AIR CONDITIONING
LAWSONAIR
& ELECTRICAL

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HEALTHCARE
AIR CONDITIONING
GUIDE

Lawson Air Conditioning Company have been installing air conditioning systems in healthcare facilities for over 20 years.
We understand that hygiene standards in hospitals are high and it is essential for the project to meet the conditions required in practice.
Some of our customers include:

- ✓ AGED CARE
- ✓ MEDICAL CENTRES
- ✓ DENTAL CLINICS
- ✓ PHARMACIES

WE UNDERSTAND THE IMPORTANCE OF **CLEAN AIR**

Lawson Air Conditioning knows that the Healthcare Air is fundamental for healthcare facilities and it is important for maintaining a sterile and healthy air for patients and staff.

High temperature and humidity affect the physical well being of patients as well as their pace of recovery. Many Air Conditioning units are now made with that in mind. For Example, all Daikin split systems are designed with a more advanced Titanium Air-Purifying filter. These filters not only trap most microscopic airborne particles, but they also assist to decompose odours and absorb and deactivate bacteria and viruses.

From single rooms to entire hospitals our expert engineers will happily give a free site evaluation so we can provide you with exactly what you and your patients require.

Our friendly team of polite experts will take you through your air conditioning system design, small or large to suit the cooling or heating needs of healthcare facilities.

AGED CARE

The heat in the height of summer can be uncomfortable that's why all Residential aged care facilities must provide safe indoor temperatures, clean air and comfort.

We approach all our projects with great care

At Lawson Air, we approach each retirement village project individually. For example, the ability for a tenant in one room to cool their unit while their neighbour heated theirs can be one of the requirements for aged care facilities.

Also, we keep in mind that easy and fast access to units for maintenance and repairs is important for aged care residents.

MEDICAL CENTRES

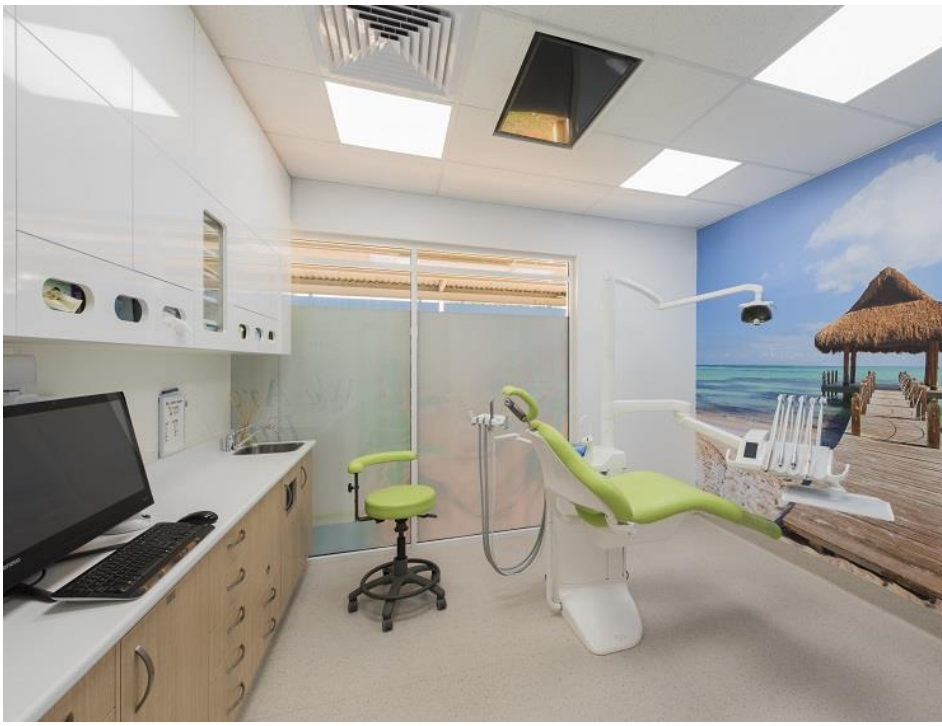
Split Systems are very popular air conditioning units installed in the healthcare industry. They are the most cost-effective option and easy to install in any medical room without changing the design of that particular room.

A single split unit would be ideal for cooling a consulting room. For bigger spaces like waiting rooms, you may need multiple wall units so the entire room receives a comfortable and balanced airflow.

DENTAL CLINICS

Ducted air conditioning units are great in dental clinics. They are the most visually pleasing as the ductwork and internal units are hidden in the ceiling with only small grilles placed on the outside.

If you have space in the ceiling then ducted air conditioning can be easily installed without changing room design.



PHARMACIES

Cassette air conditioning units are a great choice for pharmacies. They are almost entirely hidden within the ceiling. They also deliver four-way airflow so they are ideal for larger pharmacy shops where areas must receive balanced cooling. Some ceiling cassette units have individually controlled louvres so the air around the room and be directed as required.

WHAT CAN WE DO TO MAINTAIN YOUR AIR CONDITIONING UNIT?

To ensure the efficiencies and longevity of your system, we now need to set up your regular service criteria.

WHAT'S INCLUDED IN THE SERVICE

- ✓ Filter cleaning - Air filters need to be cleaned regularly, to maintain lower running costs and longer machine life also improving indoor air quality. Un-maintained filters can and often do result in early compressor failure and expensive power bills.

- ✓ Drain tray and pipe work - Checked and cleaned to prevent blockage and subsequent flooding. Some air conditioners can in summer remove a bucket of water per hour from the air.

- ✓ Electrical controls and thermostat - Checked, adjusted and calibrated. Record Supply and Return Air Temperatures.

- ✓ Bearing, drive trains, belts, fans etc - Checked, adjustment made, lubrication provided.

- ✓ Refrigerant charge - Check for leaks and operating conditions. Low refrigerant levels mean that the compressor has to work harder to maintain the desired temperature and this means higher power costs plus the possibility of early and expensive compressor failure.

- ✓ Outdoor Unit / Indoor Unit (Condenser coils) - Check and clean out to maintain heat transfer efficiency also to improve air quality by using approved chemicals designed to eliminate bacteria. Debris around the compressor heat exchanger means that the unit has to work harder to maintain the desired temperature and this means higher power costs plus the possibility of early and expensive compressor failure.

- ✓ Complete operation test - on full heating and cooling, and subsequent recording of results.

- ✓ Remove, Flush and Refit Condensate Traps - To prevent the build up of scale, grime and bacteria.

- ✓ Check Pipe Work Condition and Insulation - Check insulation is not worn / brittle as this can lead to water leaks. This check will also eliminate pipe work vibration.