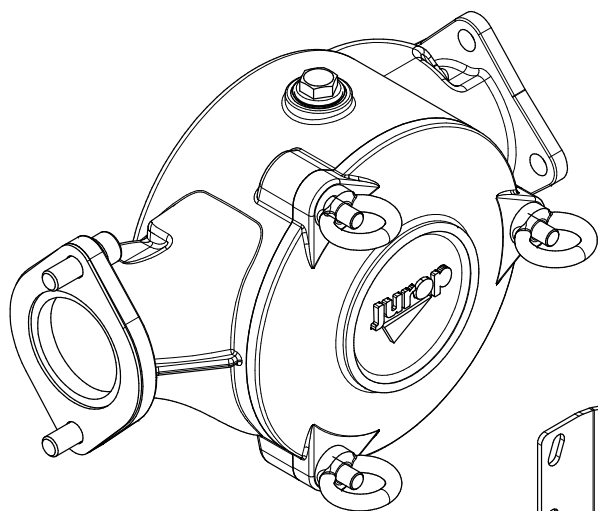
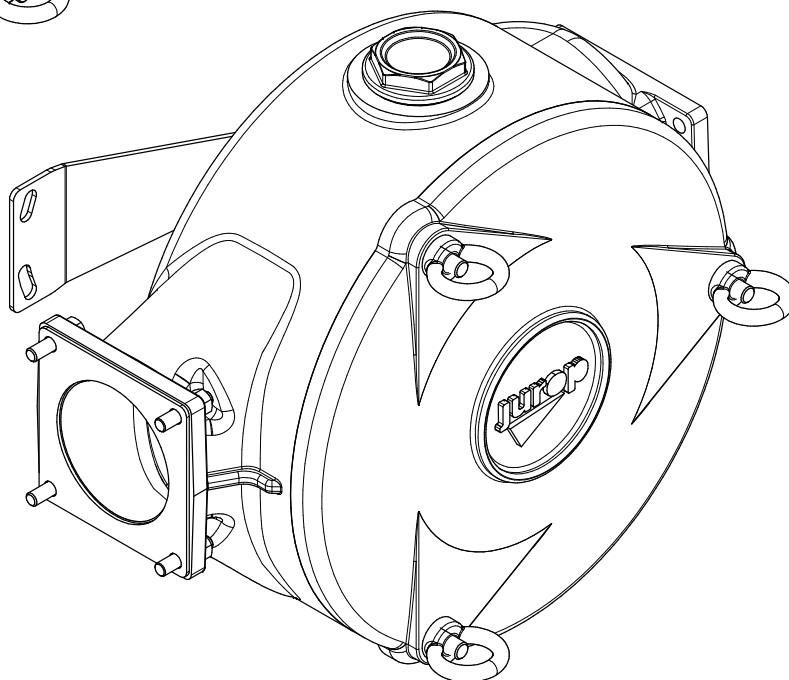


ORIGINAL INSTRUCTIONS



FILTER SUCTION UNIT RVC210



FILTER SUCTION UNIT RVC360

TECHNICAL DATA SHEET

COD. 18521 002 E0
COD. 18521 005 E0

Rev. 00
30-03-2016



COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

1. General warnings

This technical data sheet gives all the technical information concerning the suction units equipped with filter.

Complying with the instructions contained in this technical data sheet is crucial for the recognition of warranty against defective parts. Upon receiving the goods, ensure that they are intact and have not been accidentally damaged during transport. In the event parts of the accessory must be replaced, **use only genuine spare parts**.

2. Technical data

The suction units described in this technical data sheet consist of an air filter, are designed to be installed on RVC Jurop pumps.

The suction units described in this technical data sheet are designed to be installed in correspondence of the intake line (in the proximity of the suction device) of air decompressors.

These suction units are designed to be connected directly to the vacuum pump through the flanged manifold. The suction units prevent foreign bodies (with dimensions greater than the degree of filtration of the filtering cartridge) from entering inside the pumping system.

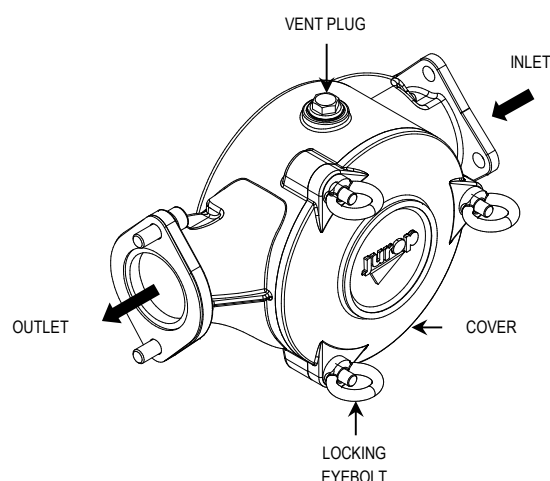
The following figure shows a schematic diagram of one of the available suction units (*Filter suction unit RVC210*).

