

Walcom® USA

THERMODRY TECHNOLOGY



MADE IN ITALY

ENG

THERMODRY TECHNOLOGY

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PRODUCTS ENGINEERED TO PERFORM



PEOPLE DEDICATED TO CUSTOMER SERVICE

Walmec (est. 1945), an Italian manufacturing company, has more than sixty-years of constant growth history in the spray equipment industry. Passion for innovation, technology and new product development have always been its values. Business success has been built up by meeting the strict regulations and, above all, meeting the customers needs.

Walcom USA (est. 2008), Walmec subsidiary, was established in RHODE ISLAND in order to provide the North American Market with an efficient and complete service.



THERMODRY TECHNOLOGY

Our second generation of TD3 and TD1 Thermodry product range is a unique and innovative compressed air conditioning system for a paint booth that lets painters work with heat regulated air and, for TD3, without any solid or gaseous impurities.

The Thermodry Technology line, equipped with new and more powerful IPH hose and effective variety of accessories, represents the top in efficiency and reliability in spray painting, based on 3 main functions:

1 - Air heating and thermoregulation: the heating element of TD3/TD1 combined with the IPH heated hose and internal J thermocouple, heat and regulate air that allows the operator to paint at constant temperature, regardless of the climate/room conditions.

Let's not forget that air used in painting can even drop (due to air expansion) under 40 F. TD units can reach temperatures between 68 F and 122 F during the paint phase, essential for water-based and VHS transparent paint application, and over 158 F for drying. Temperatures are quickly reached and kept constant during the entire work phase.

2 - Air filtering (TD3 and TD3 PRO): the full line of equipment filtering groups, water-oil-silica-active carbons, can achieve fully clean and breathable compressed air.

3 - Automatic dehumidifying mass regeneration (TD3 and TD3 PRO): once saturated with humidity, silica gel requires regeneration. SRS system on TD3 and TD3 PRO inverts air, generated by the heating element, and regenerates the entire humidifying mass in just 4 hours.





THERMODRY TECHNOLOGY: eliminates costly spray booth retrofits

SYSTEM BENEFITS

- 1** 25% to 40% reduction in drying time for waterborne and oil based paints;
- 2** Material savings from 15% to 30% due to higher transfer efficiency with maximum coverage;
- 3** Reduction in cycle time and operating temperature in your existing spraybooth saves time and energy (results in additional spraybooth cycles);
- 4** Clean paint work requires considerably less buffing which means faster delivery to your customer;
- 5** Simple installation works with your existing compressed air system and 110 volt outlet;
- 6** Superior atomization with zero impurities equals the "Quality in The Finish" your customers deserve;

TD3 - TD3 PRO - TD1 PRO

The new TD3 and TD1 multifunctional heat conditioner "PRO" line responds to our customers suggestions, significantly contributing to the research and development of this new TD series. In fact, experience is the foundation of each product and its success, and what better advice can contribute to perfecting a tool than that from people who use it every day? Walmec, always attentive to these market inputs, has translated all this into a new efficient TD "PRO" series, with the following improvements:

- The new 1.11 software, able to efficiently control tool operations, offers the operator the possibility of working in full safety and efficiency;
- Doubled air flow (over 43 cfm) for fully efficient operations even with two spray guns;
- The new IPH hose's doubled heating power, grants higher reactivity in reaching and maintaining set temperatures, with the consequent practically total reduction of operator wait time;
- The new automatic condensation drain system, for higher cleaning and tool maintenance security (TD3 and TD3 PRO).

New and important features that further enhance this exceptional tool that proven itself out as the most efficient and complete on the market.

