

SI VACUUM MED R25

ISO 11607.2 FULLY VALIDATABLE PNEUMATIC VACUUM IMPULSE SEALER

FOR MEDICAL POUCHES AND REELS

VACUUM VENTURI SUCTION SYSTEM AND GAS INJECTION

NEW ROPEX RESISTRON[®] RES 5450 CONTROLLER

PNEUMATIC VACUUM HEAT SEALER.

VALIDATED ACCORDING TO ISO 11607.2, ISO TS 16775, EN 868-2, DIN 58953-7 STANDARDS.

VERTICAL / HORIZONTAL SEALING DEPENDING ON WHETHER OR NOT THE SUPPORT IS USED.

SEALING MM 8, FLAT.

SEALING LENGTHS MM 720.

HEAT SEALABLE MATERIALS: BAGS/ROLLS EN 868-5, TYVEK[®], PAPER/PAPER EN 868-4, WITH GUSSETS, LAMINATED AL, PP, HEADER BAGS, POLYETHYLENE, ULTRA[®]

VENTURI PUMP SUCTION SYSTEM.

KEY BENEFITS

PACKAGING PROCESS VALIDATION

CUTTING EDGE TECHNOLOGY FOR AUTOMATIC CONTROL AND RECORDING OF CRITICAL SEALING PARAMETERS TO ENSURE CONSTANT AND REPEATABLE HIGH QUALITY OVER TIME, COMPLIANT WITH ISO 11607.2 STANDARDS AND INTERNATIONAL GUIDELINES EN-ISO TS 16775.

PERFORMANCE

SI VACUUMMED R25 COMES STANDARD WITH NEW ROPEX RESISTRON[®] RES 5450 CONTROLLER, EVEN MORE HIGH PERFORMING.

SAFETY

MM 720 X MM 8 WIDE FLAT SEAL FOR A PERFECT SEAL STRENGTH WITH AN EASY, SAFE AND EFFECTIVE PEELABILITY.

COMMUNICATION INTERFACES

A DIAG INTERFACE ALLOWS COMMUNICATION WITH A DEDICATED SOFTWARE FOR TRACEABILITY.

TRACEABILITY

AVAILABLE DEDICATED SEALING PARAMETERS TRACEABILITY SOFTWARE.

HUMAN INTERFACE

COLOUR LCD AND EASY TO USE SOFTWARE ALLOWS A USER FRIENDLY APPROACH TO THE SEALER.

VACUUM PACKAGING

SI VACUUM SEALER EMPLOYS A POWERFUL VACUUM NOZZLE WITH A DOUBLE SEALING BARS TO ENSURE THAT PRODUCTS ARE PACKED IN AIRLESS OR MODIFIED ATMOSPHERE ENVIRONMENT.

SI VACUUM SEALER IS ABLE TO GUARANTEE UP TO 70% VACUUM LEVEL.

CLEANING AND DISINFECTION

FULLY STAINLESS STEEL, IT ALLOWS AN EASY AND EFFECTIVE CLEANING AND DISINFECTION.

ENERGY SAVING

ALL GANDUS MEDICAL SEALERS ARE DESIGNED AND



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NEW CONTROLLER ROPEX RESISTRON[®] RES 5450

- GRAPHIC DISPLAY OF THE MEASURED VALUES
- RECIPE MANAGEMENT, MAX 9 RECIPES
- TRC CALCULATOR: ADJUSTMENT OF THE HEAT SEALING BAND TC BY MEANS OF REFERENCE VALUE INPUT
- CSA CERTIFICATION
- PASSWORD MANAGEMENT
- HIGH RESOLUTION COLOR DISPLAY (TFT)
- INTUITIVE CONFIGURATION MENU
- BATCH COUNTER
- GALVANICALLY ISOLATED ANALOG OUTPUT
- USB-C FOR ROPEX VISUAL SOFTWARE
- DYNAMIC QR CODE WITH INSTRUCTIONS FOR
- TROUBLESHOOTING (ROPEX WEBSITE)
- PARTS COUNTER
- PC INTERFACE FOR DIAGNOSTICS AND MAINTENANCE



- FORCE AND TEMPERATURE MEASUREMENT WITH DIAGNOSTICS
- AMBIENCE TEMPERATURE DETECTION FOR AUTOCAL
- OUTPUTS STATUS DISPLAY
- HIGHER POWER DUE TO PRIMARY SIDE CONTROL
- WIDE VOLTAGE RANGE
- SEALING CYCLES COUNTER
- ON-SITE FIRMWARE UPDATE (ROPEXUPDATE)
- SEVERAL CONFIGURABLE GALVANICALLY ISOLATED OUTPUTS AND INPUTS SIGNALS
- ALARM OUTPUT
- PUSH-IN CONNECTORS