The suction units are available in two versions:

- **Filter suction unit RVC210** (code 18521 005 E0) made of aluminium;
- **Filter suction unit RVC360** (code 18521 002 E0) made of aluminium.

The filter body and cover are made of aluminium alloy (SG AlCu3 UNI7369/74) through mould casting. The filter cartridge is made of stainless steel 304.

The following table shows the main operating parameters concerning maximum operating pressures (relative), calculation pressure (relative), air-flow rate, degree of filtration and weight.

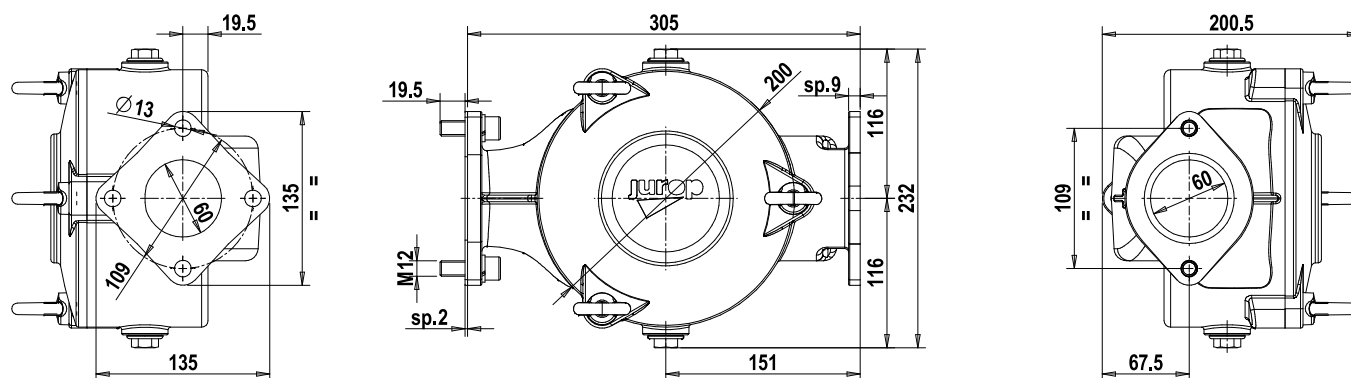


OPERATING PARAMETERS

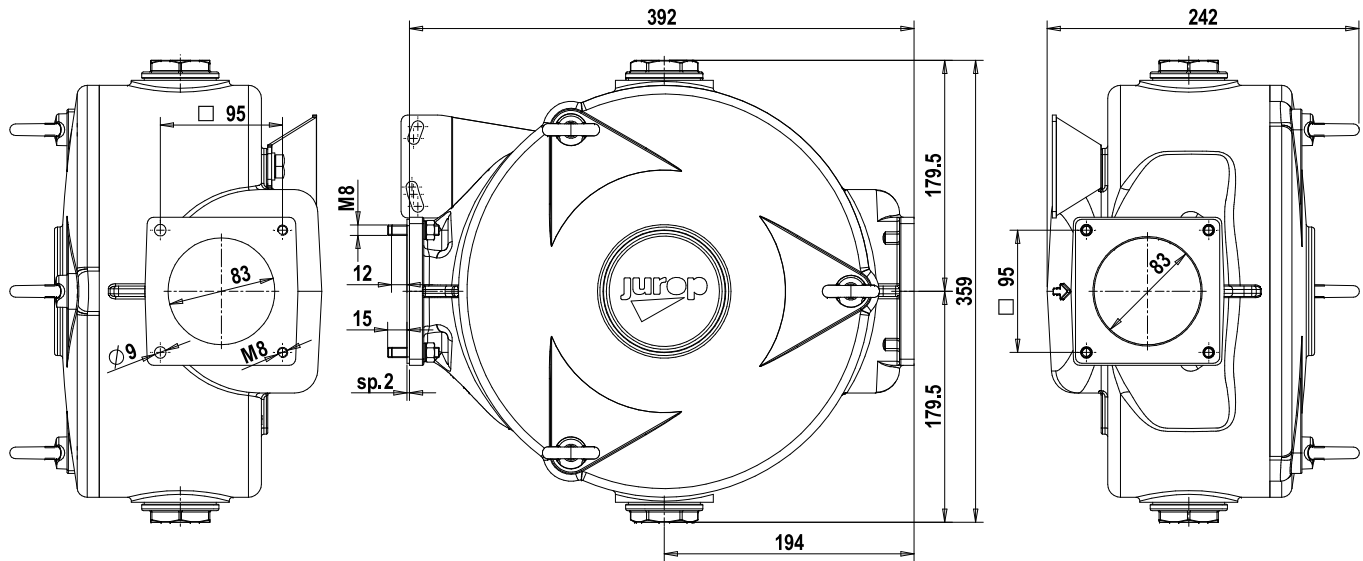
	Filter RVC210 (code 18521 005 E0)	Filter RVC360 (code 18521 002 E0)
Maximum operating pressure	-1 / +0,5 bar	-1 / +0,5 bar
Calculation pressure	-1 / +4 bar	-1 / +4 bar
Maximum air flow	480 m³/h – 8000 l/min	1300 m³/h – 21600 l/min
Degree of filtration	MESH 55, mesh hole ø 0.3mm (a 300 µm)	
Weight	4 kg	12 kg

