

**Customer: WABCO GmbH & Co. OHG, Gronau**



**General machine data:**

Machine type: DAD-2 WBL  
 Manufactured size: 300/250/3.650  
 Machine no.: 1826  
 Medium: H<sub>2</sub>O + 2% alkaline cleaning agent  
 Medium temperature: 60 °C  
 Treated parts: Compressor housings  
 Tanks: 2  
 Tank volume cleaning: 1.000 l  
 Tank volume rinsing: 500 l  
 Loading capacity: 100 kg/m  
 Throughput speed: 0.2 – 1.5 m/min.

Cleaning principle: Spraying in through-feed method

**Cleaning:**

Spraying pressure: 3 bar  
 Circulating capacity: 350 l/min  
 Driving capacity: 4.0 kW  
 Heating capacity: 60 kW, electrical

**Rinsing:**

Spraying pressure: 3.0 bar  
 Circulating capacity: 200 l/min  
 Driving capacity: 2.2 kW  
 Heating capacity: 24 kW, electrical

**Equipment:**

- ➔ Conveyor machine with wire conveyor belt
- ➔ Tank rinsing for the cleaning of the tank bottom from coarse deposits
- ➔ Double-switch filter as bag filter in the pressure lines of the cleaning and rinsing pumps
- ➔ Phase separator for separation of oil
- ➔ Air cooled steam condenser
- ➔ Heated blowing from above, below and sidewise
- ➔ Insulation of stainless steel, cascade pump and dosage of cleaning agent
- ➔ Cleaning of the charging and discharging zone by an integrated spraying system

**Using dimensions:**

Width: 300 mm  
 Height: 250 mm  
 Length: 200 mm

**Request of result:**

Housings and bores of housings have to be all-side free of chippings, emulsions and grease and completely dry case.

**Process description:**

The compressor housings are carried into the cleaning machine manually after the mechanical processing. Continuous the housings are conveyed through the cleaning zone into an intermediate zone into the rinsing. In the following blowing zone the housings are blown-off warmly. The cleaned parts can be taken from the chute which is attached to the enclosed discharging zone.



Pic. 1: Phase separator on the top of the unit for separation of oil



Pic. 2: View of the unit from the side with filter technology, blowing device, maintenance loops, condenser etc.



Pic. 3: Charging zone with pump for the tank rinsing



Pic. 4: Control cabinet with air conditioning and three-color signal lamp



Pic. 5: Charging zone with sidewise adjustable guide and support rails



Pic. 6: Shielding of the clamping station