



DPTWX
达谱特科技

DPT Fluid Tech Introduction

April 2025

- Established in 2016
- Headquartered in Wuxi, China
- Two manufacturing facilities in Wuxi,
- Manufacturing Joint Venture in NingBo & Jinjiang,
- ISO 9001 certified & IATF 14949 compliant;
- In process of setting up multiple support locations around the world

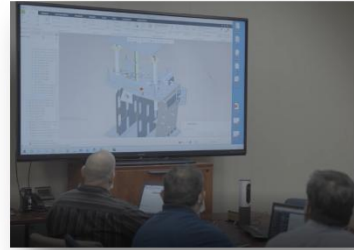


Engineering Tools:

- 3D CAD (PTC-Creo/ProE)
- FEA (PTC-Creo Simulate)
- CFD (Mentor-FloEFD)
- 3D Printing, tool design, industrial engineering, quality engineering, capability studies, technical benchmarking

Full Suite of In-House Testing Offerings:

- Environmental test Chamber
- Air leak tester
- Vibration test platform
- Flow testing
- Durability test platform (with contamination)



Application Expertise



On-Road

- Commercial Vehicles
- Busses
- Specialty



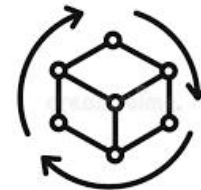
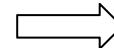
Off-Road

- Tractors
- Bulldozers
- Excavators
- Forklifts

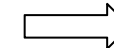
FULL STOP
ENGINEERING
SOLUTION



Design

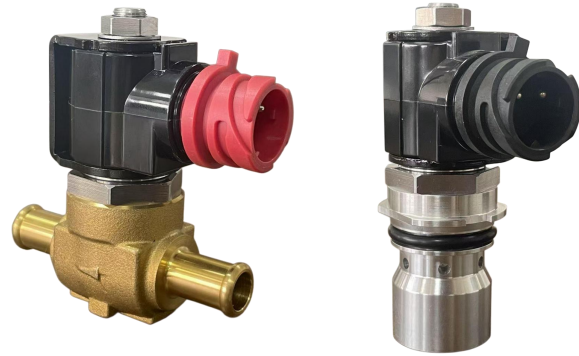


Prototype



Validation

SCR Coolant Control Valves – DEF tank heating control



High Pressure Water Piston Pumps Water Valves



Customized water hydraulic systems

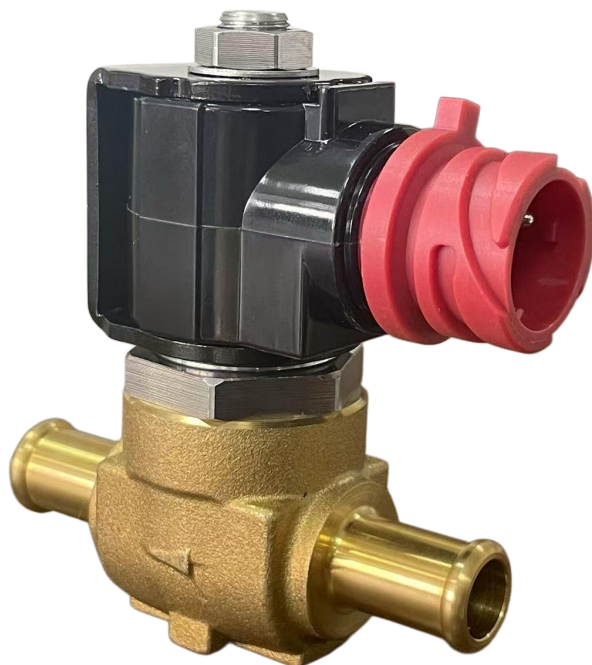


Serving Renowned Manufacturers with Value-Add Engineered Solutions

STANDARD OPTIONS



Integrated with DEF header



2-Bolt Mounting

Mounting Style

- 2-Bolt Mounting
- Integrated with DEF header

Voltage Options

- 12V or 24V

Port Options

- 1/2" or 5/8" Brass beaded ends

Seal Capability

- IP69K Rated
- IP65 Rated

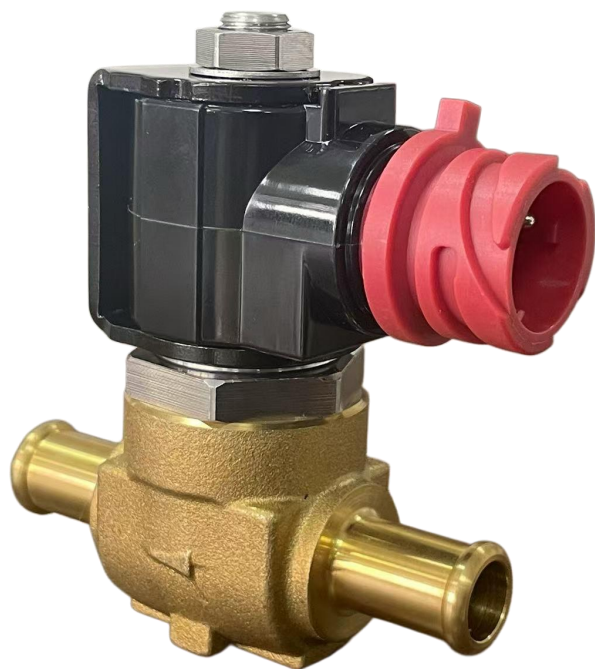
Electrical Connection

- ISO 15170 A1-2.3-Sn/K2

Surge Protection:

- Bi-directional 50V diode or without

The Features needed to Prevent Downtime



IP69K RATED SEAL CONNECTOR COIL

- Epoxy molded Class F coil suitable for high temperature requirements. Sealed design for high moisture, high pressure, and intermittent submersion environments.

