

PODOL-ER

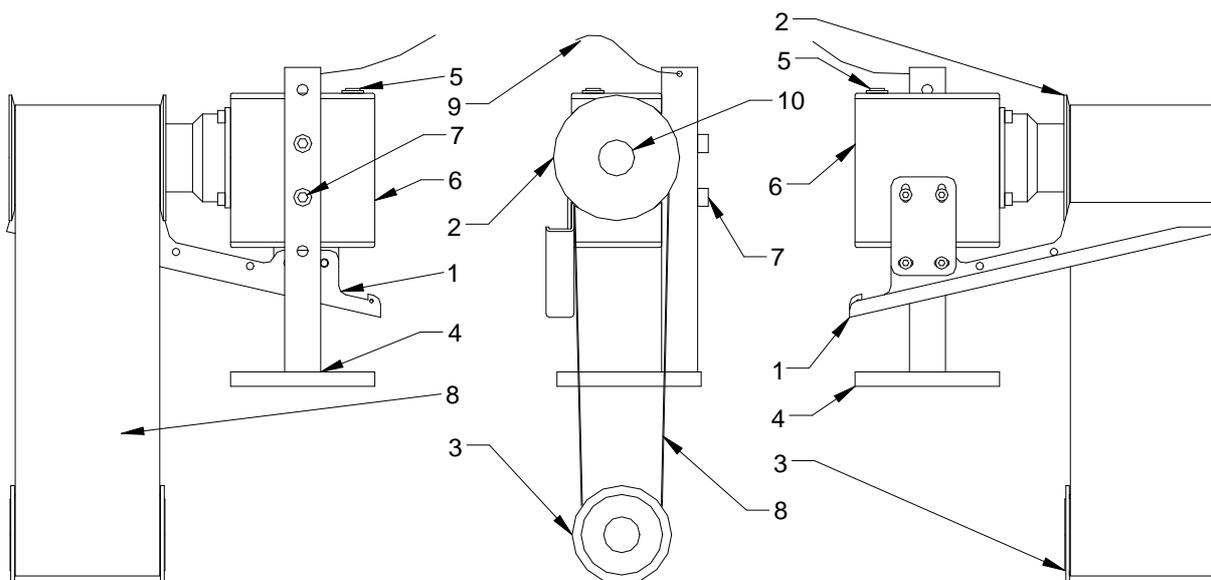
Belt oil separator

General description:

Device is dedicated especially for removing of separated greases and oils from the surface of metal-working liquids. Device could be also applied at tanks with water solution, where is necessary to remove separated greases and oils from the liquid surface. Individual equipment components are manufactured of materials or surface-treated materials in a way to resist corrosion and acting of oils. Equipment is suitable for liquids containing alkali. Device is power supplied from the control unit with safe voltage. Control unit contains, in the R version, speed regulation of the wiped belt.

