

# DURABLE - ENERGY SAVING

## SPECIAL MACHINES

Fral Company, though mainly concentrated in the production of machines for dehumidification, has also an attentive approach to other market needs and is always ready to design and manufacture special dehumidifiers and machines for any industrial, commercial and domestic use, as it has recently done with a range of special horizontal dehumidifiers for crawl spaces, one Water-Cooled Industrial Air Conditioner and an Industrial Spot Cooler.

### FDK33-44

#### Crawl spaces dehumidifiers

##### MAIN FEATURES

- Strong metal case
- Moisture removal: up to 33-44 litres/day
- Weight: 31-34 Kg
- Dimensions WDH: 58x35x42 cm
- Electronic thermostatic control
- Automatic dehumidostat
- Hot gas defrost
- Round pipe evaporator
- High efficiency also at low temperature and humidity
- Low energy consumption
- Fitting for drain pipe



##### APPLICATIONS

- Crawl spaces
- Basements and cellars
- Stores and garages
- Libraries, museums
- Shops

### FACWS22

#### Water cooled split air conditioner

Portable industrial water cooled split air conditioner which allows easy immediate connection. The internal unit can be placed at a distance of over 30 mts. from the outdoor unit.



##### MAIN FEATURES

- Rated Cooling Capacity: 6,5 kW
- Dimensions internal unit WDH: 115 x81x36 cm
- 3 speeds motor fan
- Functioning range of indoor unit: 10-35°C
- Functioning range of outdoor unit: 10-40°C
- Rapid electric and water flexible pipe connections
- Very low noisiness



##### APPLICATIONS

- Half-closed places
- Garages
- Workshops
- Leisure places
- Kiosks and tents

# DEHUMIDIFIERS FOR AIR CONDITIONING WITH RADIATING PANELS

Fral produces also three lines of isothermic dehumidifiers necessary for the installation of air conditioning systems with radiating panels. These machines are carefully designed for good performances with low energy consumption and noiseless running. They can be flush-wall or ceiling mounted. They are called 'Isothermic' because the outlet air has the same temperature as the inlet air: they use the same cooling water of the floor radiating panels circuit at the optimal temperature of 16-18°C. For all lines there is a **patented version called "Dehu-Clima"** provided with two condensers (the first air cooled, the second water cooled) which permit to discharge the heat in the water cooling circuit, thus allowing an independent control of both temperature and humidity.

## FP451

Flush-wall mounted

### TECHNICAL SPECIFICATIONS

- Condensation capacity: up to 34 litres/day
- Double cover
- Reasonably small thickness: 203 mm
- Pre-cooling and after cooling coils
- Very low sound level
- Very high energy efficiency
- Wooden front grille
- Available **Patented Dehu-Clima** version  
Cooling capacity: up to 1,6 kW



## FC451

Ceiling mounted



### TECHNICAL SPECIFICATIONS

- Condensation capacity: up to 34 litres/day
- Pre-cooling and after cooling coils
- Very low sound level
- Very high energy efficiency
- Available **Patented Dehu-Clima** version  
Cooling capacity: up to 1,6 kW

# RIGHT HUMIDITY ON DEMAND

INDUSTRIAL AND SWIMMING  
POOL DEHUMIDIFIERS  
Special machines



 **FRAL**  
RIGHT HUMIDITY ON DEMAND

# EFFICIENT - RELIABLE - DURABLE

High humidity causes physical discomfort, products deterioration, wall infiltration and moulds, rust, tools and machines corrosion, thus damaging health, precious material and foodstuff. Fral provides the right

## FD160-240

Capacity of machines ranging from 160 litres/day to over 2000 litres.



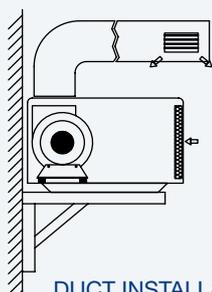
### MAIN FEATURES

- Design and manufacture of standard line of machines with competitive prices along with very special models for particular requirements
- Production of special machines for particular environments with very low temperature (below 0°C) or very high temperature (over 40°C) and of great dimensions and capacity
- Specifically designed electronics determining an efficient and reliable defrosting system
- Possibility of having vertical and horizontal air-flow and air outlets functional designing of internal mechanics for easy maintenance and long life
- Energy saving and silent running thanks for heat exchanger designed for higher capacity

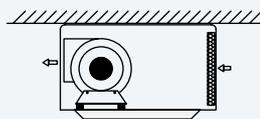
### TECHNICAL SPECIFICATIONS

- Condensation capacity: up to 160-240 litres/day
- Weight with empty tank: 66-72 kg
- Dimensions WDH: 98x68x49 cm

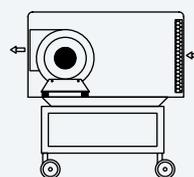
### INSTALLATION AND DUCTINGS SYSTEMS



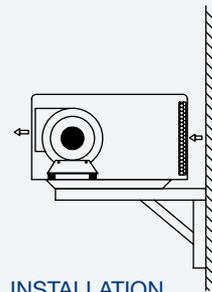
DUCT INSTALLATION



CEILING MOUNTING



ON TROLLEY



WALL INSTALLATION

# DURABLE - ENERGY SAVING

humidity on demand of any customer's requirement by manufacturing standard and special heavy duty dehumidifiers of any capacity and applications for floor-wall mounting or ducting installations.

## **FD360-520**

Modular machines in aluminium profiles, galvanized and painted steel panels



### **TECHNICAL SPECIFICATIONS**

- Condensation capacity: up to 360-520 litres/day
- Weight: 110-130 Kg
- Dimensions WDH: **FD360** 118x90x71 cm  
**FD520** 118x90x91 cm

### **MAIN APPLICATIONS OF INDUSTRIAL DEHUMIDIFIERS**

- Agro-alimentary industries and warehouses, for maintaining weight and freshness of products (food, cheese, fruit and vegetables, onions, grapes..)
- Flour and cereals, salt and sugar stores
- Sea food warehouses
- Ceramic factories
- Car body painting cabins
- Wine cellars
- Paper and graphic industries
- Wood industries
- Livestock farming
- Commercial and sports facilities centres

# DEHU-CLIMA

## Independent control of temperature and humidity

**Special dehumidifier**, provided with a double air refrigerant heat exchanger, thus determining an independent control of both temperature and humidity.

### TECHNICAL SPECIFICATION

- Condensation capacity: up to 240 litres/day
- Cooling capacity (at in-outdoor 15°C/30°C): 6,5 kW
- Weight: 98 kg
- Dimensions WDH: 98x68x98 cm

### MAIN APPLICATIONS

- Agro-alimentary industries and warehouses, for maintaining weight and freshness of products (food, cheese, fruit and vegetables, onions, grapes..)
- Flour and cereals, salt and sugar stores



- Sea food warehouses
- Wine cellars
- Commercial and sports facilities centres

# FSW140

## Dehumidifiers for swimming pool

Elegant machine with case in anticorrosive coated aluminium panels and profiles. High performance, low noise.



### MAIN FEATURES

- Moisture removal: up to 140 litres/day
- Weight: 66 kg
- Dimensions WDH: 120x35x68 cm
- Electronic control system
- Remote humidity and on/off control
- Rotary compressor
- Fittings for draining pipe