



NSpire

Description



Seresco's Fully Packaged Indoor Dehumidifier

We've solved one of the biggest installation challenges by eliminating the remote condenser. NSpire is a completely packaged indoor HVAC Solution that eliminates the need for a remote exhaust fan and condenser (NSpire airflow fig.3).

NSpire is available in capacities ranging from 2 to 16 tons and is well suited for small indoor pool applications such as hotels, swim schools, residences, and condominium buildings.

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NSpire Advantages

Fig.1 Standard Split D

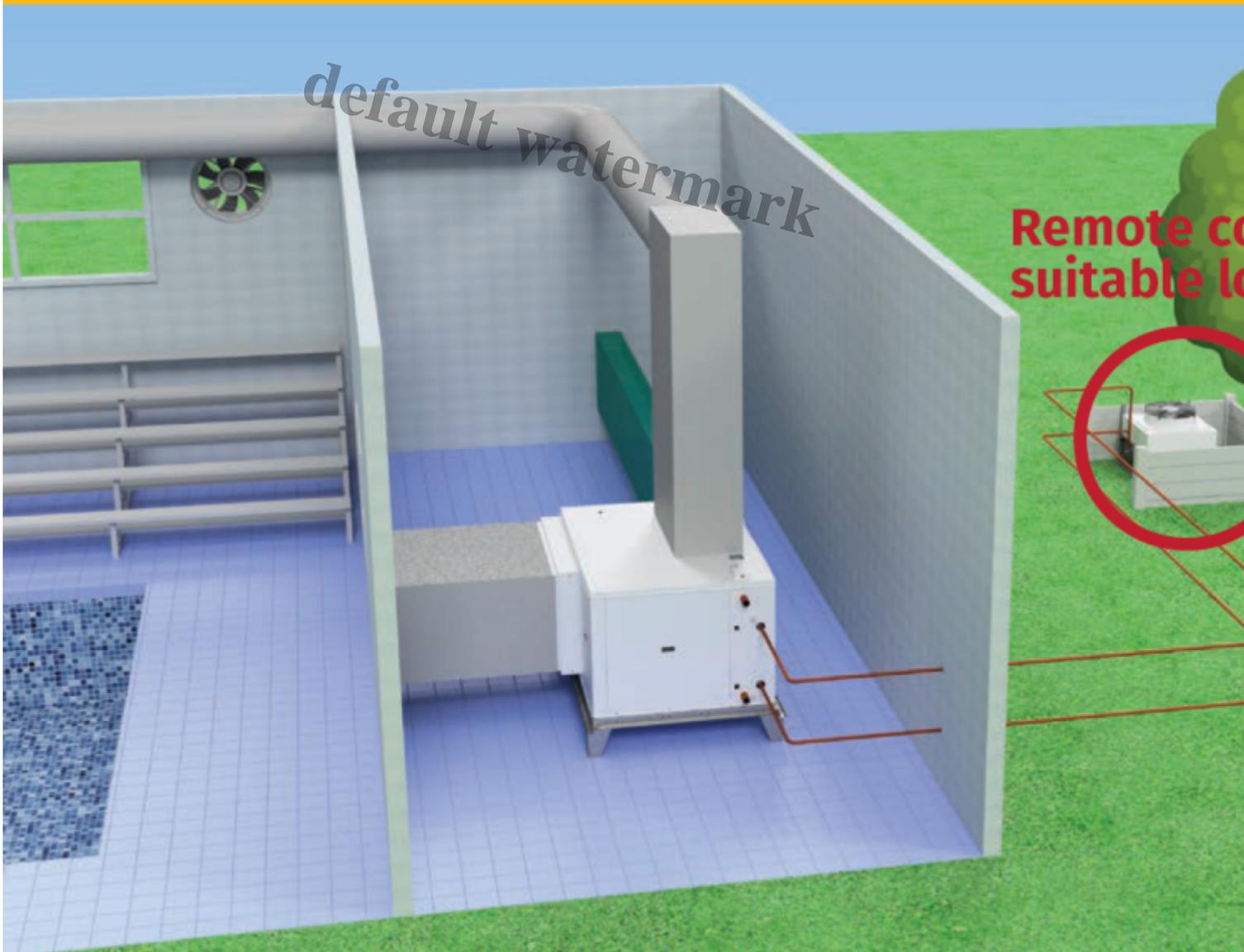
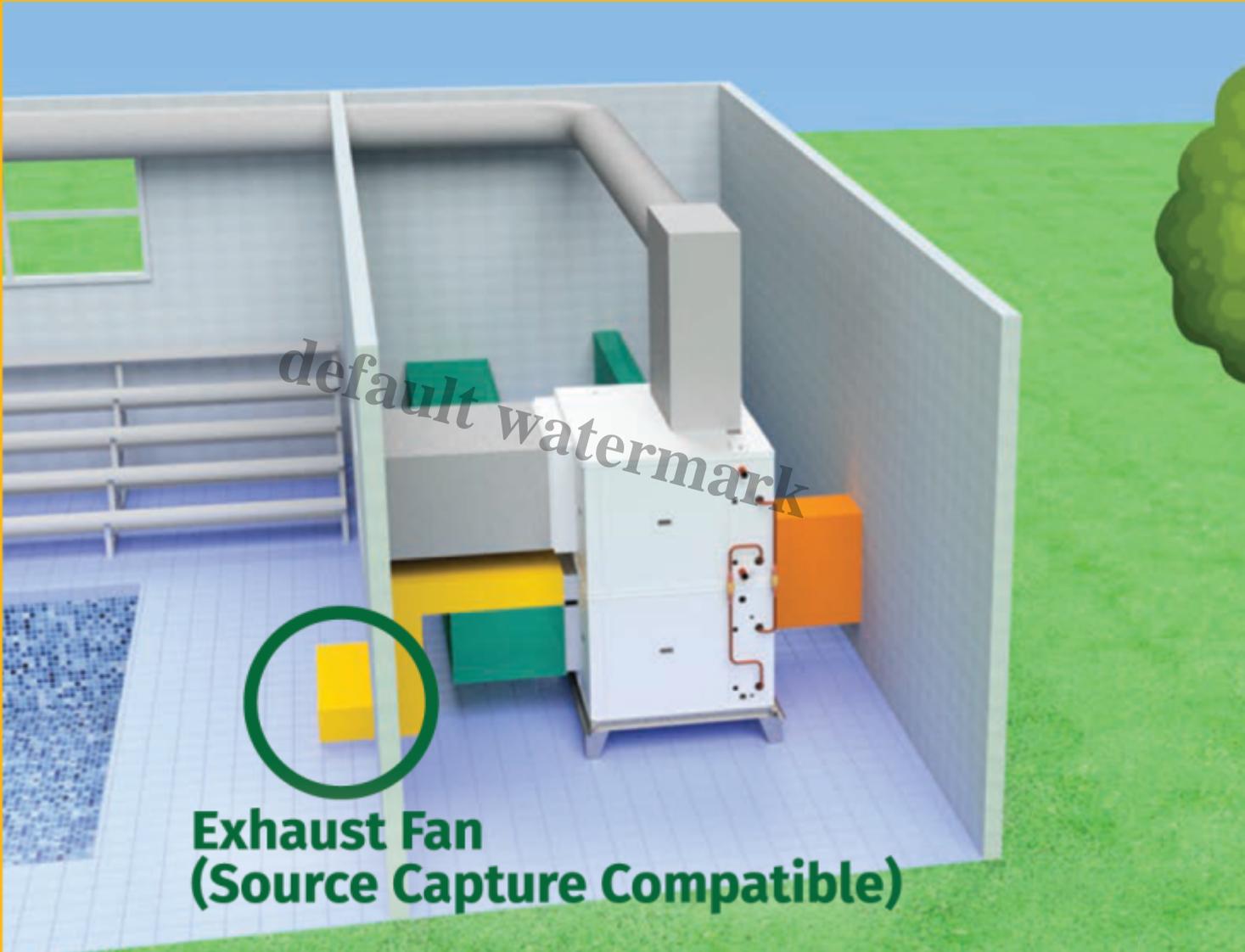