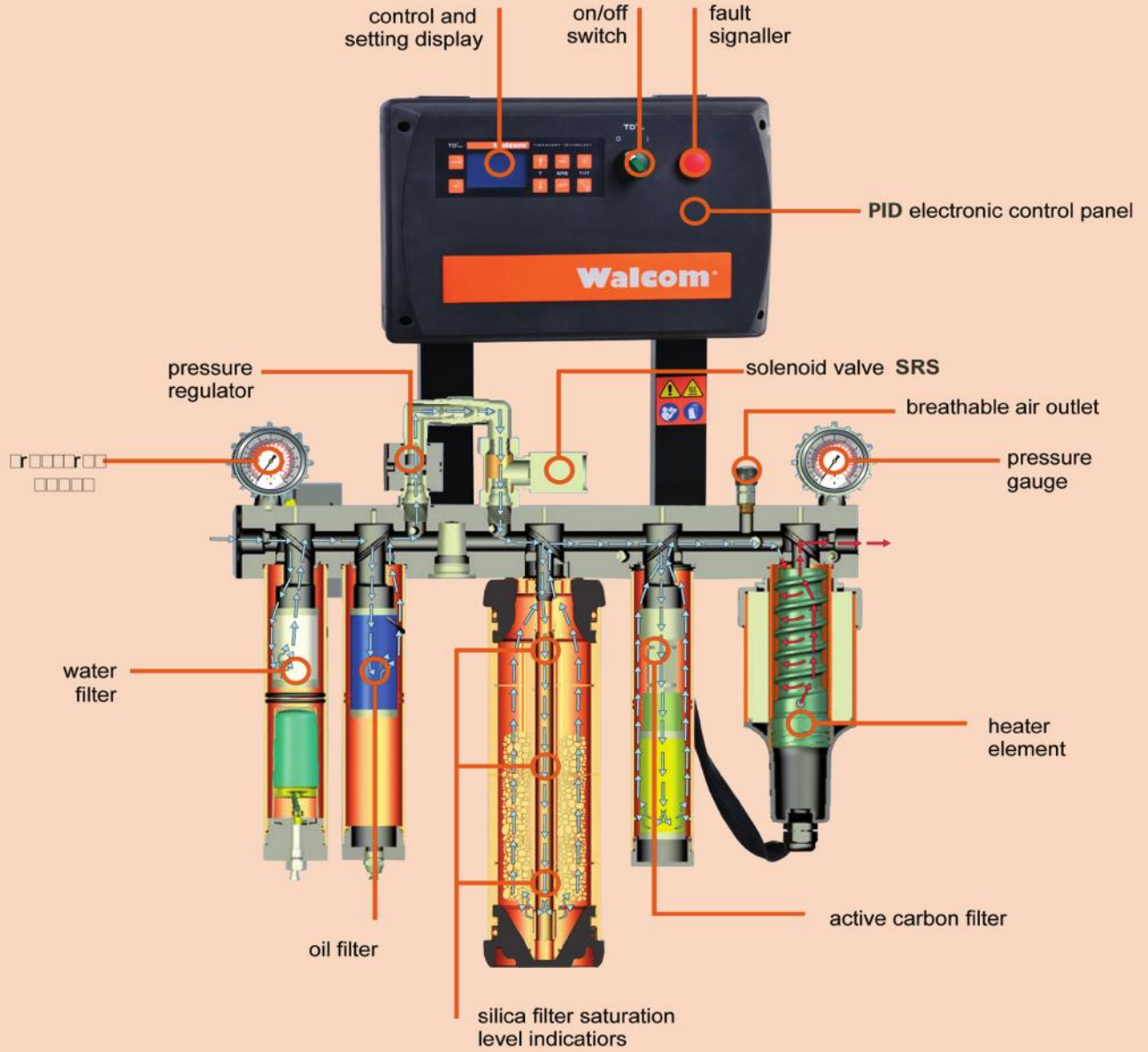
In addition to the range of accessories completing the tool, we have now introduced the new Genesi TD spray gun line with insulating thermoplastic grip to make TD PRO operations even more functional. The operators can now work at high temperatures without overheating their hands.

NEW SOFTWARE
The 1.11 version efficiently manages TD operations, controlling any system faults.

THT
New high performance hose with 1200 W power.

DOUBLED AIR FLOW
The 43 cfm air flow lets you use 2 spray guns simultaneously.

DRAIN SYSTEM
Automatic for water with safety rod for any clogs, manual for oil.



