

Scienco DD6

Self-Priming Diaphragm Pump and Motor



Versatile and Reliable Closed System Pumping

The DD6 is a versatile self-priming diaphragm pump designed to transfer high and low viscosity liquids. Its unique mounting design makes it ideal for closed system mixing, transferring and rinsing since the pump never needs to be removed and the container never needs to be opened.

Applications

- Agriculture
- Chemical transfer
- Non-flammable liquids
- Light oils
- Inks
- Automotive fluids

Operating Parameters

- Flows to 45 l/m (12 gpm)
- Heads to 3.6 m (12 ft)
- Pressures to 1.7 bar (25 psi)
- Temperatures to 55°C (130°F)
- Viscosities to 250 cP (11 600 ssu)

Features and Benefits

Six-Celled Piston Diaphragm Construction is highly reliable and can run dry without damage.

Unique Mounting Design enables closed system mixing, transfer and rinsing.

Unique Slip-In-Place Discharge Port rotates 120° for easy operation.

Removable Drive Unit enables multiple unit pumping with a single motor.

Durable Stainless Steel and Non-Metallic Pump Construction provides excellent corrosion resistance.

Low Amperage Draw allows the motor to drive the pump without overheating.

Pump Cover protects pistons and springs from damage and contamination when not in use.

Manual Tank Vent is standard.

Materials of Construction

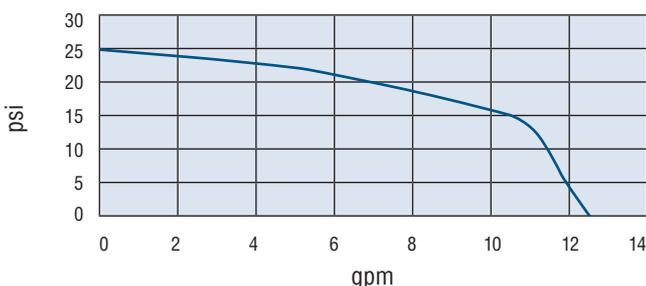
Component	Material
Pump housing	Glass-filled polypropylene
Internal wetted parts	Polypropylene, Ryton® and stainless steel
Diaphragm, Gaskets, O-rings	Santoprene® (Viton® optional)
Coupling	EPDM (Viton optional)
Hose clamps	Stainless steel
Discharge hose	EPDM

Note: Ensure chemical compatibility between liquid pumped and the wetted pump components prior to use.

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Pressure vs. Flow (water @ 70°F)



California Requirements

The state of California requires a closed transfer system to be used for removing pesticides from a container. To meet these requirements, a ball valve must be installed in place of the flow meter's quick connector and a dry break (Scienco Products KD-32 Clean-Lock™) must be used at the end of the hose.

Removable DD6 Drive Unit

The DD6 drive unit is a 12-volt motor (110 V AC available) designed for use with the DD6 pump. It is well suited to operate pumps transferring both viscous and thin liquids.

The DD6 motor is easily removed to facilitate maintenance. This feature also enables multiple unit pumping with a single motor. Operating costs are reduced since multiple motors are not needed.

The DD6 motor is available alone or as part of a drive unit package. The DD6 drive unit package includes: DD6 motor, electronic flow meter, discharge elbow, discharge hose, ball valve, spout and aluminum quick coupler.

Operating Parameters

- Operating current: 15 to 25 amps
- Speed: 2600 rpm
- Power source: 12 V DC; 110 V AC optional



DD6 Drive Unit and Accessories

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