.5 (60.6) kg (lb)
- **Inlet connection:** KF25 KF flanges
- **Outlet connection:** 15mm Dia Nozzle KF25 KF flanges/Nozzle
- **Oil capacity:** 0.9 ltrs
- **Recommended oil:** MD504
- **Electrical:** single phase 220 v 50Hz/ single phase 220 v 60Hz



Inlet Dust Filter



Foreline Trap



Inlet Dust Filter



Inlet Moisture Trap



Exhaust Mist Filter



Exhaust Mist Filter

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the global. Analytical Technologies Limited is an ISO:9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

Our Products & Technologies



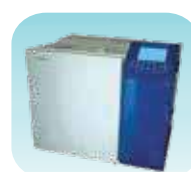
UV/VIS Spectro 2080+ Double Beam



Infra FTIR



Optima Gas Chromatograph 3007



Optima Gas Chromatograph 2979 Plus



Flash Chromatograph



Atomic Absorption Spectrophotometer



Liquid Partical Counter



Optical Emission Spectrophotometer



DSC/TGA



Semi Auto Bio Chemistry Analyzer



HEMA 2062 Hematology Analyzer



Micro Plate Reader/Washer



URINOVA 2800 Urine Analyzer



Total Organic Carbon 3800



Fully Automated CLIA



NOVA-2100 Chemistry Analyzer



PCR/Gradient PCR/ RT-PCR



TOC Analyzer



Laser Particle Size Analyzer



Ion Chromatograph



Water purification system

Regulatory compliances



Corporate Social Responsibility

Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical Foundation

1. Research & Innovation Scientist's awards/QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at Info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops/Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.



HPLC Solutions MultipleLabs Analytical Bio-Med Analytical Distributors Analytical Foundation (Trust)

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E: info@hplctechnologies.com
info@multiplelabs.com
info@analyticalgroup.net

W. www.analyticalgroup.net
www.hplctechnologies.com
www.multiplelabs.com

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