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1 MACHINE AND MANUFACTURER IDENTIFICATION

Table with 2 columns: Model/Specification and Value. Includes PULSI logo and technical details like power (1200W) and speed (1700 RPM).

AVAILABLE MODELS: E50 230V 50 Hz. MANUFACTURER: PULSI S.p.A. Via Feltrina, 12 - 31044 Montebelluna (TV) - Italy.

2 CONFORMITY

SEE "DECLARATION OF CONFORMITY" SHEET

3 MACHINE DESCRIPTION

SELF-PRIMING, VOLUMETRIC, ROTATING ELECTRIC VANE PUMP EQUIPPED WITH PRESS VACUUM BRUSH MOTOR POWERED BY ALTERNATE CURVED VANES WITH REVERSIBLE CYCLE. CLOSED TYPE, IP65 PROTECTION CLASS, ACCORDING TO IEC 60529. LARGE MOUNTED DIRECTLY TO THE PUMP BODY.

3.1 DEFINITION OF CLASSIFIED ZONES

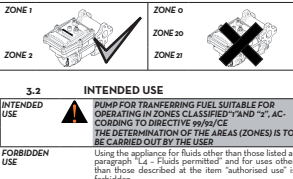
Definition of zones as shown in directive 90/269/EEC. Places where an explosive atmosphere made up of a mix of air and inflammable substances in the form of gas, vapour or mist, can occur occasionally during normal operation.

3.2 DEFINITION OF CLASSIFIED ZONES

Places where it is probable that an explosive atmosphere in the air is continuously present, either for long periods or frequently. Note: Generally speaking, said conditions, when they occur, involve the inside of tanks, pipes and containers, etc.

3.3 DEFINITION OF CLASSIFIED ZONES

Places where it is probable that an explosive atmosphere in the air is continuously present, either for long periods or frequently. Note: Generally speaking, said conditions, when they occur, involve the inside of tanks, pipes and containers, etc.



3.2 INTENDED USE

PUMP FOR TRANSFERRING FUEL SUITABLE FOR OPERATING IN ZONES CLASSIFIED "AND 2", ACCORDING TO THE DIRECTIVE. THE DETERMINATION OF THE AREAS (ZONES) IS TO BE CARRIED OUT BY THE USER.

3.3 HANDLING AND TRANSPORT

Due to the limited weight and dimensions of the pump, special lifting equipment is not required to handle them. The pumps are carefully packed before dispatch.

4 GENERAL WARNINGS

To ensure operator safety and to protect the pump against potential damage, the pump must be fully acquainted with this instruction manual before performing any operation.

5 TECHNICAL DATA

The performance diagram shows flow rate as a function of fluid characteristics.

Table with 4 columns: Functioning Point, Absorption (l/min), Flow Rate (l/min), Back Pressure (bar). Points A, B, and C are defined.

6 ELECTRICAL DATA

Table with 3 columns: POWER SUPPLY, CURRENT, POWER CORD INPUT. Includes voltage (230V) and current (1.2 A).

9 OPERATING CONDITIONS

9.1 ENVIRONMENTAL CONDITIONS

min. +5 °F / max. +104 °F. min. 0 °C / max. 40 °C. min. -20 °F / max. +100 °F. min. -4 °C / max. +38 °C. max. 90%.

5 FIRST AID RULES

In the event of problems developing following EYE/ SKIN CONTACT (INHALATION or INGESTION) of treated product, please refer to the SAFETY DATA SHEET (SDS) for further instructions.

6 GENERAL SAFETY RULES

IT IS ESSENTIAL TO GET TO KNOW AND UNDERSTAND THE INFORMATION CONTAINED IN THIS MANUAL. IT IS ESSENTIAL TO GET TO KNOW AND OBSERVE THE SAFETY SPECIFICATIONS FOR FLAMMABLE LIQUIDS.

3 PERSONAL PROTECTIVE EQUIPMENT

Essential protective equipment which is required to be performed, as indicated in the table in the paragraph 9.1. TO DO SO, PLEASE REFER TO THE RELEVANT TECHNICAL DATA SHEETS OF THE FLUID USED.

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7 PERFORMANCE SPECIFICATIONS

The performance diagram shows flow rate as a function of fluid characteristics.

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9.1 ENVIRONMENTAL CONDITIONS

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9.2 ELECTRICAL POWER SUPPLY

The pump must be powered by AC line, the nominal values of which are indicated on the table in the paragraph 9.1. THE MAXIMUM ACCEPTABLE VARIATIONS FROM THE ELECTRIC SUPPLY DATA ARE:

9.3 DUTY CYCLE

The pumps have been designed for intermittent use and a duty cycle of 30 min. ON and 60 min. OFF IN order to maximize the motor temperature (°C) AND AT NOMINAL TRANSFER CONDITIONS.

9.4 FLUIDS PERMITTED

THE PUMP CAN BE USED ONLY WITH THE FOLLOWING FLUIDS: DIESEL - KEROSENE - PETROL - ALCOHOL MIXED MAX 5% - AVIASOL 100 (pump only) - JET A-1 (pump only) - ASPEN-2.

10 INSTALLATION

BEFORE ANY OPERATION ENSURE TO OUP OF POTENTIALLY EXPLOSIVE AREAS.

10.1 POSITIONING, CONFIGURATIONS AND ACCESSORIES

The pump must be secured in a stable manner.

10.2 NOTES ON SUCTION AND DELIVERY LINES

The selection of the pump model must be made taking into account the characteristics of the system.

11 CONNECTIONS

BEFORE ANY OPERATION ENSURE TO OUP OF POTENTIALLY EXPLOSIVE AREAS.

12 INITIAL START-UP

Check that the quantity of fluid in the suction tank is greater than the amount you wish to transfer.

13 EVERY DAY USE

If flexible pipes are used, attach the ends of the piping to the pump and ensure that the piping is not under tension.

14 MAINTENANCE

THE PUMP IS DESIGNED AND CONSTRUCTED TO REQUIRE A MINIMUM OF MAINTENANCE.

15 NOISE LEVEL

Under normal operating conditions, noise emission of all models does not exceed 74 dB at a distance of 1 metre from the electric pump.

16 PROBLEMS AND SOLUTIONS

For any problems contact the authorised dealer nearest to you.

17 DEMOLITION AND DISPOSAL

If the system needs to be disposed, the parts which make it up must be delivered to a company that specialises in recycling and disposal of industrial waste and, in particular, the packaging consists of biodegradable cardboard which can be delivered to companies for normal recycling of waste.

14 MAINTENANCE

Authorized maintenance personnel. All maintenance must be performed by qualified personnel. Tampering can lead to performance degradation, danger to persons and/or property and may result in the warranty and ILLIEX CE/UL/ETL labels voided.

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11.2 PIPING CONNECTIONS

FOREWORD: Before carrying out any connection, refer to the visual indications in the manual to help you identify suction and delivery lines.

12 INITIAL START-UP

Check that the quantity of fluid in the suction tank is greater than the amount you wish to transfer.

13 EVERY DAY USE

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18 EXPLORED VIEWS

See the exploded view of the pump for details of the various components and their assembly.

19 PROBLEMS AND SOLUTIONS

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