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TECHNICAL DATA

GENERAL FEATURES

STAINLESS STEEL FRAME

ADJUSTABLE FREE EDGE

BUILT-IN CUTTING DEVICE

SEALING

IMPULSE SEALING

KIND OF SEALING-FLAT

SEALING WIDTH 8 MM

SEALING LENGTH 720 MM

DISTANCE SEALING-MEDICAL PRODUCT MM ≥ 30 DIN RULES

HEAT SEALABLE MATERIALS

POUCHES/REELS EN 868-5

TYVEK[®] POUCHES/REELS

PAPER POUCHES EN 868-4

GUSSETED POUCHES/REELS

LAMINATED AL POUCHES

PP POUCHES

HEADER BAGS

POLYETHYLENE

ULTRA[®] POUCHES/REELS

ISO 11607-2

AUTOMATIC CRITICAL SEALING PARAMETERS CONTROL

TEMPERATURE. FORCE, TIME CONTROL

SEALING PARAMETERS VISUALIZATION AND RECORDING

SEALER FUNCTIONING DIAGNOSTIC AND CHECK

ALARM/STOP TEMPERATURE TOLERANCE ± 5 °C (DIN 58953-7)

ALARM AND STOP ADJUSTABLE TOLERANCE

FORCE ALARM AND STOP

TIME ALARM AND STOP

TECHNICAL DATA

CERTIFICATIONS/SAFETY

UNI EN ISO 11607-2:2006

UNI EN 868-5:2009

DIN 58953-7

DIRECTIVES 2006/42/EC-2014/30/EU-2014/35/EU

UNI/TR 11408:2011

MANUFACTURED IN A UNI EN ISO 9001:2015 QUALITY SYSTEM
CERTIFIED COMPANY

PARAMETERS

SEALING TIME (SEC.)

MAX SEALING TEMPERATURE 200°C

REFERENCE SEALING FORCE ABOUT 650N

TEMPERATURE TOLERANCE $\pm 1\%$

FORCE RANGE 700–850N

CALIBRATION

HEATING AUTOCALIBRATION FUNCTION

AUTOMATIC SELF CHECK OF THERMOCOUPLE BATTERY AND REMOTE
SERVER CONDITION AT START-UP

TEMPERATURE/FORCE/TIME CALIBRATION

FUNCTIONS

MICROPROCESSOR

MULTILANGUAGE MENU

TEMPERATURE AND TIME SETTING

ENERGY SAVING

ON BOARD BATTERY FOR DATA RETENTION EVEN WITH MACHINE
OFF

PERIPHERIES CONDITION AND DIAGNOSTIC CHECK UP AT START-UP

DISPLAY SHUTDOWN

SETTABLE COUNTER

CLOCK AND CALENDAR FUNCTION

E&OE

Technical modifications reserved 05/2025

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TECHNICAL DATA

VACUUM FUNCTION

VENTURI VACUUM PUMP
AIR SUCTION CAPACITY M³/H 11,3
GAS INJECTION
VACUUM TIME FUNCTION
GAS TIME FUNCTION
9 SETTABLE PROGRAMS

INTERFACES

COLOUR LCD
MEMBRANE KEYBOARD
PC CONNECTION
REMOTE CONTROL
DIAG PORT
BACK UP RECORDINGS ON PC

TRACEABILITY AND SOFTWARE

TRACEABILITY THROUGH DIAG INTERFACE
ROPEX VISUALIZATION REMOTE CONNECTION SOFTWARE

TECHNICAL DATA

POWER SUPPLY

POWER SUPPLY 100; 110/115; 230/240 VAC SINGLE PHASE
MULTI FREQUENCY; FREQUENCY 50/60 HZ
MAX POWER 2500 W

ACCESSORIES

SIS STAND (ADJUSTABLE IN HEIGHT)
SIPO/SIPI WORKTABLE (ADJUSTABLE, HORIZONTAL/INCLINED)
SICO CONSTANT HEAT SEAL
SICU CUTTING DEVICE MAX MM 450

SERVICES

SEAL STRENGTH TEST EN 868-5
MACHINE CALIBRATION
MAINTENANCE

DIMENSIONS / WEIGHTS

DIMENSIONS 790x487x241 MM / WEIGHT 36 KG