COLD WEATHER FUNCTIONING

- Normal Functioning in low temperatures up to -40°C

DEBRIS RESISTANT DESIGN

- Retains valve performance when exposed to coolant contamination

FLEXIBLE COIL ORIENTATION

- Allows Easy Installation in tight spaces

HEAT-RESISTENT STRUCTURE

- Overmolding to avoid cracking during thermal expansions

CCV validation items

- High and Low temperature storage
- Combined Environmental Test
- Leak test
- Salt Spray
- Submersible test
- Durability test
- Salt Spray test
- Drop test
- Insolation resistance test
- Service life test
- Testing of the operating temperature of the solenoid coil
- Contamination resistance test
- Flow rate and pressure drop test
- Vibration test
- Opening voltage test

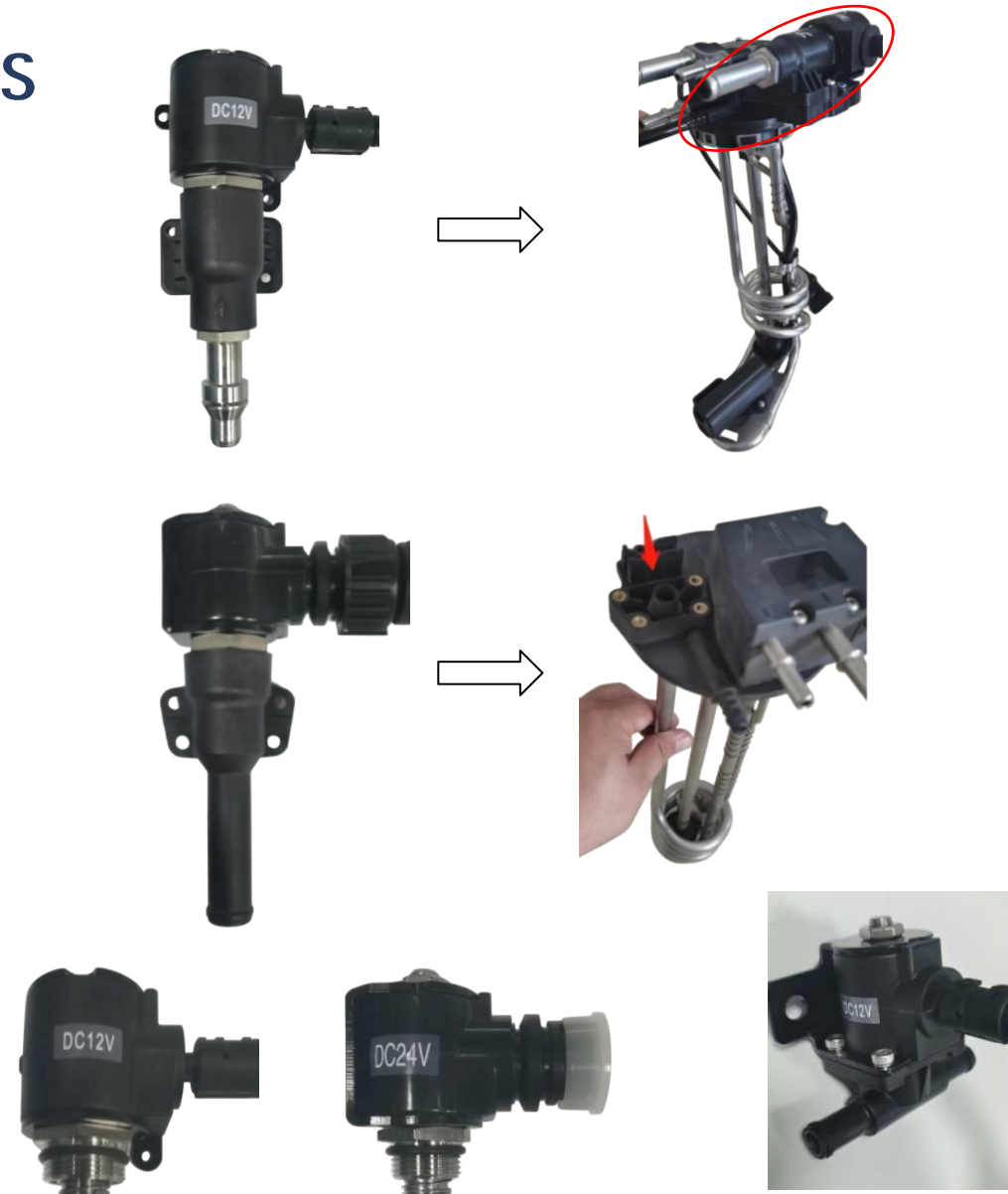


Coolant Heater Control Valve

EXAMPLES of CUSTOMIZED SOLUTIONS

Tailored to customer demand

- Mounting style
- Coil Voltage: 12V or 24V
- Sealing capability
- Electrical Connections
- Flow rate
- Contamination resistance
- Operating temperature range
- Operating pressure range
- Surge Protection



Tap-water pump

Seawater Pump

High Pressure Water Pump



Flow range 0.5m³/h~72m³/h

Water Direction Valve

Digital valve

Check valve

Water hydraulic cylinder

Other Water Hydraulic Components



Water high-pressure conveying system

Water hydraulic transmission system

Water Hydraulic System



Thank You