TD³ PRO

Ref. 60151**

Cabin booth integrated air conditioning and thermoregulation system
Central body: anodised aluminium
Composition:

- 1) Synthetic fibre pre-filtering element that eliminates condensation. Automatic drain with safety rod for manual drain.
- 2) De-greaser filter to eliminate residual pollutants. Manual drain.
- 3) Drying group with silica gel that reduces residual humidity in compressed air. Possibility of silica gel regeneration with TD³ PRO hot air flow SRS valve. Silica gel lasts max 1 year.
- 4) Active carbon filter to eliminate all impurities and obtain breathable air. Max oil residue < 0,0003 mg/m³.
- 5) Heating element with 1.200 W power controlled by an electronic unit with PID retroactive system and SCR heating power regulation.

Pressure regulator: membrane regulation and automatic decompression
Air inlet: F 1/2"; air outlet: F 1/2"
Filtering power: air 5 µ - oil 0,01 µ

Maximum pressure: 175 psi
Air consumption: 43 cfm at 87 psi
Weight: 46 lbs



Features:

- 2 painters working simultaneously
- breathable air
- regeneration desiccant

TD³

Ref. 60124**

Cabin booth integrated air conditioning and thermoregulation system
Central body: anodised aluminium
Composition:

- 1) Synthetic fibre pre-filtering element that eliminates condensation. Automatic drain with safety rod for manual drain.
- 2) De-greaser filter to eliminate residual pollutants. Manual drain.
- 3) Drying group with silica gel that reduces residual humidity in compressed air. Possibility of silica gel regeneration with TD³ PRO hot air flow SRS valve. Silica gel lasts max 1 year.
- 4) Heating element with 1200 W power controlled by an electronic unit with PID retroactive system and SCR heating power regulation.

Pressure regulator: membrane regulation and automatic decompression
Air inlet: F 1/2"; air outlet: F 1/2"
Filtering power: air 5 µ - oil 0,01 µ

Maximum pressure: 174 psi
Air consumption: 43 cfm at 87 psi
Weight: 40 lbs



Features:

- 1 painter
- regeneration desiccant

TD¹ PRO

Ref. 60152**

Cabin booth integrated thermoregulation system
Central body: anodised aluminium
Composition:

- 1) Heating element with 1.200 W power controlled by an electronic unit with PID retroactive system and SCR heating power regulation.

Pressure regulator: membrane regulation and automatic decompression
Air inlet: F 1/2"; air outlet: F 1/2"
Filtering power: air 5 µ - oil 0,01 µ

Maximum pressure: 175 psi
Air consumption: 43 cfm at 87 psi
Weight: 15 lbs



** Ref. /T= with 1 remote control



Features:

- 2 painters working simultaneously

IPH

Ref. 3063358/USA

Vulcanised, antistatic rubber heated air hose.
Power: 1.200 W
Thermoregulation: internal J thermocouple
Dimensions: 10x15 mm
Length: 36 ft
Weight: 7 lbs

50 ft version - weight 10 lbs

Ref: 3063360/USA

74 ft version - weight 14 lbs

Ref: 3063370/USA



Recommended use:



THK for TD3 PRO

Ref. 60134

The kit comes in a case for scheduled TD3 PRO annual equipment maintenance.

Composition:

- nr. 1 synthetic fibre water filter: to be replaced once a year;
- nr. 1 coalescent oil filter: to be replaced once a year;
- nr. 2 active carbon filters: to be replaced every 6 months;
- nr. 1 2.8 lbs silica gel package.

Weight: 6 lbs



THK for TD3

Ref. 3063126/USA

The kit comes in a case for scheduled TD3 annual equipment maintenance.

Composition:

- nr. 1 synthetic fibre water filter: to be replaced once a year;
- nr. 1 coalescent oil filter: to be replaced once a year;
- nr. 1 silica dust filter: to be replaced once a year;
- nr. 1 2.8 lbs silica gel package.

