

What is Rinnovex ?:

It's a system for reconditioning the electrical panel of all types of extruders with selected and preconfigured elements. It's composed of a BASIC KIT containing 8 preconfigured temperature controllers + a manual, and an EXPANSION KIT containing 4 preconfigured temperature controllers. Both kits can be integrated with sensors, indicators, and solid relays selected from the wide range of GEFRAN components for industrial automation.

Who is Rinnovex for?:

- plastics processors
- panel builders, control panel operators and reconditioners
- system integrators

Why Rinnovex ?:

- it's guaranteed by Gefran, the leader in plastics machinery automation for 25 years
- it's a dedicated and complete solution with components produced and preconfigured by a single company
- it's easy to install and start up, with a manual-guide to revamping and WINSTRUM software for rapid modification of setup parameters.

Benefits:

- **greater system reliability**
- **better control of processing procedures**
- **low-cost operation and completeness**

BY GEFRAN

MOD. 1000 OR MOD 600 TEMPERATURE CONTROLLER:

- 96x48 mm or 48x48 mm format
- preconfigured instruments
- simplified optimization of control



GTS POWER SOLID STATE RELAY:

- DIN bar installed on rear panel
- currents: 25, 40, 50 and 90 A
- power switching without generating interference on line
- LED to signal trigger control



M316 OR M326 HIGH-TEMPERATURE PRESSURE

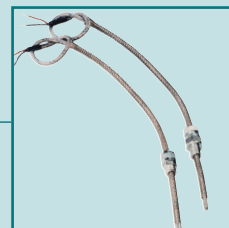
PROBES AND MELT ACCESSORIES:

- pressure scales: 350, 500, 700 and 1000 Bar
- standard threading: 1/2" - 20 UNF
- availability of cleaning tools and standard punching 1/2" - 20 UNF
- working temperature up to 400°C



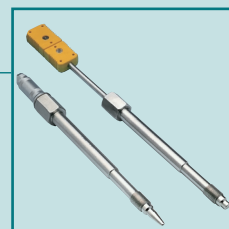
TEMPERATURE PROBES:

- bayonet mounts
- "J" type isolated element
- connection threading 1/4" GAS "A" = 12mm
- 15 mm immersion length



MELT TEMPERATURE PROBES:

- standard threading 1/2" - 20 UNF
- flat or elliptical tip, self-aligning with material flow
- "J" type isolated element
- rod material AISI 304
- cable+stainless sheath +std. male+female conn.
- 5 mm immersion length



40B96 OR 4T96 INDICATORS / ALARM UNITS

- 48x96 format
- display of process variables
- minimum and maximum pressure alarm settings



REVAMPING MANUAL:

- detailed description of product
- installation description
- application schemes
- list of preconfigured parameters
- step-by-step instructions for parameter change
- automatic calibration / PID calculation activation procedures