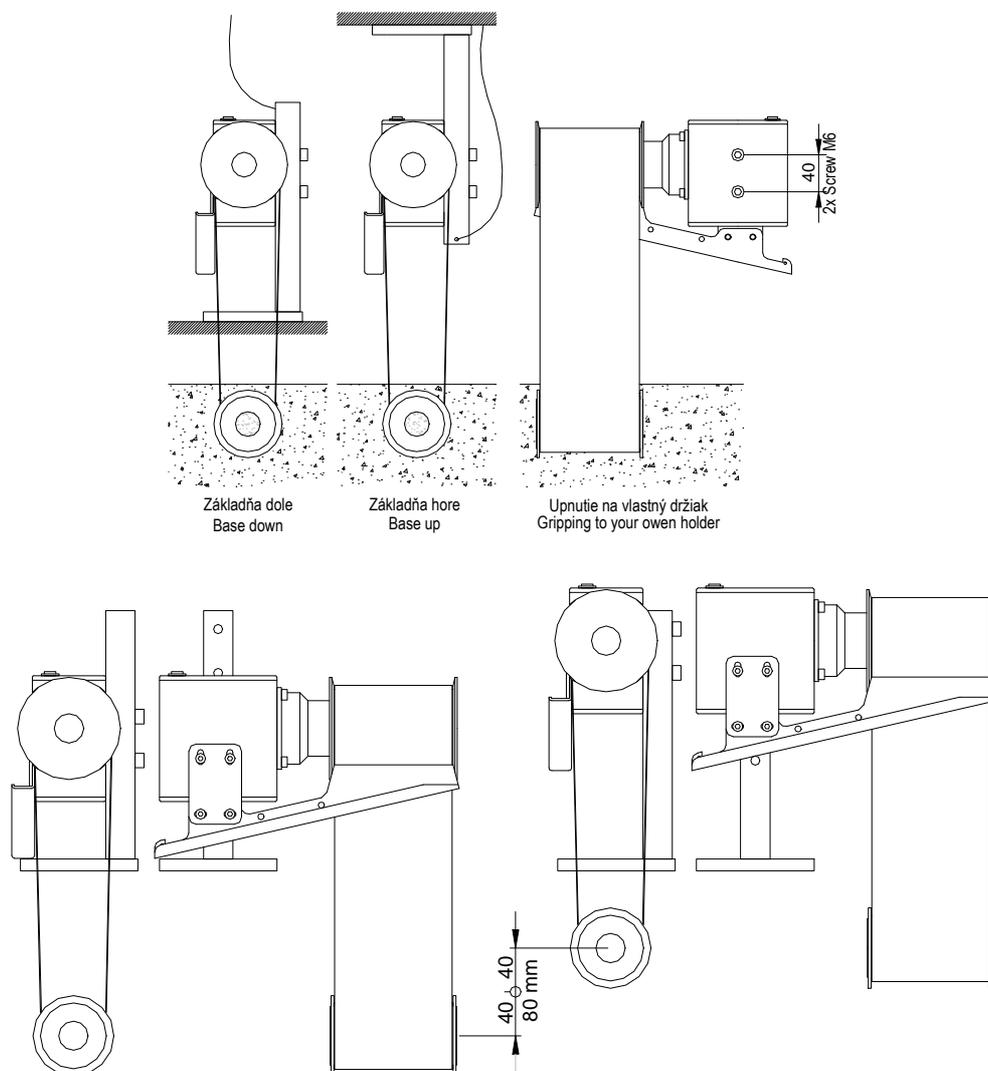
Description of activities:

- | | |
|---|--|
| <ul style="list-style-type: none"> 0 Regulated source of the extra low voltage 6-12V DC. 1 Doctor blade, outlet part. 2 Separator pulley. 3 Tension pulley. 4 Magnetic holder. | <ul style="list-style-type: none"> 5 Connector of the extra low voltage 6-12V DC. 6 Separator body. 7 Clamp bolts 2x M6. 8 Wiped belt. 9 Securing rope. 10 Oil distributor's logo. |
|---|--|



Technical Specifications:

Supply voltage of the source:	AC- 230V / 50Hz
Supply voltage of the separator:	6-12V DC
Input power	15 W
Weight:	2.5 kg
Liquid max. temperature:	30°C for the belt of PE and 80°C for the belt of PP
Regulation:	4 stages
Operation life of the wiped belt:	1,500 hours.
Consumable spare parts:	Wiped belt
Used materials:	Aluminium alloy AlMgSi, nickel-coated steel, PE, PP



Installation:

Prior installation see previous picture. First it is necessary to fix the separator body that the separator pulley (2) be above the liquid surface. According to picture the separator could be clamped to the magnetic holder (4) or own holder. Having been the separator clamped it should be secured with rope (9). Subsequently it is necessary to mount the belt (8) with the tension pulley (3). Belt is to be installed through the pulley free of twist-off. It is necessary to pay attention that the tension pulleys (3) should not touch bottom or side wall of the tank. Moreover, it is necessary to insert the connector (5) to the separator body. Finally, insert the source of the extra low voltage (0) to the socket 230V, 50Hz. Prior start-up of the separator it is advisable to put the vessel for separated oil to the end of the scrapping part (1). Construction of the separator with bolts (7) enables setting of its level, i.e. depth of immersion of the tension pulley.

Servicing:

The separator is switched on/off and regulated by means of the source (0) with adjustable output voltage. In the 0 position the separator is switched off. Another 4 positions of the controller (6 to 12V) serves for regulation of the wiped belts. Performance of the separator, i.e. quantity of separated oil per hour, depends on speed of wiped belts. At higher speed occurs higher discharge of the liquid from the tank. This attribute highly depends on kind of liquid and also on kind of separated greases.

It is possible to connect the device through switching clock, and in this way is possible to assure the service-free operation.

Maintenance and cleaning:

The separator is maintenance-free. At exchange of liquid in the tank is advisable to clean the pulley and belts with rollers. In case of failure please contact directly the manufacturer VAVVE Nitra or our supplier.