

Original Operating Instructions for the Pneumatic Impactor of HAFNER Pneumatika

KFZ-080

Dear Partner!

Thank you for choosing our company's product. In order to provide safe operation and for your own safety, please read the operating instructions carefully before using the appliance. In case you have any further questions, please contact our customer service.

Phone: + 36-96-573-012

E-mail: ertekesites@hafner-pneumatika.com

Web: <http://www.hafner-pneumatika.com>

Please follow the link below for the warranty conditions for the products of HAFNER Pneumatika:

https://hafner-pneumatika.com/media/56/aa/b7/1723032755/HAFNER_Pneumatika_Garancialis_feltetelek_EN.pdf

Valves manufactured by HAFNER Pneumatika are subject to compliance with their General Operating Conditions, available via the link:

https://hafner-pneumatika.com/media/56/aa/b7/1723032755/HAFNER_Pneumatika_Garancialis_feltetelek_EN.pdf

Declaration of Conformity for the products of HAFNER Pneumatika is available via the following link:

https://hafner-pneumatika.com/media/ce/1e/02/1723032754/HAFNER_Pneumatika_Gyartoi_megfelelosgi_nyilatkozat_EN.pdf

General Information

Failure to follow the instructions in this manual or any improper installation made on the device will fully invalidate your warranty. The warranty for the device and all accessories becomes invalid at the same time. It is also obligatory to take into account the operating methods described in this document and the signs and instructions placed on the product.

Please follow the General Technical Rules when selecting the appropriate device and during its operation.

Avoid any unintentional operation and movement of the device.

It is forbidden to disconnect connections, lines or systems under pressure.

It is forbidden to unscrew the cover of the product and thus make any changes to the inside of the product.

Consider the importance of the domestic and international regulations.

The diverter valves of HAFNER Pneumatika are intended for the operation of pneumatic devices using compressed air. Their use with liquids or gases is considered an improper use.

remove



Installation

Make sure that the air holes of the device, the space between the adapter plate, the mounting surface and the console remain free of contamination after removing the packaging and the tape (Figure) covering the impact piston.

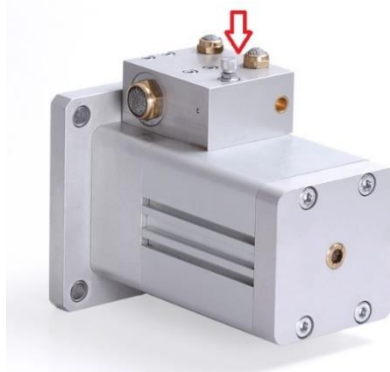
The quick-air exhaust valves should be selected for the impactors according to the individual requirements to ensure secure pipe connection and proper seal. Make sure you use only clean, preferably new piping. Avoid sharp bends in the air ducts.

The device can only be installed by a specialist and in accordance with the relevant regulations. Make sure the device is secured properly by using the holes in the adapter plate of the unit. Always make sure that it is mounted on in a completely secure, fixed way to ensure proper operation and to avoid failures or accidents.

If you purchased the product to replace LOK 70 pneumatic impactor, first you need to mount the adapter plate onto the place of the pneumatic impactor you want to replace (the spacing of mounting holes is the same as with LOK70), then mount our pneumatic impactor on the plate using the screws provided.

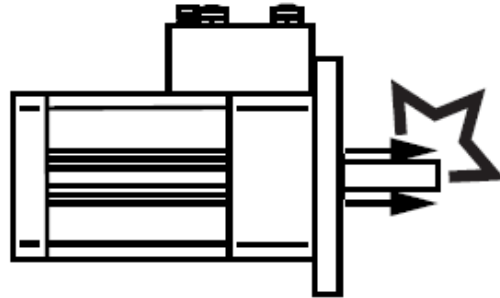


The pneumatic impactor is controlled by the actuator valve mounted on it. It can only be operated via the quick-air exhaust valve driven in the single free hole in the valve, it cannot be connected any other way.



Improper connection of the pipeline may result in malfunction or permanent failure.

CAUTION: Do not place the device under pressure before the installation! The piston rod may be pushed out with great force when under pressure!



Operation

Once you installed the pneumatic impactor properly and in accordance with the instructions, you can begin the commissioning process.

