Product Description of Sealed

The liquid-cooled dry disconnect coupling is a high-end fluid connection component developed for data center liquid cooling, energy storage battery thermal management and high-power equipment cooling systems.It adopts a dry-type structure with dual-valve interlock. Both male and female ends seal automatically and synchronously upon disconnection to achieve zero leakage during connection and disconnection. Equipped with an integrated safety interlock mechanism for ball valves: the valves cannot be opened unless the coupling is fully mated, and the coupling cannot be disconnected before the ball valves are closed, eliminating leakage risks caused by misoperation.

The coupling body is forged from 304/316 stainless steel, resistant to corrosion from heat transfer media such as ethylene glycol coolant and deionized water. The optimized full-flow bore design delivers lower pressure drop and smooth medium flow, suitable for closed-loop cooling pipelines.It is ideal for liquid cooling circuits requiring frequent disassembly and maintenance. It effectively prevents circuit boards and battery modules from being corroded by leaked coolant, ensuring stable operation of the whole thermal management system.

Core Functions：

1. Leak-proof sealing: The male and female ends are sealed simultaneously, ensuring zero leakage during both connection and disconnection;
2. Safety interlock mechanism: The valve can only be opened after the joints are fully engaged; the joints cannot be disengaged before the ball valve is closed.;
3. Corrosion resistance and durability: Cast from stainless steel in a single-piece molded design, it is capable of resisting corrosion caused by heat transfer media such as ethylene glycol coolant and deionized water;

Nominal Diameter	DN25
Material	stainless steel
Sealing Material	EPDM
Applicable Temperature	3~70℃
Nominal Pressure	10bar
Diameter(CM/Set)	7
Height(CM/Set)	9
Weight(KG/Set)	0.7

