

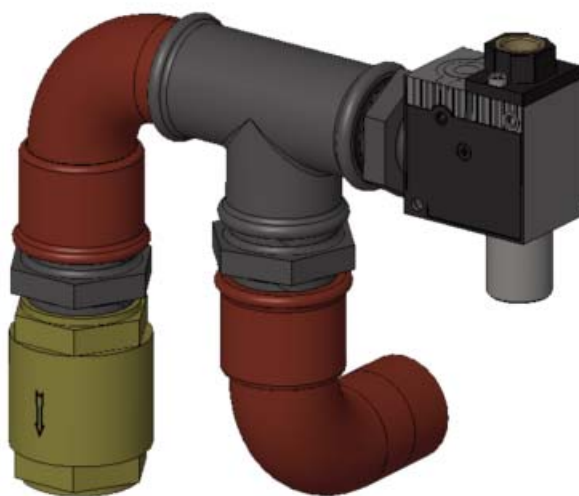


**INSTRUCTIONS 1101-T00 e**

Section	1101
Effective	November 2013
Replaces	October 2012

Original instructions

# *Venturi ejector vacuum kit Pumps A/AS 25 to 125*



**INSTALLATION**

**OPERATION**



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# VENTURI EJECTOR VACUUM KIT MOVEX

## SAFETY INSTRUCTIONS, INSTALLATION AND OPERATION

### SAFETY INFORMATIONS



#### This is a SAFETY ALERT SYMBOL.

When you see this symbol on the product, or in the manual, look for one of the following signal words and be alert to the potential for personal injury, death or major property damage.



Warns of hazards that WILL cause serious personal injury, death or major property damage.



Warns of hazards that CAN cause serious personal injury, death or major property damage.



Warns of hazards that CAN cause personal injury or property damage.

#### NOTICE

Indicates special instructions which are very important and must be followed.

#### NOTES

The numbers written after part names correspond to reference numbers in the spare parts lists..

Photos and drawings used in this IOM are not contractual.

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### TECHNICAL CHARACTERISTICS

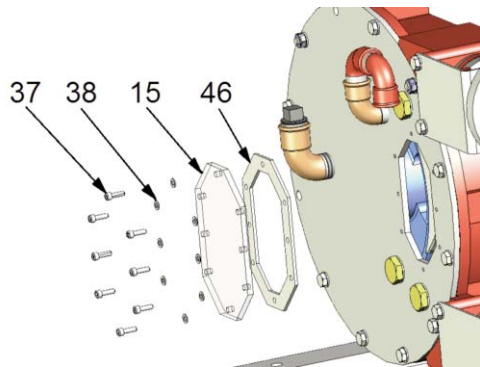
- Supply :
  - **Non-lubricated filtered air, pressure 2 to 6 bar (29 to 87 psi)**
- Optimum pressure :
  - **4 bar (58 psi)**
- Temperature :
  - **-10 → 80 °C / 14 → 186°F**
- Air consumption :
  - **67 NI/min**
- Maximum vacuum :
  - **0,5 bara in the pump body once the kit installed**
- **NON ATEX CERTIFIED**

# 1. INSTALLATION

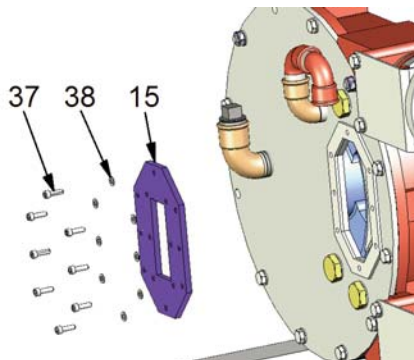
## 1.1 Pump window replacement (except on A/AS 25)

Do not operate vacuum kit with standard window (except on A/AS 25) as it may break under vacuum effect.

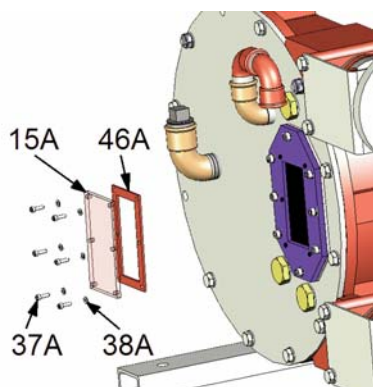
Drain pump lubricant (see pump Instructions).  
 Remove screws 37 and washers 38.  
 Remove window.  
 Check gasket 46 and replace it if necessary (see pump Parts list).



Put back gasket 46.  
 Put window adaptor 15.  
 Put back screws 37 with their washers 38.



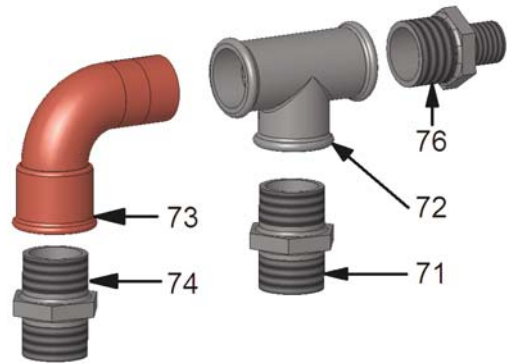
Put small window gasket 46A.  
 Put small window 15A.  
 Put screws 37A with their washers 38A.  
 Tighten screws moderately to avoid breaking small window 15A.



