



AGL 150 Pump (Hydrocyclone Pumps)

Brand.....ALLEN GWYNNES®

Description

Hydrocyclone pumps is use to pumping abrasive solid such as sand always leads to damages to the pumping unit.The output of the cyclone pump with respect to driving system is rather low (20%-30%).

Consequently application is only recommended for cases in which energy cost are not significant, for instance when the pump is a small part of a large system.Cyclone pumps applied to the continuous pumping of sand-water mixtures for sand flume and river scale models with movable bed.Cyclone pumps is able to separate solids from the flow, are treated qualitatively.

Application:

- 1) In oil industry separate oil from water or vice versa.
- 2) In metal working to separate metal particles from cooling liquid.
- 3) To remove sand and silt particles from irrigation water for drip irrigation purpose.
- 4) In drilling industry to separate sand from the expensive clay that is used for lubrication during the drilling.
- 5) In pulp and paper mills to remove sand,staples, plastic particles and other contaminants.

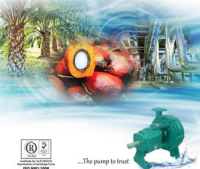
AGP/AGL Catalog

Brand.....ALLEN GWYNNES®

ALLEN GWYNNES

END-SUCTION PUMPS

AGP / AGL series Solid Handling Pump



...The pump to trust

ALLEN GWYNNES

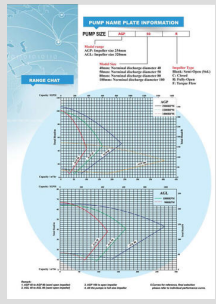
Casing
High efficiency volute with self-cleaning impeller design. The impeller and casing is cast of the same high tensile alloy steel. The casing can handle solids up to 25mm diameter particles in a 100mm diameter.

Impeller
Cast iron impeller is a semi-open design to assist in self-cleaning. It is designed to handle solids up to 25mm diameter. The impeller is cast of the same high tensile alloy steel as the casing. The impeller is designed to handle solids up to 25mm diameter.

Shaft
Large diameter shaft design to take full load torque and prevent deflection. Fully machined and polished shaft. The shaft is cast of the same high tensile alloy steel as the casing and impeller.

Bearing
Two deep groove ball bearings for long service life and maximum life.

Bearing Housing
Rigid design to ensure rigidity and vibration free operation.



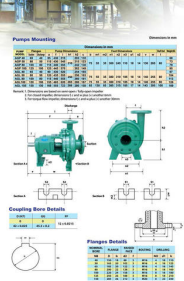
MECHANICAL SEAL TYPE



PART LIST

Part No.	Description	Part No.	Description
1	Impeller	10	Impeller Nut
2	Impeller Bolt	11	Impeller Washer
3	Impeller Lock Washer	12	Impeller Lock Nut
4	Impeller Lock Washer	13	Impeller Lock Nut
5	Impeller Lock Washer	14	Impeller Lock Nut
6	Impeller Lock Washer	15	Impeller Lock Nut
7	Impeller Lock Washer	16	Impeller Lock Nut
8	Impeller Lock Washer	17	Impeller Lock Nut
9	Impeller Lock Washer	18	Impeller Lock Nut

Pump Mounting



Coupling Bore Details

AGP / AGL Series	Coupling Bore Size
AGP 100	40
AGP 150	50
AGP 200	60
AGP 250	70
AGP 300	80
AGP 350	90
AGP 400	100
AGP 450	110
AGP 500	120

