

ESSEMEC
INNOVATIVE DIES SOLUTIONS

newstark
INNOVATIVE METAL SOLUTIONS

PNEUMATIC EJECTORS



Use and maintenance handbook



This manual is to be considered part of the product. Please read this manual before beginning any activity, because it contains useful information for proper use and functioning of the product. The topics in this manual are valid for all products made from Essemec Unipersonale Srl. Before using this product you must read it .



SUMMARY

INTRODUCTION	2
NORMATIVE REFERENCES	2
MACHINE TECHNICAL DATA.....	3
USE CONDITIONS.....	4
USE INSTRUCTIONS.....	4
MAINTENANCE	8
Ordinary maintenance.....	8
Extraordinary maintenance.....	8
DISMANTLING.....	8
Putting out service.....	8
Disassembly.....	8
Scrapping.....	8
TRANSPORT.....	8
PUTTING INTO SERVICE	8
WARRANTY.....	9
WARRANTY EXCLUSION.....	9
TABLE FOR ACKNOWLEDGEMENT.....	10
MANUFACTURER'S DATA.....	10

INTRODUCTION

This manual contains information and all details thought necessary for knowledge, proper use and routine maintenance of PNEUMATIC EJECTORS.

Failure to follow the instructions contained in this manual shall invalidate the Manufacturer's machine warranty.

For any repairs or overhauling requiring fairly complex operations, always directly contact ESSEMEC.

NORMATIVE REFERENCES

The machines forming the subject of this manual have been built in conformity with the following directives:

1. Machine directive 2006/42/EC



Essemec Srl Unipersonale reserves the right to make technical changes to the DEMAGNETIZER without prior notice.

When carrying maintenance jobs, always follow the instructions of this Service Manual.

GENERAL PRECAUTION



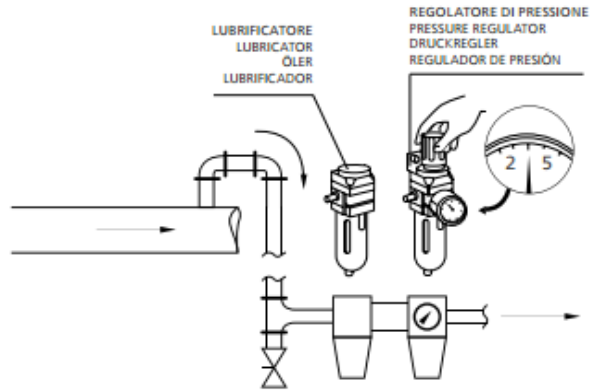
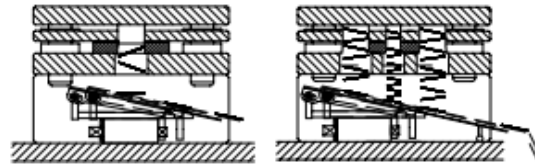
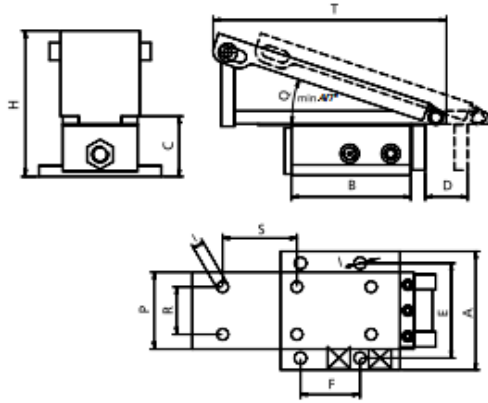
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MACHINE TECHNICAL DATA

EVACUATORI PNEUMATICI PNEUMATIC EJECTORS PNEUMATISCHE TEILEFÖRDER EVACUADORES NEUMÁTICOS

MODALITÀ DI APPLICAZIONE / APPLICATION METHODS / ANWENDUNGSBEREICHE



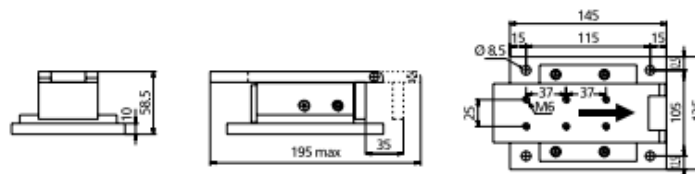
Per applicazioni con angolazioni superiori/inferiori consultare il nostro ufficio tecnico.
For the possible inclined applications consult our technical department.
Für geeignete Anwendungen setzen Sie sich bitte mit dem technischen Büro in Verbindung.
Para aplicaciones con una inclinación superior/inferior, consultar con el departamento técnico.