Note: any presence of oil suspended in the air that flows through the filter reduces the maximum air-flow rate.

Overall dimension – Filter RVC210 – code 18521 005 E0



Overall dimension – Filter RVC360 – code 18521 002 E0



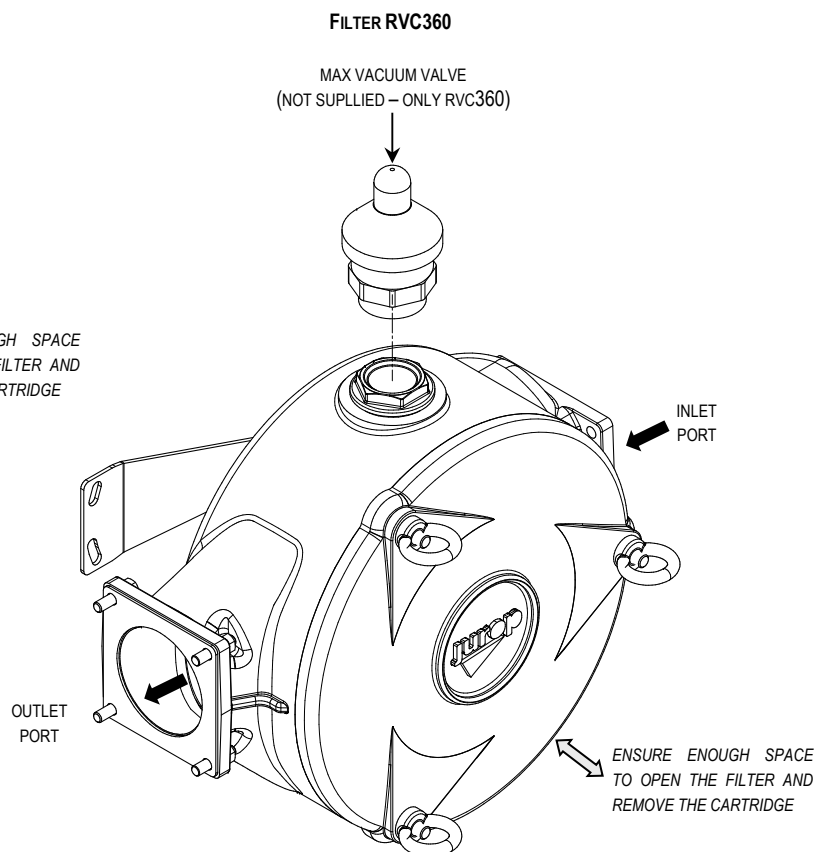
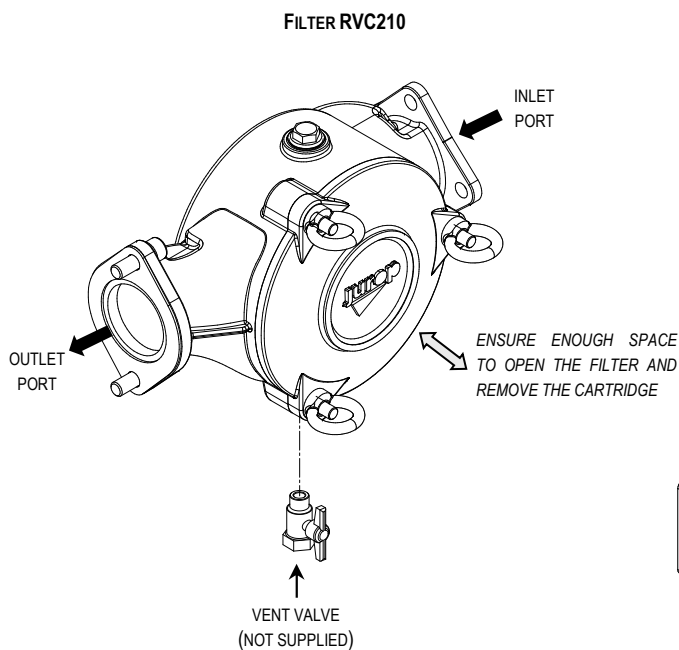
3. Installation

The suction unit must be installed in correspondence of the intake line in the proximity of the decompressor.