Flange Details

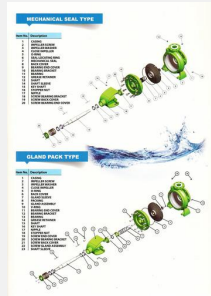
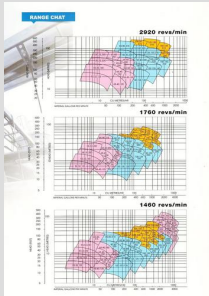
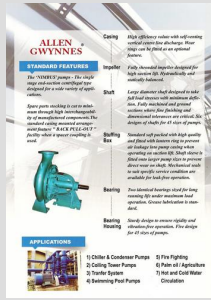
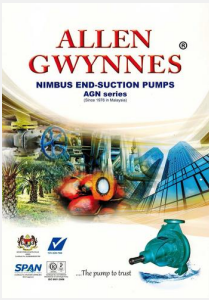
AGP / AGL Series	Flange Size
AGP 100	100
AGP 150	150
AGP 200	200
AGP 250	250
AGP 300	300
AGP 350	350
AGP 400	400
AGP 450	450
AGP 500	500

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AGN Catalog

Brand.....ALLEN GWYNNES®



Model	Flow (m³/h)	Head (m)	Power (kW)
AGN 100	10	10	1.5
AGN 150	15	15	2.2
AGN 200	20	20	3.0
AGN 250	25	25	3.7
AGN 300	30	30	4.5
AGN 350	35	35	5.2
AGN 400	40	40	6.0
AGN 450	45	45	6.7
AGN 500	50	50	7.5
AGN 550	55	55	8.2
AGN 600	60	60	9.0
AGN 650	65	65	9.7
AGN 700	70	70	10.5
AGN 750	75	75	11.2
AGN 800	80	80	12.0
AGN 850	85	85	12.7
AGN 900	90	90	13.5
AGN 950	95	95	14.2
AGN 1000	100	100	15.0

Model	Flow (m³/h)	Head (m)	Power (kW)
AGN 100	10	10	1.5
AGN 150	15	15	2.2
AGN 200	20	20	3.0
AGN 250	25	25	3.7
AGN 300	30	30	4.5
AGN 350	35	35	5.2
AGN 400	40	40	6.0
AGN 450	45	45	6.7
AGN 500	50	50	7.5
AGN 550	55	55	8.2
AGN 600	60	60	9.0
AGN 650	65	65	9.7
AGN 700	70	70	10.5
AGN 750	75	75	11.2
AGN 800	80	80	12.0
AGN 850	85	85	12.7
AGN 900	90	90	13.5
AGN 950	95	95	14.2
AGN 1000	100	100	15.0

AGSP Pump

Brand.....ALLEN GWYNNES®

Description

The AGSP is stand for Allen Gwynnes Seft Priming Pumps. This is single stage end suction centrifugal type designed for a wide variety of applications. Spare parts stocking is cut to minimum through high interchangeability of manufactured components. The standard casing mounted arrangement feature "Back Pull Out", the end shaft diameter are design to fit the taper lock pulley. This pumps is using Semi and open impeller. This kind of impeller is suitable for handling solid application. The large diameter shaft design to take full load stresses with deflection. Fully machined and ground section where finishing and dimensional tolerance are critical.

Technical Data:

- 1) Dimension : Din 24255
- 2) Temperature Limits : 80 Degree Celsius On Standard Material
- 3) Rotation : Clockwise Looking Allowable On End Shaft
- 4) Flanges : BS4504-1969





AGS Pump

Brand.....ALLEN GWYNNES®

Description

The AGS is stand for Allen Gwynnes Split Casing Pumps. The Casing is axially split, which permits removal of the complete rotor without moving either piping or motor. Pumps generating high heads have double volutes to reduce radial forces, ensuring minimal shaft deflection and low bearing loads.

Applications:

- 1) Fire-fighting systems
- 2) Water Supply system
- 3) Industrial circulating system
- 4) water system for industrial uses
- 5) Warm water heating, chilled & cooling water systems.

