

## Company Profile

### General information

**ANTONIUS Vesselheads BV** is a specialist manufacturer of vesselheads, reducers, expansion joints and other pressed parts for the pressure vessel industry. Yearly ANTONIUS transforms 5000 tons of steel into more than 10.000 products, of which we export 75% world wide. Located at the Dutch harbour of Maasbracht, at the river Maas, ANTONIUS has a direct connection to Rotterdam and Antwerpen. The company, founded in 1937, employs 90 people.

### Product Range

During the years ANTONIUS specialised in the manufacturing of :

- Cold dished and flanged heads
- Hot formed heads
- Heads fabricated from crown plate and petals
- Hemispherical heads
- Cones
- Expansion joints
- Elbows
- Other pressed parts

The dimensions of the products vary: - in thickness from 1 mm to 150 mm  
- in diameter from 25 mm to 66.000 mm.

Depending on the application of the products and the customers' requirements, products can be manufactured from:

- Carbon steels
  - Stainless steels:
  - Nickel alloys:
  - Titanium
  - Zirconium
  - Aluminium
  - Copper
  - Clad Steels
- Normalised and Quench and tempered
  - Austenitics and Super Austenitics
  - Duplex and Super Duplex
  - Monel
  - Inconel
  - Hastelloy

## **Market Sectors**

The products of ANTONIUS are used in all kind of applications like storage- and transport tanks, pressure- and process vessels and heat exchangers.

Relevant market sectors and industries:

- Oil & Gas
- Offshore
- Chemical- and petrochemical
- Pulp and paper
- Mining
- Cryogenic
- Food, beverage and pharmaceutical
- Water treatment
- Transport and Storage
- Energy
- Art Objects

## **NDT and DT**

- NDT:
  - RT (X-Ray)
  - MT (Magnetic Particle)
  - Hardness Testing
  - FerroxyI and Conductivity
  - PT (Dye Penetrant)
  - UT (Ultrasonic Testing)
  - Ferrite Testing
- RT, PT, MT and UT can be performed by (Level 2) own or subcontracted certified operators according to EN 473 and/or SNT-TC
- DT is subcontracted to approved Laboratories

## **Design Codes**

All products can be manufactured according to design codes like:

- ASME
- AD-Merkblatt / AD 2000
- Stoomwezen
- PD 5500
- CODAP
- GL Rules
- DNV
- Norsok
- Australian Standard
- Lloyds Rules

**Quality Assurance**

- Manufacturing covered by the ISO-9001/2000 QA-system and PED 97/23
- ISO 9001 Certified by Lloyd's since 1992
- ASME accreditation for U-stamp and U2-stamp since 1997
- AD Merkblatt 2000 and EN 729-2 certified
- China Manufacturing License
- Experienced with BS 5882, RCCM-MR or ASME III
- Quality Plans can be submitted

**Bankers Details**

Name bank : ABN-AMRO Bank N.V.  
Address : P.O. Box 515, 5600 AM Eindhoven  
The Netherlands

Telephone number : (+31) 40 2379499  
Fax : (+31) 40 2440410  
Account no. : 57.21.30.325  
BIC code : ABNANL2A  
IBAN : NL97ABNA0572130325

**Organisation Information**

Trade Chamber Registration Roermond : 13009101  
Code number VAT : NL 0049 77 968 B01

**Site Area**

Shipping address : S. Houbenweg 1  
6051 AL Maasbracht, The Netherlands, Europe

Site area : 40.000 m<sup>2</sup>  
Area Covered by Workshops : 16.000 m<sup>2</sup>

Limitations on Access to Site : none

Distance to border : Belgium 10 km  
Germany 10 km

Distance to Motorway : 500 m  
Distance to Seaport from own harbour : Rotterdam 150 km/ Antwerpen 120 km

Distance to Airport : 30 km  
Distance to Railway station : 10 km

**Production facilities**

Plasma (under water) cutting machine	: 30 x 6.5 m
Autogene/plasma cutting machine	: 24 x 5.5 m
Disc welding machine	: max. Ø 8.600 discs
Cold Pressing	: Press 1.100 tons, Ø 10.000 mm discs Press 800 tons, Ø 9000 mm discs Press 500 tons, Ø 5000 mm discs Cones (2 x 250 tons) especially for cone-pressing
Hot Pressing	: Press 250 tons Press 500 tons Press 1.200 tons
Spinning/Flanging machine	: Max Ø 12.000 mm thickness 30 mm Max Ø 5.000 mm thickness 18 mm Max Ø 6.000 mm thickness 16 mm Max Ø 5.500 mm thickness 20 mm
Heat treatment	: Gas furnace 5 tons (5.600 x 4.250 mm) Gas furnace 5 tons (2.600 x 2.170 mm) Electric furnace 25 tons (Ø 7.400 mm) Electric furnace for test pieces (1.000 x 500 mm)
Welding	: All welding processes covered by a WPS, WPQ and PQR according to all relevant design codes: SMAW, SAW, GTAW, GMAW, PAW ,ESW , FCAW
Weld edge cutting	: all sizes
Machined weld edges	: up to Ø 5.500 mm
Pickling	: Stainless Steel pickling bath Ø 7.200 mm Aluminium pickling bath Ø 4.200 mm
Polishing/grinding	: all sizes up to Ø 12.000 mm
Grit-/ Sandblasting	: all sizes