- fasten the frequency adjustment screw properly (turning it clockwise)
- supply air pressure as required according to the pressure range
- start turning the frequency adjustment screw (figure) counter clockwise slowly, (the device will start operating. While adjusting it slowly, the frequency will increase to the required value (max. 9 stroke/s))
- after setting the required number of strokes, secure the adjusting screw with the retaining nut.
- the next time you start up, all you have to do is to supply the air to the pneumatic impactor, the device will operate at the frequency as set previously.



The frequency can be increased or decreased as required using the adjusting screw.

The pressure range for the device is available in the online catalogue of HAFNER Pneumatika (4-10 bar).

Attention! Overpressure may result in an inoperable device.

Use only cleaned and oiled, or oil-free compressed air in accordance with ISO 8573-1 [7: 4: 4] as medium. When using oiled air, be careful not to release oiled air into the environment while draining the system and venting the exhaust air generated during the operation.

The temperature rise in the device is minimal, regardless of the medium used.

The temperature of the ambient and controlled medium is normally -25 °C to + 80 °C.

If the valve is operated at a temperature below 4°C, make sure that the dew point of the controlled medium is lower than the ambient temperature by 15 °C, ensuring, that no condensate precipitates out of the controlled medium. The air must be dried properly!

Operating environment:

Normal operating conditions, atmosphere containing air or inert gases.

The elements are made of aluminium or stainless steel, however, make sure that the outer surface of the device does not come into contact with liquid or corrosive media.

Troubleshooting guide

In case of malfunction or improper operation:

- Is the device connected properly?
- Does the supply point receive the required minimum pressure?
- Is the frequency adjustment screw not fully closed or fully open? In this case, start commissioning again as described above.
- Has the right product been selected for the task? Does the type meet the requirements?

In case of improper operation, leakage:

- There is a leak (either external or internal) detected. Is the valve leaking? Is the system properly sealed at all connectors? Is the operated unit operable?
- Is the correct pressure applied (not too high/low)?
- Has the right product been selected for the task? Does the type meet the requirements?

Maintenance

Check the proper operation of the product regularly through switching it on at least once a month and ensure proper air cleanliness.

In the event of malfunction, check the connections of the pneumatic lines and the operating pressure.

Release of pressurized lines is **not permitted!**

If the failure cannot be rectified this way, make sure that the device is not under pressure, then disconnect the device from the mains.

In case of improper operation, please contact **HAFNER Pneumatika Kft.** Do not disassemble the device, as this will invalidate the warranty!

Warning

Any repair work may only be carried out by a suitably trained specialist equipped with the suitable tools. Any intervention not approved by the manufacturer will invalidate the warranty.

Avoid injuries!

Collision with rusty or light metals can cause sparks. Do not use tools with corroded surfaces and protect the product from mechanical impact.

Dust deposits on the heated surfaces are flammable, therefore the unit needs regular cleaning.

Dispose of the product in accordance with the national regulations.

EC Declaration of Conformity According to Directive 2006/42/EC on Machinery

Business name and full address of the manufacturer of the partly completed machinery:

HAFNER Pneumatika Kft.
9228 Halászi Püski út 3.

Authorised representative: Gergely Ujváry general manager.

Description and identification of the partly completed machinery: KFZ-080 pneumatic impactor.

During the planning, manufacturing and handling of this partly completed machinery were the essential requirements of the directive 2006/42/EC applied and fulfilled, and the relevant technical documentation is compiled in accordance with part B of Annex VII.

The partly completed machinery meets the requirements of the following relevant standards:

ISO 12100:2010 – Safety of machinery. General principles for design. Risk assessment and risk reduction,
ISO 4414:2010 – Pneumatic fluid power. General rules and safety requirements for systems and their components.

The manufacturer undertakes to transmit, in response to a reasoned request by the national authorities, relevant information on the partly completed machinery. The method of transmission is in digital protected format, or during a personal demonstration at the manufacturing plant of the manufacturer.

The partly completed machinery must not be put into service until the final machinery into which it is to be incorporated has been declared in conformity with the provisions of the directive 2006/42/EC on Machinery, where appropriate.

Halászi, 10. Oktober 2024



Gergely Ujváry
Managing Director