Inserire un regolatore di pressione e un lubrificatore.
Place a pressure regulator and lubricator.
Einen Druckregler und Öler einbauen.
Se precisa de un regulador de presión y lubrificador.

ALIMENTAZIONE AD ARIA COMPRESSA / FEED AIR COMPRESSED / SPEISUNG MIT PRESSLUFT / SUMINISTRO DE AIRE COMPRIMIDO

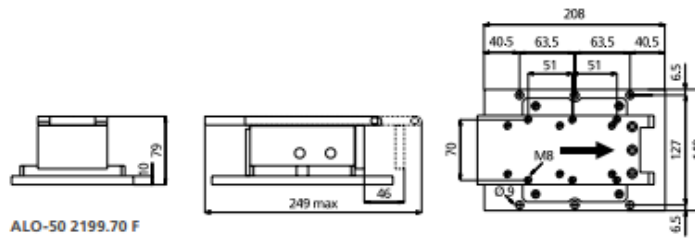
Modello - Model Modell - Modelo	Pressione di lavoro - Workpressure Betriebsdruck - Presión Q	A	B	C	D	E	F	H Max	I	P	Q	R	S	T	Carico max - Max load Max. Belastung - Mx. Carga
ALO-5	2/5 bar	90	90	29	20	72	45	83	Ø 8.5	58	max 18° min 7°	36	56	180	5 Kg
ALO-10	2/5 bar	90	90	52	35	72	45	105	Ø 9	60	max 20° min 4°	36	56	175	10 Kg
ALO-25	2/5 bar	100	106	63	36	82	55	125	Ø 9	70	max 20° min 4°	44	62	190	25 Kg
ALO-50	2/5 bar	120	120	72	46	102	96	140	Ø 9	96	max 20° min 4°	56	70	220	50 Kg

Massima inclinazione di posizionamento 20° / Maximum positioning inclination 20° / Maximale Positionierungsneigung 20° / Inclinación máxima de posicionamento 20°



ALO-10 2199.10 F

Modello Model Modell	Pressione di lavoro Workpressure Betriebsdruck Presión Q	Carico max Max load Max. Belastung Mx. Carga
ALO-10 2199.10 F	2/5 bar	10 Kg
ALO-50 2199.70 F	2/5 bar	50 Kg



ALO-50 2199.70 F

USE CONDITIONS

Pneumatic ejectors are thought and built to convey material parts through a pneumatic vibrant system, with very small dimensions, applicable even in evacuation uneasy situations. The ejector operation is guaranteed with a minimum sloping of the plate, marked in the technical file of the product.

USE INSTRUCTIONS

To correctly use the pneumatic ejectors, the following rules must be followed:

STEP 0: SAFETY

The operator who has to use the pneumatic ejectors must always wear personal protective equipment both while working and during maintenance.



Wear suitable work gear



Wear protective gloves



Wear accident-prevention shoes

1. Do not allow the staff to use the product without authorization;
2. Do not operate if the product presents any mechanical failure;
3. Do stop the product in case of strange noises or malfunctions;
4. It is prohibited to tamper with in any way the product;
5. It is prohibited to open the product;
6. It is prohibited the use for unskilled staff;
7. Keep away from children.

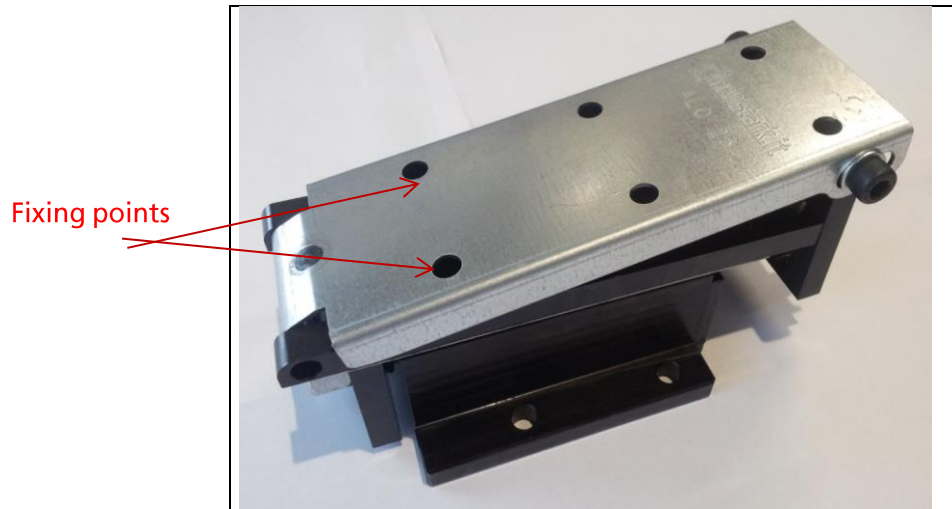


It is suggested to equip the working staff with a first aid kit.