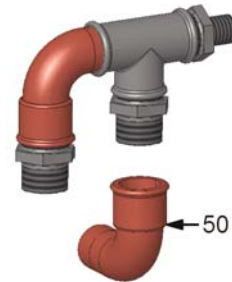
## 1.2 Vacuum kit assembly

Assemble all parts with Loctite® 577\* pipe sealant or equivalent. Wait minimum 3 hours before submitting assembly to vacuum or pressure.

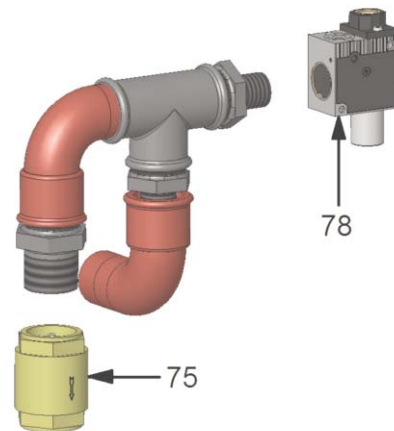
Assemble nipples 76 and 71 on T-junction 72.  
 Assemble nipple 74 on elbow 73 and the resulting assembly on T-junction 72.



Assemble elbow 50 on resulting assembly. Make sure elbow bottom port axle shows a 90° angle with T-junction horizontal axle.



Connect check valve 75 to piping assembly with **arrow orientated toward bottom**.  
 Connect ejector 78 to piping assembly, positioning air supply connection on top.

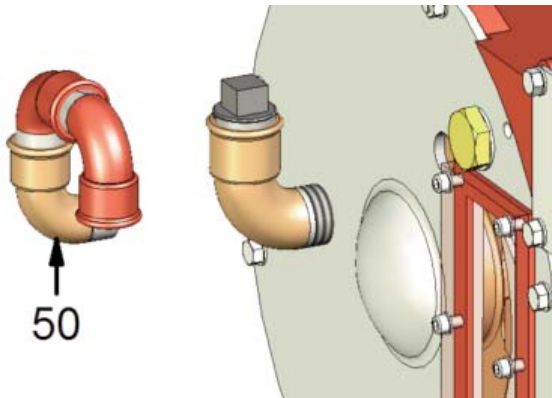


\* Loctite® is a registered trademark.

# 1. INSTALLATION (continued)

## 1.3 Vacuum kit mounting on pump

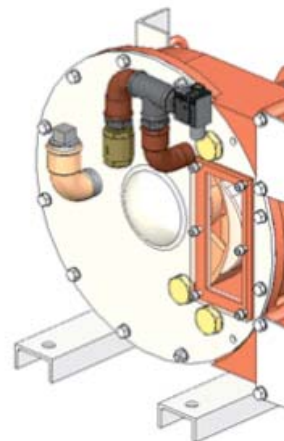
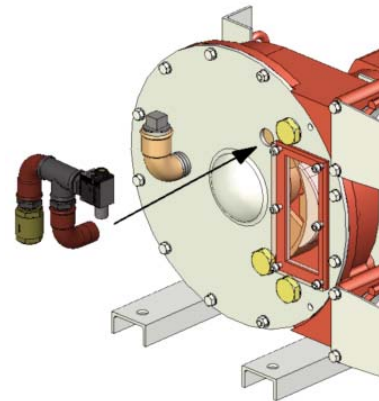
Remove the 3 elbows 50 assembly from pump cover.



Assemble complete vacuum kit on pump cover.

**Operate with Loctite® 577\* pipe sealant or equivalent. Wait minimum 3 hours before submitting assembly to vacuum or pressure.**

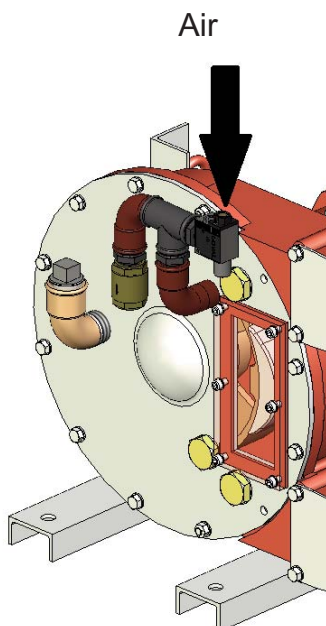
Ejector air connection must be positioned on top, check valve on the bottom.



# 2. OPERATION

Check that ejector bottom part is not obstructed (air exhaust).

Connect air supply on ejector connection.



### REMINDER :

- Air must be filtered and non-lubricated
- Minimum pressure : 2 bar
- Optimum pressure : 4 bar
- Maximum pressure : 6 bar
- Air consumption : 67 NI/min
- Air temperature : -10 à 80°C

Optimum vacuum value may take between 10 seconds and 7 minutes to be reached depending on pump size.

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