Fig.2 NSpire Dehumidifier



Installation Advantages

- Complete HVAC package fully installed indoors: Seresco's NSpire packages a centrifugal condenser and a room exhaust fan in the same enclosure as your dehumidifier. Also, it reduces installation costs by being the only HVAC equipment needed for your space, keeping the entire system and its maintenance within the building envelope.
- Cost-effective and time-saving installation solution for contractors.
- The machine can be shipped split, if the option is selected, to facilitate ease of rigging into the mechanical room. Comes with quick connects for simple reassembly.
- Factory-sealed and packaged refrigeration circuit eliminates the need for field refrigeration work.

- Removes the need to look for a suitable remote condenser location to satisfy the architect and the engineer.
- ELIMINATES the need for:
 - Outdoor remote condenser
 - Field piping, field charge, or external piping
 - Power supply, concrete pad, or control wires
 - Remote exhaust fan
 - Roof penetration

Performance Advantages

- A fraction of the refrigerant charge compared to traditional systems with outdoor air condensers; with NSpire being a packaged system, the system operates with less than 50% of the refrigerant required by a traditional system with a remote air-cooled condenser positioned 50ft away.
- Available with low dew-point configuration.
- Fully packaged controls.
- Compatible with low source capture design: the integrated exhaust fan (yellow duct fig.2) simplifies source capture implementation, minimizing installation costs and enhancing indoor air quality. Discover how it works in our Dilution vs. Source Capture whitepaper.
- Service vestibule for ease of service and component longevity.
- Modulating reheat for stable space conditions.
- Electronic Expansion Valves (EEV) for precise refrigerant control and improved efficiency.
- Refrigerant Pressure Transducers for active system control and remote monitoring.
- Fully dipped coils for optimal corrosion protection.
- WebSentry® 24/7 internet monitoring and control:
 - 24/7 performance monitoring
 - Preventative maintenance email alerts
 - Trouble warnings via email
 - Browser-based access and control
 - Smart phone access and control
 - Cellular data connectivity allows communication with the factory without connecting to the local network

Fig.3 NSpire Airflow



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