Weight: 5 lbs



THJ

Ref. 60133

Drying gun 158 F for basecoat.
16 - 20 in. blow distance in the first phase; 8 - 12 in. in final drying.
Body: heatproof nylon
Nozzle: nylon and rubber radial
Progressive valve

Air consumption: 9.4 cfm at 43psi
Weight: 9 oz



Recommended use:



THJ/R

Ref. 60150

Continuous flow drying gun 158 F for basecoat, equipped with air regulator.
16 - 20 in. blow distance in the first phase; 8 - 12 in. in final drying.
Body: metallic, lined with a heatproof membrane
Nozzle: nylon and rubber radial

Air consumption: 9.4 cfm at 43 psi
Weight: 10.5 oz



Recommended use:



Fan Jet

Ref. 60142

Continuous flow drying gun 158 F for basecoat.
16 - 20 in. blow distance in the first phase; 8 - 12 in. in final drying.
Body: metallic, lined with a heatproof membrane
Nozzle: nylon and rubber radial

Air consumption: 9.4 cfm at 43 psi
Weight: 10.5 oz



Recommended use:



THS

Ref. 60128

Support for nr. 4 THJ nozzles for drying at 158 F for basecoat.
Structure: aluminium
Height: adjustable from 50 to 70 in
Tilt: adjustable from 0 to 360°
16 - 20 in. blow distance in the first phase; 8 - 12 in. in final drying.

Weight: 25 lbs



Recommended use:



Genesi TD GEO

Ref. 9580**

Tank: POM C 680 cc
 Body: forged and anodised aluminium
 Grip: heatproof PET plastic
 TOP Cap: nickel-plated brass
 Nozzle: AISI 303 stainless steel
 Needle-spring: stainless steel
 Seal gaskets: self-lubricating and adjustable PTFE (Teflon)
 Weight: 25 oz

Working pressure: 29 - 36 psi
 Air consumption: 8.8 - 10.2 cfm
 Nozzle Ø: 0,7 - 1,0 - 1,3 - 1,5 - 1,7 - 1,9
TOP air inlet pressure regulator with pressure gauge

750 cc Genesi TD GEO version aluminium tank - weight 22 oz Ref. 9585**



NOTE:
add nozzle Ø to Ref. (**)

Recommended use:



Genesi TD HVLP

Ref. 9590**

Tank: POM C 680 cc
 Body: forged and anodised aluminium
 Grip: heatproof PET plastic
 TOP Cap: nickel-plated brass
 Nozzle: AISI 303 stainless steel
 Needle-spring: stainless steel
 Seal gaskets: self-lubricating and adjustable PTFE (Teflon)
 Weight: 25 oz

Working pressure: 29 - 36 psi
 Air consumption: 8.8 - 10.2 cfm
 Nozzle Ø: 0,8 - 1,0 - 1,2 - 1,3 - 1,4 - 1,7 - 1,9 - 2,5
TOP air inlet pressure regulator with pressure gauge

750 cc Genesi TD HVLP version aluminium tank - weight 22 oz Ref. 9595**



NOTE:
add nozzle Ø to Ref. (**)

Recommended use:



Genesi TD HTE

Ref. 9570**

Tank: POM C 680 cc
 Body: forged and anodised aluminium
 Grip: heatproof PET plastic
 TOP Cap: nickel-plated brass
 Nozzle: AISI 303 stainless steel
 Needle-spring: stainless steel
 Seal gaskets: self-lubricating and adjustable PTFE (Teflon)
 Weight: 25 oz

Working pressure: 29 - 36 psi
 Air consumption: 8.8 - 10.2 cfm
 Nozzle Ø: 0,8 - 1,0 - 1,2 - 1,3 - 1,4 - 1,7 - 1,9 - 2,5
TOP air inlet pressure regulator with pressure gauge

750 cc Genesi TD HTE version aluminium tank - weight 22 oz Ref. 9575**



NOTE:
add nozzle Ø to Ref. (**)

Recommended use:



ECODRY line

The Ecodry line includes the variety of drying guns and systems for water-based paints.