The filter cleaning (or replacement) frequency can vary according to its use; this is why we recommend **placing the suction unit in an easily accessible location**, to simplify maintenance. In correspondence of the filter, the lower drain G 1/2" (filter suction unit

RVC210) and G 1 1/2" (filter suction unit RVC360) must also be easily accessible to allow draining any liquid inside the filter (condensate). Should a drain valve be installed, it must ensure the tightness of the duct.

During the winter season, the liquid contained in the filter must be drained during downtime.



4. Maintenance

Under ordinary use conditions, we recommend cleaning the filter on a weekly basis. In the event of heavy duty conditions, clean (or replace) the cartridge every time the line performance appears to be compromised.

The filter must be cold cleaned.

For routine maintenance proceed as follows:

- Loosen the three eyebolts and remove/open the cover;
- Extract the filtering cartridge and the relative seals, clean with detergent and blow compressed air until clean.

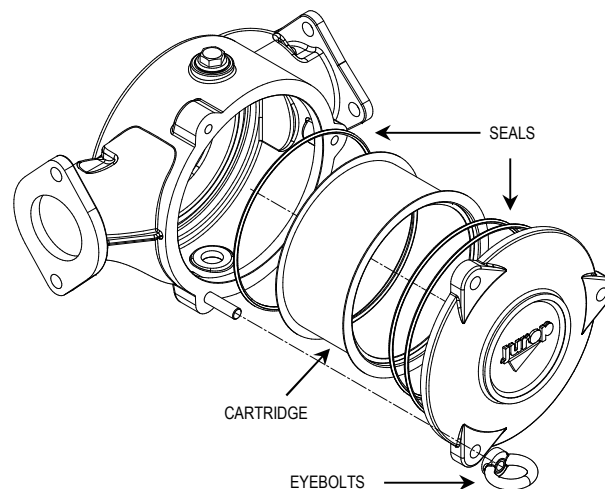


Recover the liquid detergent and dispose of it in compliance with the standards in force.

- Dry the cartridge and the entire filter well.
- Reinstall the previously removed components taking care to place the seals correctly.

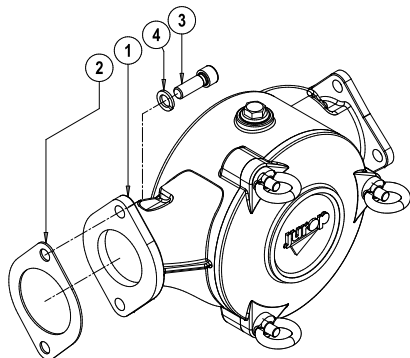
We recommend using non-flammable detergents with passivating and protective properties.

The following figure shows a schematic diagram of the maintenance procedure.



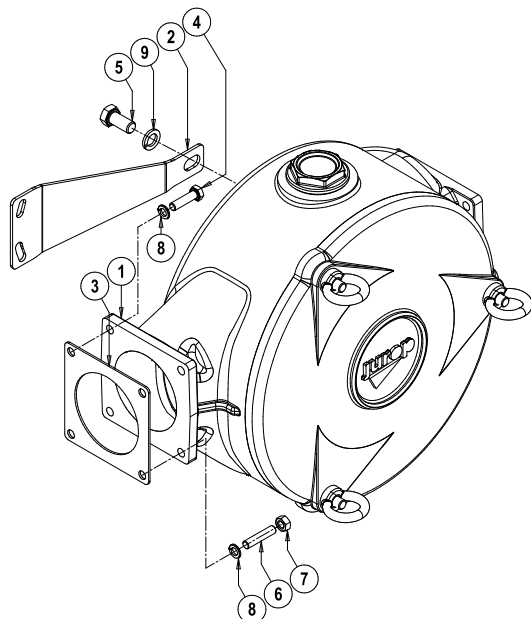
FILTER SUCTION UNIT

Filter suction unit RVC210 - code 18521 005 E0



Pos.	Code	Description	Q.ty
1	14450002E0	AIR FILTER HOUSING RVC210	1
2	1680614500	FILTER MANIFOLD SEAL	1
3	4026121710	SCREW TCEI M12X35 GALV.	2
4	4026350709	WASHER GROWER 12 GALV.	2

Filter suction unit RVC360 - code 18521 002 E0



Pos.	Code	Description	Q.ty
1	14450001E0	AIR FILTER HOUSING RVC360	1
2	16120127E0	BRACKET	1
3	1680709900	FILTER MANIFOLD SEAL	1
4	4026102808	SCREW M8X30 GALV.	2
5	4026103001	SCREW M12X25 GALV.	1
6	4026171602	STUD SCREW M8X25 GALV.	2
7	4026308005	NUT M8 GALV.	2
8	4026350706	WASHER GROWER 8 GALV.	4
9	4026350709	WASHER GROWER 12 GALV.	1