



# SAIRAC

South African Institute for Refrigeration and Airconditioning

[www.sairac.co.za](http://www.sairac.co.za)

## JOHANNESBURG REGION

The skills gap found in industry is well known and much talked about. Coupled to the training is an opportunity for senior people in industry who may be interested to share their experience with the younger generation. Or possibly just a passion to become involved in training and offer their expertise and experience in these evening classes.

The courses are aimed at the gap that exists between the artisan / technician level and engineers.

Should you be interested in taking up the challenge and be involved with the presentation of any of the courses please contact Mariet Pieterse - 0827721694 / [johannesburgsecretary@sairac.co.za](mailto:johannesburgsecretary@sairac.co.za). In order to bring some of the vast experience out in industry back into training, SAIRAC is on the lookout for senior members of industry to present SAIRAC courses.

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### ON LINE EQUIPMENT SELECTION FOR REFRIGERATION APPLICATIONS COURSE

SAIRAC Johannesburg region is pleased to announce the 4th course of 2024 for the JHB Centre. It will be an online Zoom course we will send you the link.

Mariet Pieterse - 082 772 1694 / [johannesburgsecretary@sairac.co.za](mailto:johannesburgsecretary@sairac.co.za) is managing the bookings and can be contacted with regards to general queries, booking queries, confirmation and availability.

SAIRAC Johannesburg Region presents: EQUIPMENT SELECTION FOR REFRIGERATION APPLICATIONS COURSE



This course will be presented by Mr. Robert Fox he holds a **National Diploma in Production Management** studied at Technicon Pretoria and various other courses.

Robert currently works at Club Refrigeration cc and is the Costing Estimator and has been working for Club Refrigeration for 30 years (since 1994) performing heat load Calculations and equipment selections.

See page 2 -> Course outcomes, prices and dates.

Course Name: EQUIPMENT SELECTION FOR REFRIGERATION APPLICATIONS

The course will cover the selection of equipment in refrigeration applications mainly for use with freon based refrigerants, please note that this course does **NOT** cover CO2 and Ammonia

Course Topics:

Refrigerants  
Selecting Compressors,  
Selecting Condensers,  
Selecting Condensing Units,  
Selecting Blower Coils,  
Selecting Expansion Valves

Course Outcomes:

On completion of this course, you should be able to:

- Understand the different refrigerants
- Understand the different equipment available for selection
- Select a compressor
- Select a condenser
- Select a condensing unit
- Select a Blower coil (Evaporator)
- Select an Expansion Valve
- Determine the Balance Point for Condensing Unit and Blower Coil

Venue: This will be an online Zoom course

Duration: 3 evenings

Date: 6, 13 & 20 August 2024

Time: 18h00 till 21h00

Cost:                   Members       R1 857.00  
                          Non-Members   R2 404.00

The formula of having selected professionals presenting within their specific field of expertise adds value to the SAIRAC training. In this sense the SAIRAC courses are unique.

Please note: SAIRAC courses are very popular with limited space available, please book early.

See attached -> Enrolment Form