



EMPOWERED PERFORMANCE

VIP: PNEUMATIC AXIAL VALVE

IN SPECIAL EXECUTION FOR OXYGEN APPLICATION



The product together with this instruction label has been produced, checked and verified according to the procedures of the OMAL Quality System to be specifically used in OXYGEN application.

The application of the additional marking "O2" or other specific marking for use with oxygen, the goods shipped in a sealed envelope, the presence of the following stick

WARNING PRODUCT FOR OXYGEN

Avoid contamination with oil or grease.
Handle with gloves and clean tools.

Which guarantees that the product is completely degreased, devoid of any organic contaminant that can react with oxygen and that all the components, included greases and sealants are compatible and certified to operate with pure oxygen at the following operating conditions:

MAXIMUM PRESSURE 10 Bar (1MPa)

MAXIMUM TEMPERATURE 60°C.

The safety of the valve, is therefore linked to the care and the attention that the user must have during the start up and to maintain the proper efficiency of the valves itself, avoiding organic contamination of any kind of the parts intended to come in contact with the oxygen.

Specifically must be remembered that:

1) European directive 2014/34/EU ATEX, between the controller products does not speak of oxygen or other mixture in percentage superior than the concentrations of oxygen in the air. IT IS ANYWAY FUNDAMENTAL THAT, IN CASE THE VALVE WILL BE INSTALLED IN A CLASSIFIED AREA, IN PHASE OF ORDER THE VALVE WILL BE REQUESTED ACCORDING TO THE ATEX DIRECTIVE.

2) The design of the product involves the risk that, in case of wear of the seals or in case of dirt into the control air, the oxygen into the valve can penetrate into the chamber of the control air and following into the ambient

3) It is fundamental to make a good maintenance of the valve carrying out a periodic clearing and the preventive substitution of all the seats in elastomeric material, within the conditions below mentioned and listed:

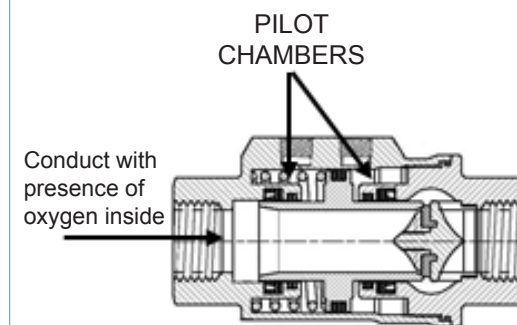
a) Substitution of the seats within a maximum of 48 months from production date and 36 months from the start up date, this with the aim of avoiding a quick aging of the elastomers

b) When the following working cycles are reached:

DN	CYCLES NUMBER
10	250.000
15	250.000
20	200.000
25	200.000
32	150.000
40	125.000
50	100.000

Must be anyway underlined that who knows at the best the level of stress of the valve and the risk inside the plant is the designer of the plant and the user of the plant. The designer and the user of the plant are the two entities entitled of making the final evaluation of the schedule of frequency of maintenance to guarantee the safety and efficiency of the plants where the valves are installed .

WE RECOMMEND TO USE INERT FLUID TO CONTROL THE VALVE (OPEN / CLOSE) TO AVOID GENERATING AN UNSTABLE OR POTENTIALLY EXPLOSIVE MIXTURE INSIDE THE CONTROL CHAMBERS.



WARNINGS

The product is not suitable for application for oxygen applications where are requested OMOLOGATIONS, analysis, checks or further requirements which are not included in this instruction.

Maintenance should be performed by Manufacturer. Spare parts are not available for this products.

OMAL S.p.A.
Headquarters: Via Ponte Nuovo, 11 - 25050 Rodengo Saiano (BS) Italy
Production Site: Via Brognolo, 12 - 25050 Passirano (BS) Italy
Ph. +39 030 8900145 · Fax +39 030 8900423 · info@omal.it ·
www.omal.com