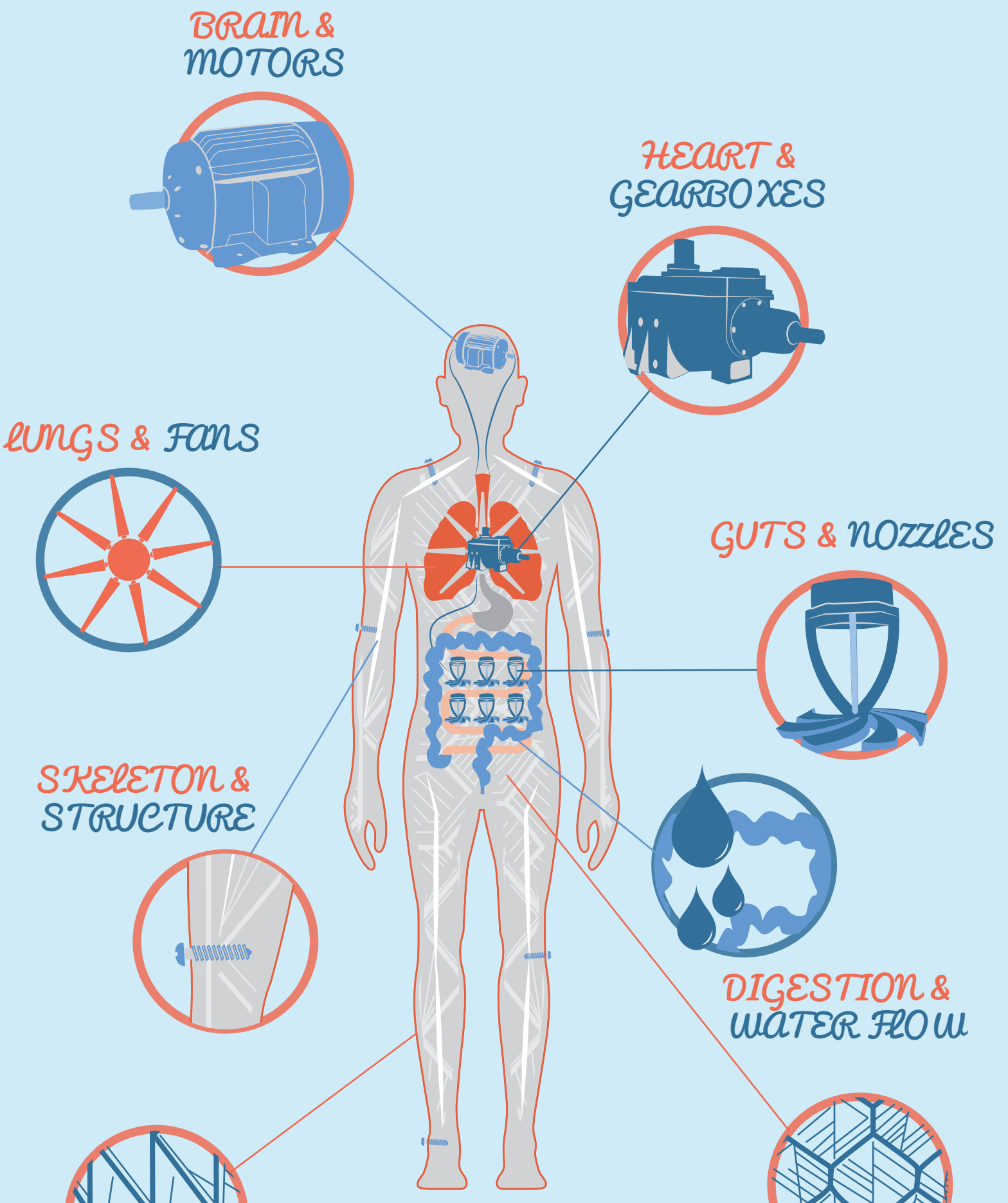
COOLING TOWER CONNECTIONS

Did You Know?

How your cooling tower components are all connected?

We spend a lot of time talking about individual parts and how to maintain them, but do you know how each part is dependent on the next to keep your cooling tower running efficiently? Just like the human body depends on all of its parts to function properly, this info-graphic shows you the importance of your cooling tower connections.



STRUCTURE

How it Relates:

Structure is like your skeleton, holding everything together and providing strength.

What it Affects:

- The Integrity and Performance of Your Cooling Tower.

GEARBOXES

How it Relates:

You eat Cheerios to prevent heart attacks. Your gearbox needs “Cheerios” too, (aka proper lubrication) or it will seize and destroy everything that it’s connected to thus shutting down your tower.

What it Affects:

- The Drive Shaft
- Your Fans & Fan Stacks
- Drift Eliminators
- Your Structure
- Overall Performance

FANS

How it Relates:

Your lungs help circulate oxygen and so do your fans. Fans circulate air, pulling hot air from inside of the cooling tower, out.

What it Affects:

- Fan Stack
- Gearbox
- Drive Shaft
- Proper Airflow Contributing to Performance & Efficiency.

MOTORS

How it Relates:

Your brain runs your body, your motors run your cooling tower mechanicals that allow your tower to function.

What it Affects:

- Your Fans
- Proper Airflow Contributing to Performance & Efficiency.

NOZZLES

How it Relates:

Your guts aid in digestion, breaking up food. Nozzles in a cooling tower are similar, they help break up water droplets evenly to maximize performance.

What it Affects:

- Your Fill
- Your Structure
- Cooling Performance & Efficiency

FILL

How it Relates:

The insides of your body store fat, similarly, fill collects and stores calcium deposits. This adds troublesome weight gain to your structure.

What it Affects:

Your Structure & the Integrity of Your Cooling Tower.

DRIFT ELIMINATORS

How it Relates:

Your skin and drift eliminators both control temperature. DE’s control air temperature by keeping the water mist inside of your tower, and helping air flow through the tower.

What it Affects:

- Cooling Performance & Efficiency

WATER FLOW

How it Relates:

The flow of your body’s internal plumbing is important and so is the flow of water within your cooling tower. After constant recirculation, water collects bacteria, algae, and debris clogging water flow systems such as your nozzles and fill, affecting performance.

What it Affects:

- Overall Performance & Efficiency
- Your Nozzles & Fill

READ THE ARTICLE

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