Water tanker components: Sealing Series　DSJT-DC3S/A1

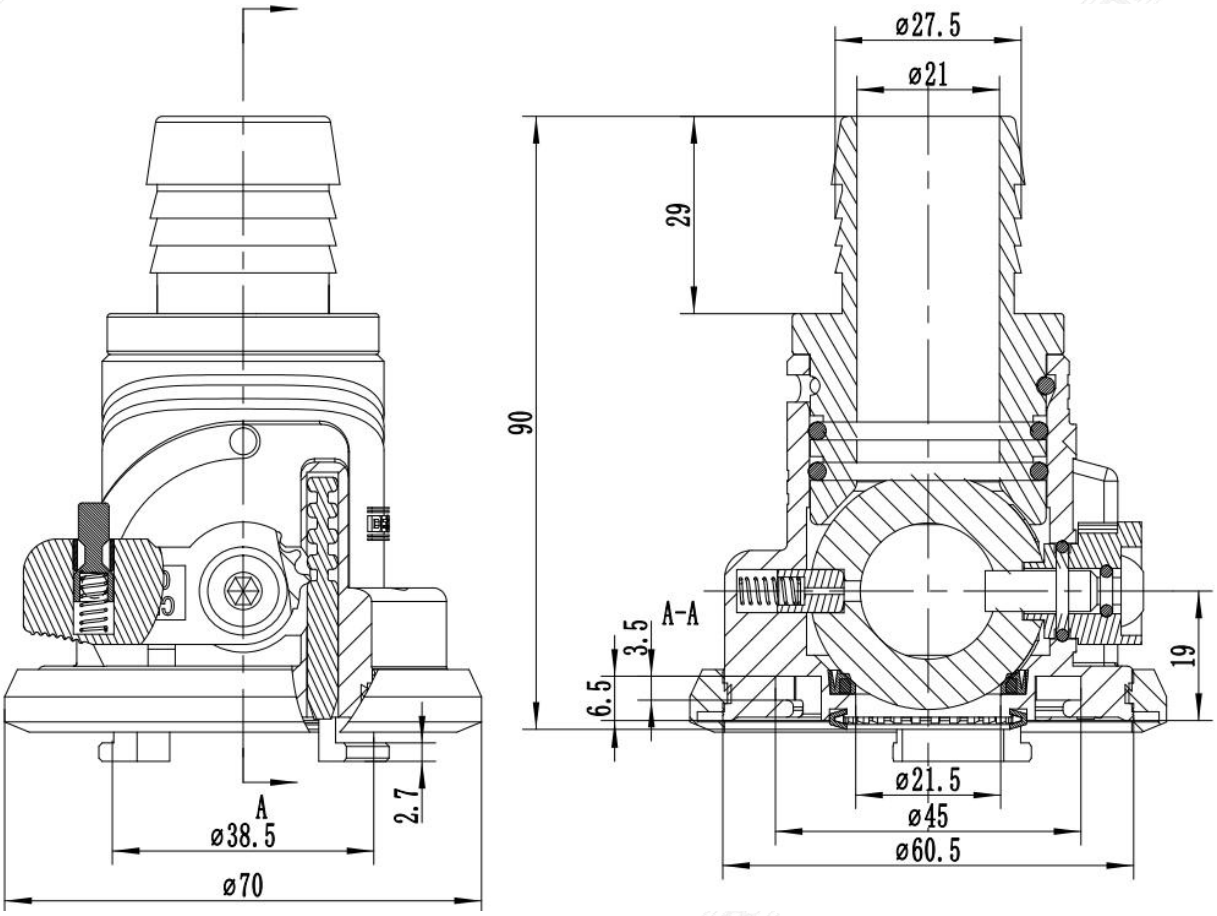


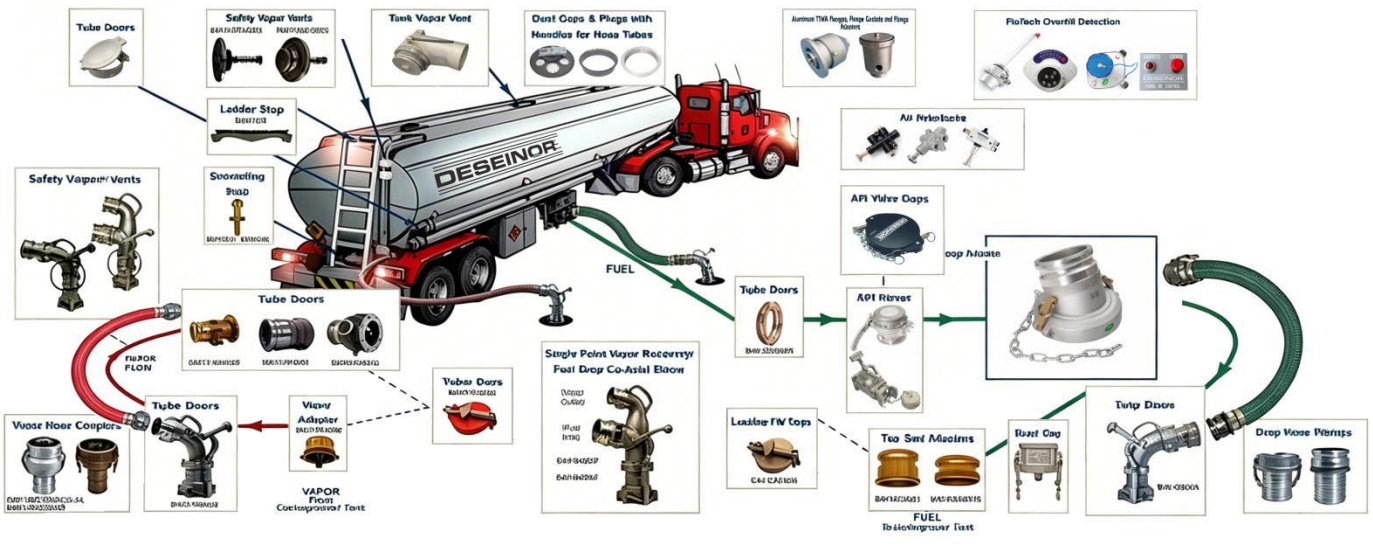
Functional Characteristics

1. Manufactured using stainless steel casting technology, with a surface passivation treatment.
2. The safety interlock mechanism requires all ball valves to be closed before the connection can be disconnected .
3. The male and female ends feature synchronized sealing, ensuring zero leakage during connection or disconnection.
4. All main components are made of stainless steel.






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Tube Doors
Safety Vapor Vents
Tank Vapor Vent
Dust Caps & Plugs With Handles for Hose Tubes
FloTech Overfill Detection
Ladder Stop
DESEINOR
Safety Vapor Vents
Tube Doors
FUEL
API Rivet
Tube Doors
Single Point Vapor Recovery Fuel Drop Co-Axial Elbow
Vapor Hose Couplers
Tube Doors
Vapor Adapter
VAPOR
Twin Doors
Drop Hose Pipings
Ladder Fill Cap
Two Set Maglims
Reel Cap
FUEL