Every modification not authorized from the constructor, that could alter the regular functionality, modifying the risks and/or generating some additional ones, will be complete responsibility of who will execute such malfunction.

STEP 1: EJECTOR PLACEMENT

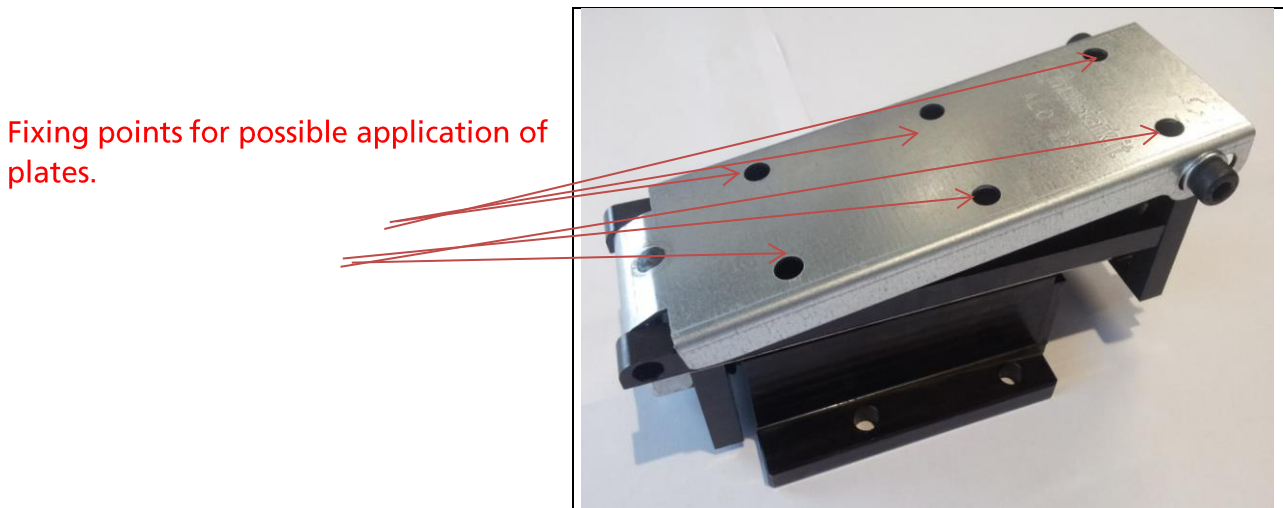
Place and set the electrical ejector in the desired position through the prearranged fixing points (marked by letter "I" in the technical file).



Pic. 1: Pneumatic ejector placement

STEP 2: PLATES APPLICATION

According to different customer needs, it is possible to apply plates on the ejector slide through the fixing points marked by letter "I" in the technical file.



Pic. 2: Slide application

STEP 3: SLOPE ADJUSTMENT

Through 2 screws it is possible to adjust the slope of the slide marked in the technical file with letter "Q". To correctly work the ejector cannot operate with the horizontal plate.