By exploiting the Venturi system, Ecodry increases the emitted air volume, therefore significantly reducing drying time. The generated volume of air is mixed with heat taken from the paint booth (20% compressed air, 80% ambient air) and allows for the fast evaporation of water residue from the panel surface.

We are introducing a LIGHT version of Ecodry, made of insulating antistatic thermoplastic material for lightweight and heatproof work, when used with the Walcom ThermoDry system.

IMPORTANT: always work with perfectly filtered air to avoid any impurities that could compromise finish quality.



N1/4 TURN NOZZLE

Air flow regulation

BODY

Handle made of nylon for lighter, more practical work.

REGULATOR

Air flow regulator for precise airflow.

PAINTING DISTANCE

Between 16 - 20 in, continuously moving the gun.

Ecodry

Ref. 60125

Central body: anodised aluminium
 Grip: nylon
 Blow distance: 16 - 20 in from the surface, continuously moving the gun
 Blowing time: follow the instructions provided by the paint manufacturer
 Equipped with inlet air flow regulator
 Adjustable air flow

Working pressure: 7.3 - 29 psi
 Air consumption: 7 - 10.6 cfm
 Package: 1 pcs
 Weight: 19.5 oz



Recommended use:



Ecodry Light

Ref. 60143

Central body: nylon
 Blow distance: 16 - 20 in from the surface, continuously moving the gun
 Blowing time: follow the instructions provided by the paint manufacturer
 Equipped with inlet air flow regulator
 Adjustable air flow

Working pressure: 7.3 - 29 psi
 Air consumption: 7 - 10.6 cfm
 Package: 1 pcs
 Weight: 10.8 oz



Recommended use:



Ecodry Stand

Aluminium support with 2 ECODRY (Ecodry or Ecodry light).
 Ecodry stand dries any type of surface from 3.2 ft distance.
 Featuring: tubular frame in anodized aluminium
 Base: painted steel
 Fittings: X 300 U
 Hose: poliurethane sprial hose 13 + 13 ft
 Package: 1 pcs
 Dimensions cm: L 3.2 x W 3.2 x H 5 ft
 Weight: 32 lbs

ECODRY Stand + 2 ECODRY

Ref. 60126

ECODRY Stand + 2 ECODRY Light

Ref. 60155



Recommended use:



FILTER SERIES

Walcom® series filter groups represent the maximum expression of quality in terms of compressed air treatment in bodyworks.

Line, drop line, paint booth: perfectly clean and filtered air is a must, and for this reason Walcom® has created a complete range of single and combined filter groups, able to fully eliminate all water, oil, dust and humidity residue from mains air, generating breathable air thanks to the active carbon filter.

The new /11 series combines a restyled look with higher efficiency which, thanks to the new air passage designs, guarantees 43 cfm air flow, allowing for efficient bodyworks with even 2 spray guns.



FSRD 4

Ref. 60138/11

A modular filter system ideal for use in the painting booth.

Central body: anodized aluminium

- Composition:
- 1) Pre-filtering element in sythetic fibre for the elimination of condensation. Automatic discharge
 - 2) Oil-separating filter for the elimination of residual pollutants. Manual drainage tap.
 - 3) Silica dryer group to reduce residual humidity in the compressed air. Nr. 3 saturation indicator lights.
 - 4) Active carbon filter to eliminate all impurities and obtain breathable air. Max oil residue < 0,0003 mg/m³.

Pressure adjuster: membrane system and automatic decompression

Air inlet: F 1/2"; air outlet: n° 2 from M 1/4"

Filtering power: air 5 µ - oil 0,01 µ

Working pressure: 175 psi

Air consumption: 43 cfm at 87 psi

Weight: 32 lbs



Recommended use:



FSRD 3

Ref. 60123/11

A modular filter system ideal for use in the painting booth.

Central body: anodized aluminium

- Composition:
- 1) Pre-filtering element in sythetic fibre for the elimination of condensation. Automatic discharge
 - 2) Oil-separating filter for the elimination of residual pollutants. Manual drainage tap.
 - 3) Silica dryer group to reduce residual humidity in the compressed air. Nr. 3 saturation indicator lights.
 - 4) Filter to eliminate dust generated by silica, 5 µ filtering capacity.