Technical Data:

- 1) Pump Size : DN 80 up to 900mm
- 2) Temperature Limits : 105 Degree Celsius On Standard Material
- 3) Capacities : Up to 1500 l/s
- 4) Head : Up to 200 meter

AGP / AGL Pump

Brand.....ALLEN GWYNNES®

Description

The AGP is stand for Allen Gwynnes Process Pumps. This is single stage end suction centrifugal type designed for a wide variety of applications. Spare parts stocking is cut to minimum through high interchangeability of manufactured components. The standard casing mounted arrangement feature "Back Pull Out", the end shaft diameter are design to fit the taper lock pulley. This pumps is using Semi and open impeller. This kind of impeller is suitable for handling solid application. The large diameter shaft design to take full load stresses with deflection. Fully machined and ground section where finishing and dimensional tolerance are critical.

Technical Data:

- 1) Dimension : Din 24255
- 2) Temperature Limits : 80 Degree Celsius On Standard Material
- 3) Rotation : Clockwise Looking Allowable On End Shaft
- 4) Flanges : BS4504-1969





AGV Pump

Brand.....ALLEN GWYNNES®

Description

The AGV is stand for Allen Gwynnes Vertical Multistage In line Pumps. This Pump directly coupled to a totally enclosed fan -cooled (TEFC) electric motor.The Impeller , diffuser,intermediate chamber, shaft and casing , other parts inAISI 304 standless steel 304.Mechanical seal in carbon vs tungsten carbide.The rubber parts all in NBR or EDPM.We also have Option suction and discharge ports material inAISI 304 stanless steel 304.This pumps maximum working pressure is from 16 bar up to 30 bars depending on the pumps models.

Application:

- 1) Water supply
- 2) Water pressure Boosting Unit
- 3) High pressure washing
- 4) Liquip transfer
- 5) Fire figthing pumps
- 6) Boiler Feed pumps
- 7) Water treatment.
- 8) Irrigation
- 9) Aquacalture and other application

Advantages:

- 1) Quiet operations
- 2) Maintaenance free shaft seal
- 3) High efficiency for energy savings.
- 4) Suitable for hot and cold water pumping.
- 5) Greater resistance to corrosion & abrasion compared to normal cast iron pumps.

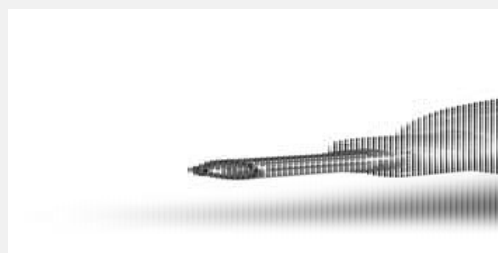
AGN Pumps

Brand.....ALLEN GWYNNES®

Description

The AGN is stand for Allen Gwynnes Nimbus End Suction Pumps.This is single stage end suction centrifugal type designed for a wide variety of applications.Spare parts stocking is cut to minimum through high interchangeability of manufactured components.The standard casing mounted arrangement feature"**Back Pull Out**"facility when a spacer coupling is used.

Application:



- 1) Chiller&Condenser Pumps
- 2) Cooling Tower Pumps
- 3) Transfer System
- 4) Swimming Pool Pumps
- 5) Fire Fighting
- 6) Palm Oil / Agriculture
- 7) Hot And Cold Water Circulation.

Technical Data:

- 1) Dimension : ISO 2858/Din 24255
- 2) Temperature Limits : 80 Degree Celsius On Standard Material
- 3) Casing Test pressure : 150% Maximum Allowable pressure
- 4) Rotation : Clockwise Looking Allowable On End Shaft
- 5) Flanges : BS4504-1969

ALLEN GWYNNES PUMPS SDN BHD

Lot 2, Jalan Lada Hitam Satu 16/12A, Seksyen 16, 40200, Shah Alam, Selangor, Malaysia

Tel.....+603-5518 9898
 Fax.....+603-5519 6363
 Mobile Phone.....+6012-612 8086
 Mobile Phone.....+6012 297 2618
 E-Mail.....info@allengwynnes.com.my
 E-Mail.....limpumpone@hotmail.com
 E-Mail.....jovi@allengwynnes.com.my

