

Genuine
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Flextool



Submersible Trash Pump Model 212 - 50mm

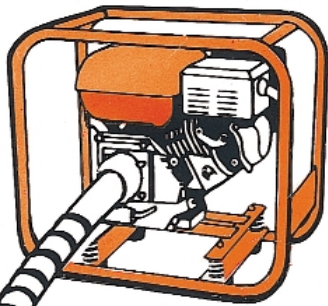
For Pumping • Water • Trash • Oil
• Sand • Sludge • Effluent • Silt



A gutsy & versatile portable pump.

- **Self priming** - Starts pumping immediately.
- **Choke resistant** to allow the free passage of sludge and solids up to 28 mm.

- **High performance** yet portable.
- **No suction hose** is necessary.
- **Flexibility** - Choose from petrol, diesel, electric or pneumatic drive units.



APPLICATIONS

Abattoirs

Liquid waste disposal.

Construction

Excavation dewatering.

Hire Industry

This versatile pump suits a wide range of applications. The petrol, electric, diesel or pneumatic drive unit used with the pump also operates concrete vibrators, providing greater plant flexibility.

Manufacturing Industry

Used by chemical works, paper mills, food processing plants and maintenance engineers.

Harbour Authorities

For use by rescue craft, for pumping out barges, boats and trawlers. Also effective for 'sinking' piles and minor dredging of canals and waterways.

Mining

Pumps waste water from underground and surface workings.

Pork Producers and Dairy Farmers

Pumps liquid manure from effluent pit to pond.

Ready Mixed Concrete Plants

Pumps waste water from flushing pits.

Rural Fire Services

Fills tankers from dams & streams.

Government Water, Sewerage, Power, & Telecommunication Authorities

Plumbers & Drainers

For dewatering trenches, pits and excavations.

Fact Sheets For further details on these and other applications, ask for a 212 pump Fact Sheet.

DRIVE OPTIONS



Petrol Unit

Petrol drive units are available with a range of four-stroke motors. An oil level sensor is fitted to protect the motor from a lack of crankcase oil.



Diesel Unit

The diesel drive unit is ideal for unattended operation and long term reliability. The motor has a manual recoil starter for easy starting.

PUMP FEATURES

Functional Design

The pump is robust, with materials selected for strength, abrasion and corrosion resistance. The pump spindle (19) is stainless steel. The body (13) is a

one piece volute with a steel outlet (7) and stainless steel studs (8).

No Priming Problems

The pump head operates underwater, driven by a flexible shaft from the drive unit. Underwater operation of the pump head ensures that it is self priming and starts pumping immediately.

Solids Handling

Wide passages through the strainer (11), impeller and body allow the unobstructed passage of solids up to 28 mm and fluids with up to 60% solids in suspension.

High Performance

The quick-action flexshaft coupling allows separation of the pump from the drive unit in seconds, for transport and storage, making this one of the highest performance 50 mm trash pumps for one man operation. The three-tooth dog drive on the flexshaft fits all drive units.

Oil reservoir lubrication

The pump head bearings are oil lubricated (18) to reduce maintenance.

No Hose Storage Problems

The 212 pump uses inexpensive layflat discharge hose (6) that rolls up conveniently after use to occupy less space for transport and storage.

Proven Performance

The reliability of these pumps is well proven with over 25,000 sold throughout Australia and New Zealand.

Heavy Duty Bearings

Two precision ball bearings support the pump spindle. A double row bearing (16) carries the impeller thrust load.

Multiple Seals

Four synthetic rubber seals (15) overcome problems of ceramic mating faces and dry running.

Replaceable Seal Sleeve

The seals run on a hardened sleeve (14) that eliminates replacement of the pump spindle due to seal wear.

Heavy Duty Flexible Shaft

The high tensile steel wire core (5) gives the flexible shaft a high torque capacity. The casing has a spring steel liner (4) with a synthetic rubber cover (2) and steel wire braid (3) for additional

strength. External springs (1) at each end provide additional reinforcement.

Steel Wear Plates

Toughened steel plates (9) & (10) protect the aluminium housing and body of the general purpose pump and reduce wear from abrasive fluids.

