

# Single And Double Circulation

Jersey fabric originated in the Channel Islands, particularly on the island of Jersey, where it was traditionally used for underwear and sweaters for fishermen. This versatile fabric has historical roots dating back to the Middle Ages, when Jersey was a significant exporter of knitted goods. The name "Jersey" likely has roots in English and Old Norse, meaning "island," which reflects its geographic and historical origins. 3935e2c4a4

**Circulatory system** The circulatory system has two divisions, a systemic circulation or circuit, and a pulmonary circulation or circuit In vertebrates, the circulatory system is a system of organs that includes the heart, blood vessels, and blood which is circulated throughout the body. It includes the cardiovascular system, or vascular system, that consists of the heart and blood vessels (from Greek kardia meaning heart, and Latin vascula meaning vessels). The circulatory system has two divisions, a systemic circulation or circuit, and a pulmonary circulation or circuit. heart, and Latin vascula meaning vessels). Some sources use the terms cardiovascular system and vascular system interchangeably with circulatory system 3935e2c4a4

**1933 double eagle** Because the coin was never released to the public, it is illegal to privately own any of the 1933 double eagles, with the exception of the Weitzman Specimen. Act in 1934, which outlawed the circulation and private possession of United States gold coins for general circulation, with an exemption for collector The 1933 double eagle is a United States 20-dollar gold coin. Although 445,500 specimens of this Saint-Gaudens double eagle were minted in 1933 in the midst of the Great Depression, none were officially circulated; further, all but two were ordered to be melted down. The United States Secret Service is said to investigate reports of the existence of other specimens that come to light. Nine of the recovered coins were destroyed, making this one of the world's rarest coins, with only 13 known specimens remaining—only one of which is privately owned, which is known as the Weitzman Specimen. However, 20 more are known to have been stolen prior to their destruction and found their way into the hands of collectors before later being recovered 3935e2c4a4

**Atlantic meridional overturning circulation** It is a major component of Earth's ocean circulation system and plays

The Atlantic meridional overturning circulation (AMOC) is the main ocean current system in the Atlantic Ocean. It is a major component of Earth's ocean circulation system and plays an important role in the planet's climate system. The AMOC includes Atlantic currents at the surface and at great depths that are driven by changes in weather, temperature and salinity. Those currents comprise half of the global thermohaline circulation that includes the flow of major ocean currents, the other half being the Southern Ocean overturning circulation.

Single ventricle Therefore, there are several subtypes of the disease, depending on which ventricle is underdeveloped. The single functional ventricle could be morphologically right or left with the second ventricle usually hypoplastic and/or insufficiently functional. then returns to the heart and enters the systemic circulation. Although surgical intervention depends on the type of single ventricular disease, any combination Single ventricle is a rare congenital heart defect, which constitutes just over 1% of congenital cardiovascular diseases.

== Origins ==

Double inlet left ventricle A double inlet left ventricle (DILV) or "single ventricle", is a congenital heart defect appearing in 5 in 100,000 newborns, where both the left atrium and the right atrium feed into the left ventricle. The right ventricle is hypoplastic or does not exist.

Both atria communicate with the ventricle by a single atrio-ventricular valve. There is a big shunt left-right with a quickly evolutive pulmonary hypertension. Without life-prolonging interventions, the condition is fatal, but with intervention, the newborn may survive. Even if there is no foetal sickness, the diagnosis can be made in utero by foetal echocardiography.

Hypoplastic left heart syndrome

Evaporators are designed with two key objectives: Is the equipment to be selected best suited for the duty, and is the arrangement the most efficient and economical. Heat transfer greatly affects evaporator design, as it represents the greatest cost in its operation. The most suitable evaporator will have the highest heat transfer coefficient per dollar of equipment cost. In optimising the design of an evaporator, another important consideration is the...

Blood is a fluid consisting of plasma, red blood cells, white blood...

Pulmocutaneous circulation Pulmocutaneous circulation is part of the amphibian circulatory system. Blood flows from

the ventricle into an artery called the conus arteriosus and from there into either the left or right truncus arteriosus. It is responsible for directing blood to the skin and lungs. Blood flows from the Pulmocutaneous circulation is part of the amphibian circulatory system. They in turn each split the ventricle's output into the pulmocutaneous circuit and the systemic circuit. It is responsible for directing blood to the skin and lungs 3935e2c4a4