COMPOSITION KIT
BY GEFRAN

TABLE FOR SELECTION OF KIT COMPOSITION

CODE	DESCRIPTION	QUANTITIES'
RINNOVEX 1000	8 temperature controllers dim. 48x96 mod. 1000 R0 2R 0 1/A81+ revamping manual + GEFRAN t-shirt	n.....
RINNOVEX 600	8 temperature controllers dim. 48x48 mod. 600 RDR 0 1/A86 + revamping manual +GEFRAN t-shirt	n.....
RINNOVEX 1000 ESP	4 temperature controllers dim. 48x96 mod. 1000 R0 2R 0 1/A81	n.....
RINNOVEX 600 ESP	4 temperature controllers dim. 48x48 mod. 600 RDR 0 1/A86	n.....
GTS 25/480V	25A 480Vac solid state relay	n.....
GTS 40/480V	40A 480Vac solid state relay	n.....
GTS 50/480V	50A 480Vac solid state relay	n.....
GTS 90/480V	90A 480Vac solid state relay	n.....
M3 1 6 M B35D 1 4 D 000	melt pressure probe standard 1/2-20 UNF connection with flexible sheath f.s.350 bar	n.....
M3 1 6 M B05C 1 4 D 000	melt pressure probe standard 1/2-20 UNF connection with flexible sheath f.s.500 bar	n.....
M3 1 6 M B07C 1 4 D 000	melt pressure probe standard 1/2-20 UNF connection with flexible sheath f.s.700 bar	n.....
M3 1 6 M B01M 1 4 D 000	melt pressure probe standard 1/2-20 UNF connection with flexible sheath f.s.1000 bar	n.....
M3 2 6 M B35D 1 4 D 000	melt pressure and temperature probe standard 1/2-20 UNF connection with flexible sheath f.s. 350 bar	n.....
M3 2 6 M B05C 1 4 D 000	melt pressure and temperature probe standard 1/2-20 UNF connection with flexible sheath f.s. 500 bar	n.....
M3 2 6 M B07C 1 4 D 000	melt pressure and temperature probe standard 1/2-20 UNF connection with flexible sheath f.s. 700 bar	n.....
M3 2 6 M B01M 1 4 D 000	melt pressure and temperature probe standard 1/2-20 UNF connection with flexible sheath f.s. 1000 bar	n.....
TC5 B 1 J 5 Q I B 3/050 0 000 X 00015 X 0	thermocouple with bayonet mount and 5 m cable	n.....
TCM CP 1 J 0 A 0 T F/002 X 000 X 00000 X0	melt temperature probe, contact-type	n.....
TCM GF 1 J 0 A 0 T F/002 X 000 X 00005 XX	melt temperature probe 5 mm immersion adjustable according to material flow	n.....
40B96 4 10 RR R 0 1 A82	pressure alarm unit with 2 alarm points precalibrated to 350 bar	n.....
40B96 4 10 RR R 0 1 A83	pressure alarm unit with 2 alarm points precalibrated to 500 bar	n.....
40B96 4 10 RR R 0 1 A84	pressure alarm unit with 2 alarm points precalibrated to 700 bar	n.....
40B96 4 10 RR R 0 1 A85	pressure alarm unit with 2 alarm points precalibrated to 1000 bar	n.....
4T96 4 00 1	melt temperature indicator, configurable by screw turns, motor current, line speed	n.....
KF12	punch kit 1/2-20 UNF for melt probes	n.....
CT12	cleaning kit 1/2-20 UNF for melt probes	n.....
Q94	hole plug 48x96 Q94	n.....
Q48	hole plug 48x48 Q48	n.....
51185	silicone rubber protection 48x96	n.....
51183	silicone rubber protection 48x48	n.....

For more information, please fill in this form and fax it to Gefran Spa at +39 0309839063 or fill in the form on our site www.gefran.com

Company _____

First name, Last name _____

address _____

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NOTES: _____

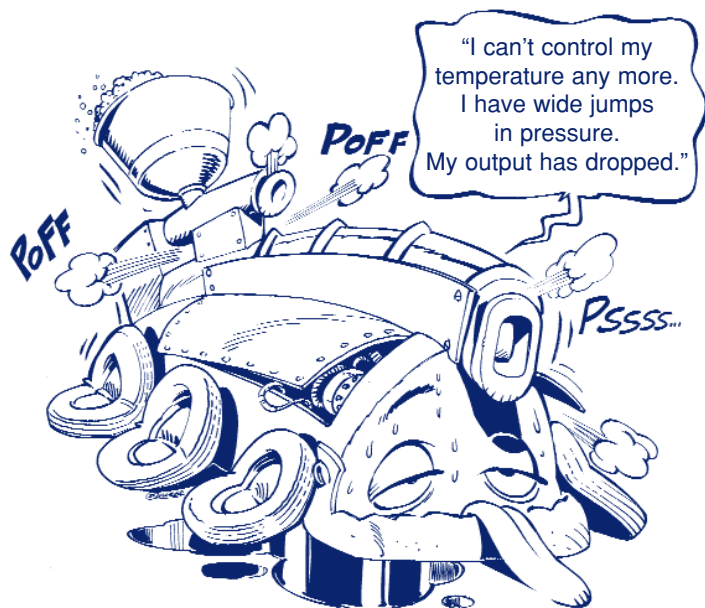
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RINNOVEX

FOR RECONDITIONING YOUR EXTRUDER

THE SOLUTION

BEFORE



WITH RINNOVEX

BY GEFRAN



AFTER



GEFRAN



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PLASTIC EXTRUSION



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THE SOLUTION FOR
RECONDITIONING
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