No Suction Hose Problems

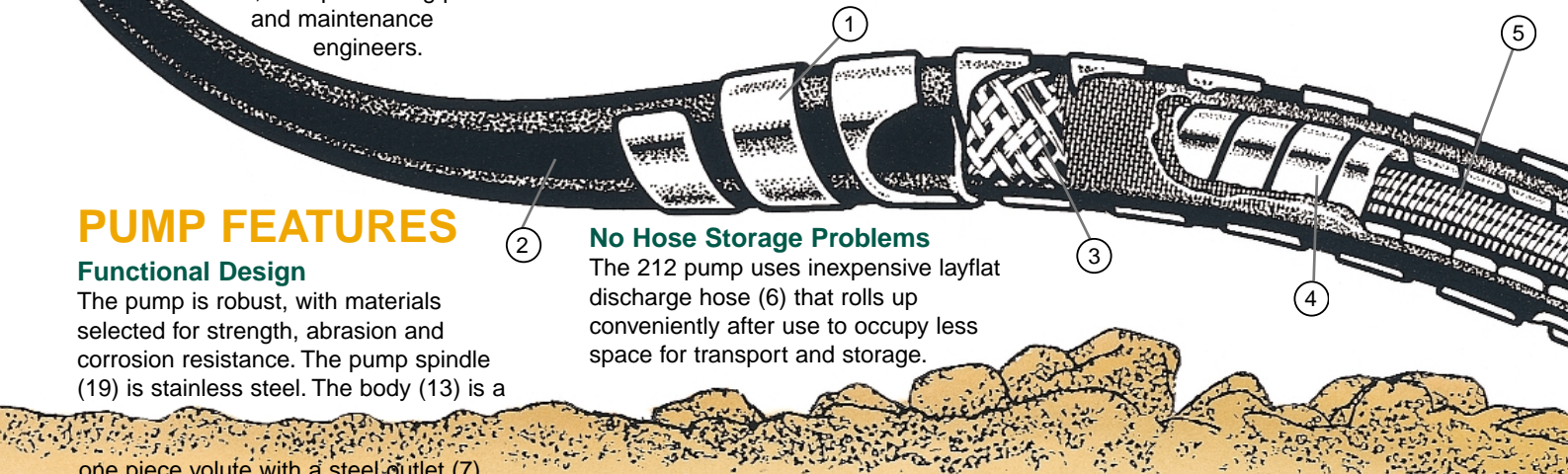
Unlike close coupled pumps that use costly suction hose that is bulky and may have problems with air leakage, the 212 pump uses lightweight, inexpensive discharge hose.

Easy Maintenance

Design of the pump head facilitates easy maintenance. Three eye nuts (17) allow removal of the body in seconds, without special tools, to access the impeller.

Choke Resistant Impeller

The impeller (12) has two blades to allow the free passage of solids up to 28 mm diameter and a shroud to reduce wear.



satility In Motion!

PUMP OPTIONS

Electric Unit

For permanent installation with 240 volt single phase or 415 volt three phase power supply.



General Purpose Pump

The standard pump has an aluminium body, housing, strainer and a 6 m flexshaft for portability and general applications.



Chemical Resistant Pump

The cast iron body, housing and strainer gives resistance to corrosive action.



Pneumatic Unit

Suitable for applications where petrol, exhaust fumes, or the use of electricity is a hazard.



Abrasion Resistant Pump

The cast iron body provides extended life under abrasive conditions, making it suitable for operation in gravel and sandy soil.



Slurry Pump

Designed for the demands of the mining industry, the slurry pump has a cast iron body for superior abrasion resistance and a pressure balanced seal for longer life.