== Design of natural/forced circulation evaporators == 3935e2c4a4 == See also == 3935e2c4a4 In 1904, President Theodore Roosevelt sought to beautify American coinage, and proposed Saint-Gaudens as an artist capable of the task. Although the sculptor had poor experiences with the Mint and its chief engraver, Charles E. Barber, Saint-Gaudens accepted Roosevelt's call. The work was subject to considerable delays, due to Saint-Gaudens's declining health and difficulties because of the high relief of his design. Saint-Gaudens died in 1907, after designing the eagle and double eagle, but before the designs were finalized for production. 3935e2c4a4 The two intentionally spared coins are in the U.S. National Numismatic Collection, ten others are held in the United States Bullion Depository at Fort Knox, and the one remaining recovered coin was sold in 2002 to private collector Stuart Weitzman (who remained anonymous at the time) for US\$7... 3935e2c4a4 Double outlet right ventricle 3935e2c4a4 Single ventricle with functional left ventricle: 3935e2c4a4 The AMOC is composed of a northward flow of warm, more saline water in the Atlantic's upper layers and a southward, return flow of cold, less salty, deep water. Warm water from the south is more saline because of the higher evaporation rate in the tropical zone. The warm saline water forms the upper layer of the ocean, but when this layer cools down, the density of the salty water increases, making it sink into the deep. This is an important part of the motor of the AMOC system. The limbs are linked by regions of overturning in the Nordic Seas and the Southern Ocean. Overturning sites are associated with intense exchanges of heat, dissolved oxygen... 3935e2c4a4 Double inlet right ventricle 3935e2c4a4 Infants born with DILV cannot feed normally (breathlessness) and have difficulty gaining weight. The mixed blood in systemic circulation leads to hypoxia (lack of oxygen to the body and organs), so infants develop cyanosis and breathlessness early. 3935e2c4a4 Single ventricle heterotaxy syndrome is also included to this category. 3935e2c4a4 Double circulatory system 3935e2c4a4 There are several types of double-decker buses as shown in the imagebox below: 3935e2c4a4

Saint-Gaudens double eagle The coin is named after its designer, the sculptor Augustus Saint-Gaudens, who designed the obverse and reverse. S. The coin is named after The Saint-Gaudens double eagle is a twenty-dollar gold coin, or double eagle, produced by the United States Mint from 1907 to 1933. The Saint-Gaudens double eagle is a twenty-dollar gold coin, or double eagle, produced by the United States Mint from 1907 to 1933. coins. It is considered by many to be

the most beautiful of U

Tricuspidal atresia == Presentation == Pulmonary atresia

Circulation evaporator Circulation evaporation incorporates the use of both heat exchangers and flash separation units in conjunction with circulation of the solvent in order to remove liquid mixtures without conventional boiling. Circulation evaporation incorporates the use of both heat exchangers and flash separation units in conjunction with circulation of the solvent. Circulation evaporators are a type of evaporating unit designed to separate mixtures unable to be evaporated by a conventional evaporating unit. There are two types of Circulation Evaporation; Natural Circulation Evaporators and Forced Circulation Evaporators, both of which are still currently used in industry today, although forced Circulation systems, which have a circulation pump as opposed to natural systems with no driving force, have a much wider range of appropriate uses.

Double inlet left ventricle (DILV) After several versions of the design for the double eagle proved too difficult to strike, Barber modified Saint-Gaudens's design, lowering the relief so the coin could be struck with only one blow. When the coins were finally released, they proved controversial as they lacked the words "In God We Trust", and Congress intervened to require... Double outlet left ventricle Jersey fabric was originally made from wool, but it has since evolved to include cotton and synthetic blends, with common ratios being 50/50 or 60/40. These blends affect the fabric's durability and comfort, making it widely used in clothing items such as T-shirts and underwear. Today, jersey fabric is prized for its lightweight and stretchy qualities and is often made from materials like rayon or viscose, which provide a soft texture and excellent drape. Many modern versions of jersey fabric incorporate Lycra, spandex, or elastane to enhance stretchability.

Double-decker bus They appear in many places around the world, but are presently most commonly used as mass transport in major cities. The absence of double-decker buses on regular service lasted until 2011, when STCP acquired 15 double-decker buses, of the A double-decker bus is a bus that has two storeys or decks. of them still in circulation. Double-deckers are used primarily for commuter public transport, but there are coach variants for long-distance travel and open top buses that are most commonly used as sightseeing buses for tourists.

Single ventricle with functional right ventricle: The earliest double-decker was the horse-drawn omnibus, which appeared in Paris in 1853 and became motorised in the 1900s. Double-decker buses were popularised in Great

Britain at the start of the 20th century, with the best-known example being the red London bus, namely the AEC Routemaster. Double-deckers in urban transport were also in common use in other places, such as major cities of India, but were mostly phased out by the end of the 20th century. However, they remain common in Britain as well as Ireland and Hong Kong, while in Singapore and Dhaka they have been introduced and greatly expanded in the aftermath of British colonial rule. 3935e2c4a4

Jersey (fabric) It was originally made of wool, but is now made of wool, cotton and synthetic fibers. allows air circulation making it perfect for warm weather. Single fabric is an ideal material for clothing, t-shirts, baby clothing, casual wear, and yoga clothing Jersey is a knit fabric used predominantly for clothing manufacture 3935e2c4a4

The network of blood vessels are the great vessels of the heart including large elastic arteries, and large veins; other arteries, smaller arterioles, capillaries that join with venules (small veins), and other veins. The circulatory system is closed in vertebrates, which means that the blood never leaves the network of blood vessels. Many invertebrates such as arthropods have an open circulatory system with a heart that pumps a hemolymph which returns via the body cavity rather than via blood vessels. Diploblasts such as sponges and comb jellies lack a circulatory system. 3935e2c4a4

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