Pressure adjuster: membrane system and automatic decompression

Air inlet: F 1/2"; air outlet: n° 2 from M 1/4"

Filtering power: air 5 µ - oil 0,01 µ

Working pressure: 175 psi

Air consumption: 43 cfm at 87 psi

Weight: 32 lbs



Recommended use:



FSRD 2

Ref. 60145/11

A modular filter system ideal for use in the painting booth.

Central body: anodized aluminium

- Composition:
- 1) Pre-filtering element in sythetic fibre for the elimination of condensation. Automatic discharge
 - 2) Oil-separating filter for the elimination of residual pollutants. Manual drainage tap.
 - 3) Active carbon filter to eliminate all impurities and obtain breathable air. Max oil residue < 0,0003 mg/m³.

Pressure adjuster: membrane system and automatic decompression

Air inlet: F 1/2"; air outlet: n° 2 from M 1/4"

Filtering power: air 5 µ - oil 0,01 µ

Working pressure: 175 psi

Air consumption: 43 cfm at 87 psi

Weight: 18 lbs



Recommended use:



FSRD

Ref. 60121/11

Air treatment system excellent for use in car-body workshops and industry.
Central body: anodized aluminium

Composition: 1) Pre-filtering element in synthetic fibre for the elimination of condensation. Automatic discharge
2) Oil-separating filter for the elimination of residual pollutants.
Manual drainage tap.

Pressure adjuster: membrane system and automatic decompression

Air inlet: F 1/2"; air outlet: n° 2 from M 1/4"
Filtering power: air 5 µ - oil 0,01 µ

Working pressure: 175 psi
Air consumption: 43 cfm at 87 psi
Weight: 12 lbs



Recommended use:



FCA

Ref. 60139/11

Active carbon filter to eliminate all impurities and obtain breathable air,
max oil residue < 0,0003 mg/m³.

Central body: anodized aluminium
Air inlet: F 1/2"; air outlet: F 1/2"

Working pressure: 175 psi
Air consumption: 43 cfm at 87 psi
Weight: 6.5 lbs



Recommended use:



PFR

Ref. 60127/11

Filter unit for the elimination of condensation.

Composition: Synthetic fibre pre-filtering element to eliminate condensation. Automatic drain.

Central body: anodized aluminium

Pressure adjuster: membrane system and automatic decompression

Air inlet: F 1/2"; air outlet: n° 2 from M 1/4"
Filtering power: air 5 µ

Working pressure: 175 psi
Air consumption: 43 cfm at 87 psi
Weight: 9.5 lbs



Recommended use:



ESR

Ref. 60129/11

Silica drying unit, to eliminate residual humidity in compressed air, to be used in combination with an air pre-filtering group in a painting booth. Provided with an indicator to show saturation of the silica which can be replaced or regenerated (4 hours at 135° C).
Filter to eliminate dust generated by silica 5 µ.
Central body: anodized aluminium
Pressure adjuster: membrane system and automatic decompression
Air inlet: F 1/2"; air outlet: n° 2 from M 1/4"
Filtering power: air 5 µ

Working pressure: 175 psi
Air consumption: 43 cfm at 87 psi
Weight: 25 lbs



Recommended use:



SILICA

Ref. 3063124

Hermetic plastic container to reload silica in models out of production:

FSRD 3 - Ref. 60123

ESR - Ref. 60129

Package: 1 pcs
Weight: 4.4 lbs



Recommended use:



SILICE/11

Ref. 3063236

Ermetic plastic container for the silica recharging of models:

FSRD 4 Ref. 60138/11 - 60138/10

FSRD 3 Ref. 60123/11 - 60123/10

ESR Ref. 60129/11 - 60129/10

TD³ PRO - Ref. 60151

THK - Ref. 60134

Package: 1 pcs
Weight: 2.8 lbs



Recommended use:



Walcom® USA
THERMODRY TECHNOLOGY



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PRODUCTION PLANT

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