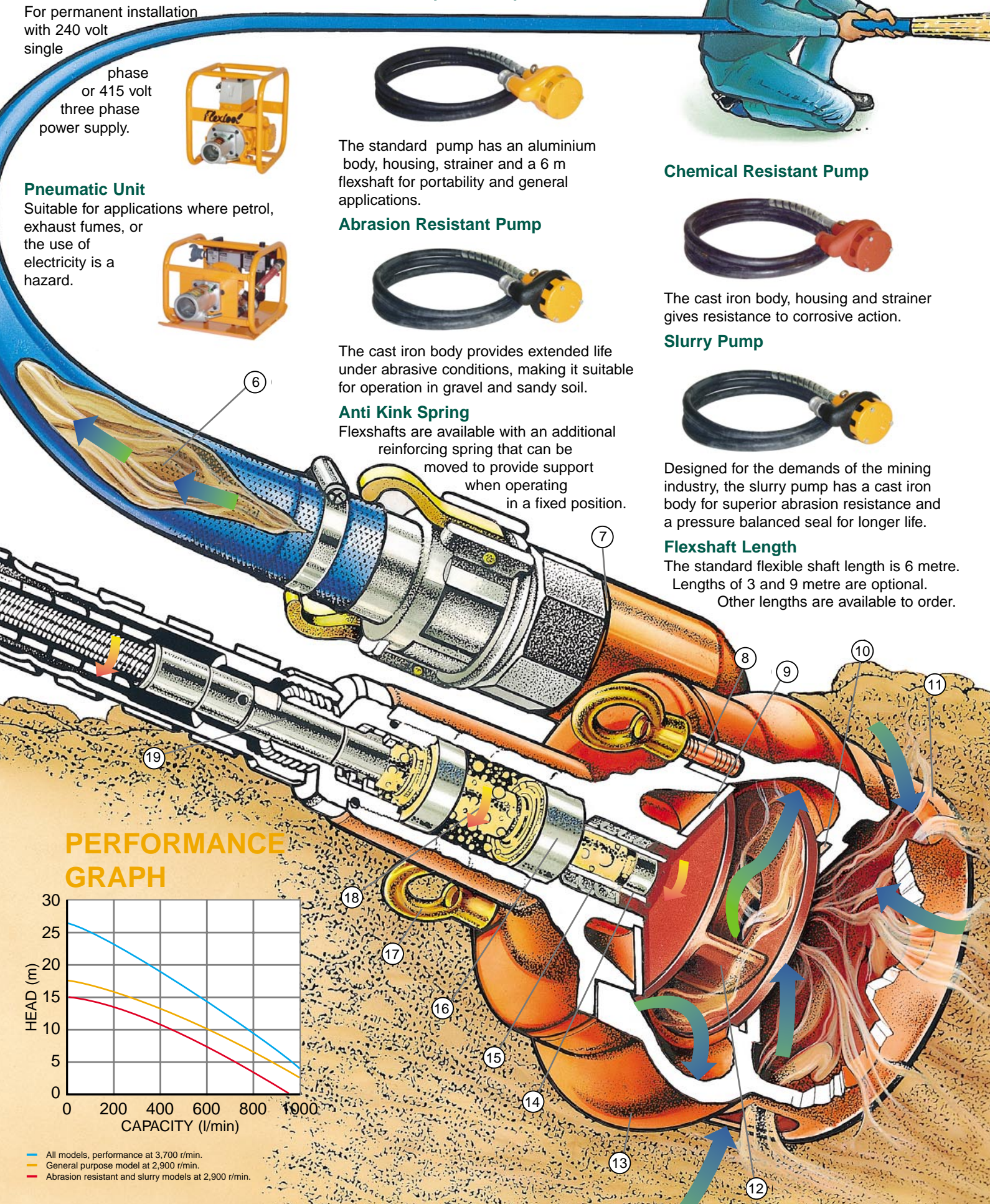


Anti Kink Spring

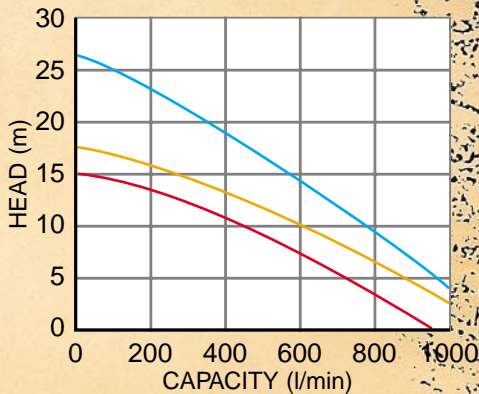
Flexshafts are available with an additional reinforcing spring that can be moved to provide support when operating in a fixed position.

Flexshaft Length

The standard flexible shaft length is 6 metre. Lengths of 3 and 9 metre are optional. Other lengths are available to order.



PERFORMANCE GRAPH



- All models, performance at 3,700 r/min.
- General purpose model at 2,900 r/min.
- Abrasion resistant and slurry models at 2,900 r/min.



Back Up & Service

HIGH HEAD OPTION

High Head Performance



Increasing the governed speed of the petrol drive unit above the standard setting of 3,000 r/min raises the head performance of the model 212 pump. At 3,700 r/min the maximum head of the general purpose pump increases to 26 metre. Heavy duty 5.6 or 6.0 kW petrol drive units are recommended for continuous high speed operation.

EQUIPMENT OPTIONS

Flexible Shaft Product Range

Besides powering the pump, the portable petrol, diesel, electric and pneumatic drive units are suitable for operating other flexible shaft driven equipment. An extensive range of immersion vibrators is available for compaction of concrete.

ACCESSORIES

Discharge Hose



Layflat and reinforced discharge hose are available in coils and cut lengths. Layflat hose is lightweight, less expensive and rolls flat to facilitate handling and save space.

Quick Action Hose Fittings



Save time and eliminate problems with dirty screw threads. Cam-locking lever action fittings enable quick connection of the hose to the pump. Joiners are available for coupling separate hoses.

Extension Flexshafts



Fit a 3 m or 6 m extension flexshaft between the drive unit and the pump to dewater holes down to 12 m depth. It has a sealed quick action coupling for underwater operation.

AFTER SALES SERVICE

Spare Parts and Service

The national branch and dealer network assure prompt parts' availability and after sales service.

Warranty

Flextool products are backed by a six month warranty.

Australian Manufacture

Flextool is a privately owned Australian enterprise that has specialised in the design and manufacture of portable construction equipment for over 50 years.

Product Range

Flextool offers a broad range of equipment and accessories. Ask for the comprehensive Flextool Product Catalogue.

SPECIFICATIONS

| Pump Model | Maximum Head | | Maximum Discharge | | Flexshaft Length Pump Weight | | |
|--|------------------|------------------|-------------------|---------------------|---------------------------------|-------------------------|-----------------|
| | @ 2,900 r/min | @ 3,700 r/min | @ 2,900 r/min | @ 3,700 r/min | 3m | 6m | 9m |
| General Purpose | 16.5 m | > 26.0 m | 63,000 litre/h | > 64,500 litre/h | 19 kg | 26 kg | 34 kg |
| Abrasion Resistant Chemical Resistant Slurry | 15.0 m | 26.0 m | 56,400 litre/h | 64,500 litre/h | 23 kg 36 kg - | 33 kg 45 kg 38 kg | 43 kg - - |

Outlet: 50 mm (2 in. BSP). Solids: Up to 28 mm dia. or up to 60% in suspension. Minimum Power Required: 2.2 kW



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