

# Scienco PH6 Panther

Diaphragm Transfer Pump



## Powerful and Versatile

The PH6 Panther diaphragm transfer pump is engineered for use with low and high viscosity fluids. Designed to fit virtually any container, the PH6 is the standard for many ag-chem mini-bulk systems. Capable of generating a maximum pressure of 1.7 bar (25 psi), it is able to pump viscous chemicals even on the coldest mornings. Its 12-volt motor is engineered to produce a flow rate of 30 to 38 l/m (8 to 10 gpm) at 16°C (60°F) with a 30-minute duty cycle. For application flexibility, the PH6 may be vertically or horizontally mounted.

### Operating Parameters

- Flows to 38 l/m (10 gpm)
- Heads to 3.6 m (12 ft)
- Pressures to 1.7 bar (25 psi)
- Temperatures to 55°C (130°F)
- Viscosities to 2500 cP (11 600 ssu)

### Applications

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

### Features and Benefits

**Removable Cartridge** containing diaphragm, valves and bypass assembly simplifies maintenance and field replacement

**Multiple Pump-Chamber Design** increases pump dependability and availability

**Chemically Resistant, Non-Metallic Construction** prolongs pump life. Nylon® pump housing and EPDM seals standard. Polypropylene housing and Viton® seals available. Diaphragm design is able to pump high or low viscosity fluids

**Vertical or Horizontal Container Top Mount** provides application flexibility

**50 mm (2 in) Suction Port** is adaptable to most container fittings or a camlock fitting. A 25 mm (1 in) reducer is available

**Optional SPAN Cap** fits tanks with 190.5 mm (7.5 in) male threaded openings. It is available in no recirculation, auto-recirculation and manual recirculation designs

### Materials of Construction

Component	Standard Material	Optional Material
Casing	Glass-filled nylon	Glass-filled polypropylene
Cartridge housing	Polyphenylene sulfide (PPS)	
Valves	Stainless steel	Epoxy
O-rings	EPDM	Viton®, Buna-N®
Diaphragm	Santoprene®	

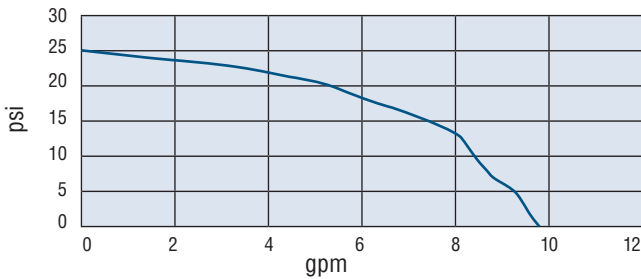
Note: Ensure chemical compatibility between the liquid pumped and the wetted pump components prior to use.

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® Buna-N is a registered trademark of the DuPont Company.

® Santoprene is a registered trademark of the Monasanto Company.

### Pressure vs. Flow (water @ 70° F)



### Available Equipment and Accessories

The PH6 Panther pump is available in multiple configurations, each with varying equipment and accessories. Dip tubes, bung adapters, male and female camlocks, ball valves and spouts, SPAN caps and discharge hoses are available.

Refer to the Scienco Product Support Catalog (P-70-100) to learn more about the available configurations.

### Portable PH6 CADDY System

With its lightweight tubular frame, the PH6 CADDY System provides maximum portability and ease of handling for users of multiple containers.

The PH6 CADDY System includes: the tubular frame; the PH6 pump with 12-volt motor; an SEM-10 flow meter; a ball valve and spout; and two 25 mm (1 in) EPDM hoses. Other configurations are available and may include the SEM-10SS flow meter or the 110-volt motor.



PH6 CADDY System with SEM-10 Flow Meter

### Reliability Guaranteed by 5-Year Service Program

Scienco's standard-duty PH6 Panther pumps, PH6 CADDY Systems and pump-mounted SEM-10 flow meters are backed by its industry-leading 5-Year Service Program. Through this program, Scienco pump users will spend less money and time on chemical transfer equipment than ever before.



For additional information about Scienco pumps or Scienco's 5-Year Service Program, please call 800 343 PUMP (7867).

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