Slope adjustment screws

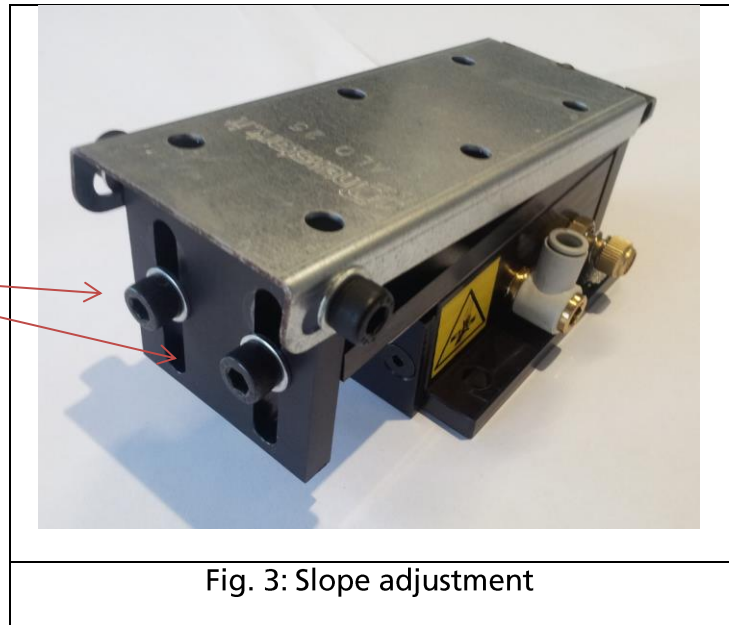


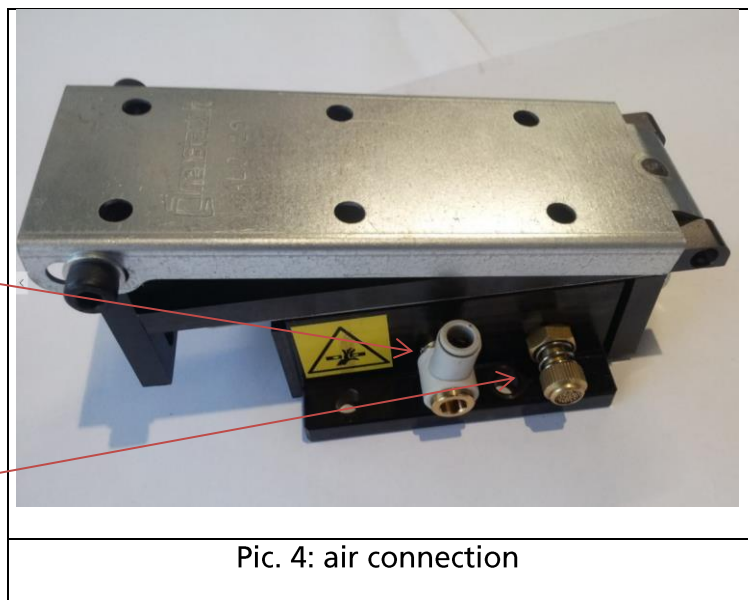
Fig. 3: Slope adjustment

STEP 4: COMPRESSED AIR CONNECTION

The ejector is equipped with a connector for air entrance that should be connected to the compressed air system through a pressure regulator and lubricator. The operating pressure should be from 2 to 5 bar.

Air entrance connector

Air drain with silencer



Pic. 4: air connection

Pressure regulator

Lubricator



Pic. 5: Air connection

MAINTENANCE

Ordinary maintenance

The pneumatic ejector does not require any routine maintenance.

Extraordinary maintenance

Special maintenance comprehends all those operations that must be executed from highly qualified staff, that means only by the Manufacturing company. These operations are not planned and usually appear in situations of breakdowns and breaks.

DISMANTLING

Putting out service

- ✓ Switch off
- ✓ Remove the power source

Disassembly

Please differentiate the material of the product as follows:

- ✓ Metallic parts
- ✓ Plastics
- ✓ Electrical parts

Scrapping

Please, dispose of the waste according to the CE regulation or the one in force in your country.

TRANSPORT

The manufacturer takes care of the delivery and the transport of the product, with a suitable packing and confectioning that conserve the technical features of the material.

PUTTING INTO SERVICE

The putting into service of the product can be simply and directly executed from the purchaser according to the instructions of use over exposed.



WARRANTY

This commercial warranty is extended till 12 months, from the purchase date.

Replacements made under warranty shall not result in any change to the warranty period. The warranty covers material and manufacturing defects affecting the operation of the product and which make it unsuitable for the use for which it was intended, as long as these are promptly reported, in any case no more than 2 days from their discovery. Our services under warranty are strictly subject to the purchaser having fulfilled all its obligations up until the date the claim is made and the subsequent date the jobs are done under warranty.

In case that the nature of the defect is such to need the repair in place, all travel, board and lodging costs, local transports, salary and transfer of our staff will be debited to the customer and calculated basing on the rates of the enforced tables.

Please control, therefore, the product at the moment of the delivery, in order to verify eventual damages caused by the transport. Claims or annulment must be advanced to "Essemec Srl Unipersonale" in writing form, within 14 days from the delivery date.

WARRANTY EXCLUSIONS

The warranty shall be invalidated in the following cases:

- 1) If a positioning error occurs attributable to the operator.
- 2) If the instructions provided in this manual have not been followed.
- 3) The warranty does not cover damage caused by negligence, carelessness, bad or incorrect use of the support.

