



MULTI-STAGE PUMP

GRUPPO ATURIA

Suction DN 40 – 300
Discharge DN 25 – 250
larger sizes on request
Q up to 840 m³/h
H up to 630 m
p up to 64 bar
T max. 130 °C
Ambient T max. 40 °C
Speed 1500, 3000 rpm

Type: Horizontal or Vertical multistage, high-pressure centrifugal pump

Liquid type: Clean water

Application: Boiler feed pump, other high pressure applications

Materials:

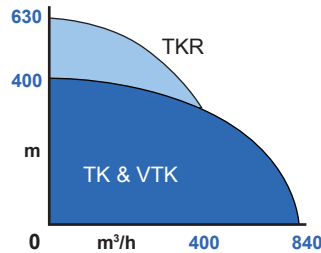
Casing TK & VTK: Cast Iron GG25
 TKR: Nodular Cast Iron
 all option: Stainless Steel

Impeller: Cast Iron GG25, Stainless Steel, Bronze

Sealing: Gland Packing, Mechanical Seal, High Temperature Mech.Seal

Impeller Design: Radial Impeller

Motor: up to 700 kW
 larger on request



TURBINE PUMP

GRUPPO ATURIA

Column Ø DN 90 – 360
Discharge DN 80 – 300
Q up to 2200 m³/h
H up to 400 m
Ambient T max. 60 °C
Speed 1500, 3000 rpm
larger on request (PAG)

Type: Vertical Turbine Pump

Liquid type: Soiled water

Application: Deep well, water intake, irrigation, drainage, flood prevention

Materials:

Motor Support: Cast Iron

Pump Stage: Cast Iron

Impeller: Cast Iron

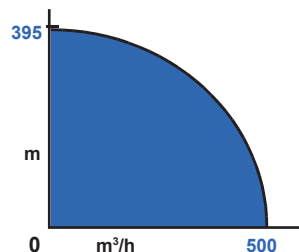
Axis Line: Steel

note: other materials on request

Impeller Design: Radial Impeller

Motor: up to 560 kW

larger on request



SINGLE STAGE PUMP

GRUPPO ATURIA

Construction:

- NA Pumps, centrifugal single stage horizontal, are designed according to DIN 24255 standards, in order to have maximum interchangeability between components.
- The impeller is dynamically and hydraulically balanced.
- The shaft is duly oversized to guarantee required stiffness and it is supported by grease lubricated sturdy ball bearings.
- Mechanical seal.

Materials:

Pump casing: Cast Iron

Impeller: Cast Iron

Casing cover: Cast Iron

Bearing housing: Cast Iron

Pump shaft: Stainless Steel AISI420

Mechanical Seal:

Silicon Carbide/Silicon Carbide/NBR

Characteristics:

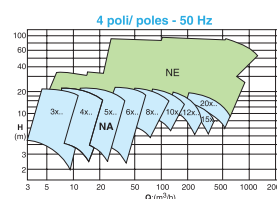
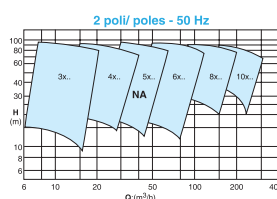
Capacity up to 600 m³/hr

Dynamic head up to 95 m

Max. suction press.: 4 bar

Max. operating pressure: 10 bar

Working temp. from -10 °C to +130 °C



GRUPPO ATURIA

Construction:

ND are single centrifugal pumps with hydraulically balanced impeller, volute casing with end suction and top radial delivery, shaft with mechanical seal. The impellers, developed to be highly efficient, guarantee the most economic service.

Standardisation of the common parts to a very high degree simplifies spare parts storage.

The UNI 2223/29 PN 16 pipe flanges are used for the standard construction; on request flanges according to ANSI 150 RF

Fields of application:

- Industry
- Petrochemical plants
- Chemical plants
- Hot pressurized water
- Transport
- Distribution
- Dowtherms
- Oil service
- Refinery
- Marine

SINGLE STAGE PUMP

Materials:

- All parts in contact with pumped liquid are in stainless steel AISI 316.
 - Bearing housing in cast iron.
 - Pump shaft in St.Steel AISI 316.
- On request we can supply pumps in different metallurgies relative to the pump liquid

Characteristics:

- Delivery: up to 1400 m³/hr
- Total head: up to 140 m
- Max. work pressure: 20 bars
- Temperature: from -50 °C to +250 °C
- Max. speed: 3500 r.p.m.



ND



GRUPPO ATURIA

Construction:

The pump casing, split along the shaft axis, allows easy inspection and replacement of the rotating section. The position of inlet and outlet nozzles (in the lower half case of horizontal pumps or in the rear half case of vertical pumps) allows inspection and repair without removing the pump from its position.

Materials:

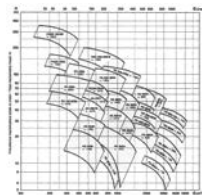
- Pump casing - cover: cast iron G25.
- Impellers: cast iron G25 or bronze BSN5.
- Wear rings on pump casing: bronz or steel AISI 304.
- Shaft: steel C40.
- Shaft sleeves: steel AISI 420.
- Glands bushes: bronze.
- Packing ring: teflon rope.
- Gland: cast iron G25
- Bearings: high quality roller bearings.
- Bearing housing: cast iron G25
- Flexible coupling: cast iron with rubber inserts or with steel rods and rubber bushings. Dynamically balanced.

SPLIT CASE PUMP

PD: sing stage, double suction, with horizontal shaft.

Fields of application:

- These pumps are used in civil, industrial and farming facilities, especially for
- aqueducts
 - irrigation
 - steel works
 - building yards
 - thermal power plants
 - sugar works
 - air conditioning
 - paper mills
 - fire fighting



PD



GRUPPO ATURIA

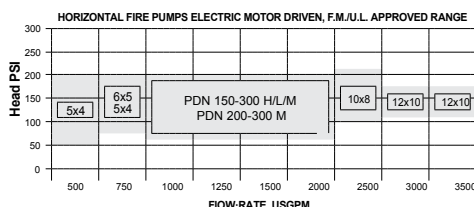
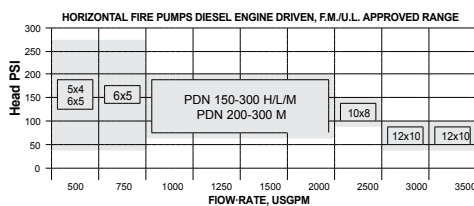
FIRE FIGHTING SET

FM Approved
EN 12845e

NFPA20 Approved
EN 12259-12



Horizontal Splitcase Range



Vertical Turbine Pump Range

