SCAMONT
ENGINEERING

RECIPROCATING PLUNGER SLUDGE PUMPS

DYNAMIC | POWER | MOTION

SCAMONT

TRIPLEX PD PUMPS

SP200

Single Acting Reciprocating Plunger Sludge Pump

First launched in 1984, the Scamont SP200 pump is regarded as the benchmark for high pressure pumping applications across multiple industries. The most common application of the Scamont SP200 is in the mining industry where the removal of mud, sludge and dirty water from underground is of critical importance.

The Scamont range is the most advanced in the positive displacement mud pump class because it incorporates innovative design features with proven mechanical technology. The pump casing is made from fabricated steel and stress relieved before machining, thus providing exceptional rigidity. The split-casing design allows for quick and easy maintenance and refurbishment to be carried out more effectively and efficiently than previous generation pumps. This includes the ability to replace bearings and gears with minimum effort.

The benchmark for high pressure pumping applications

Recommended Motor Size: 110 kW

Larger motors can be installed however maximum pressure cannot be exceeded.

Recommended NPSHr: 9.8kPa (gauge)

Suction lines longer than 6m will result in a greater NPSHr. Please contact a Scamont representative to assist.

Pump Monitoring Device

Scamont offers a lubrication and heat monitoring system which trips the pump on low oil, filter block or oil temperature limit.

Materials of Construction

Scamont Engineering can alter the materials of construction for any application including mud and acid water.

Curves

For further information regarding the performance and general arrangement of the Scamont SP200 please contact Scamont Engineering directly.

Pump Configuration	Displacement (l/s)	Max Pressure (MPa)
SP200 3“	4.63	20.7
SP200 3 1/2“	6.3	15.8
SP200 4“	8.23	12.01
SP200 4 1/2“	10.42	9.55

FEATURES

- Robust design with fabricated steel frame allowing for refurbishment
- Fluid end configuration interchangeable with Scamont SP600
- Clear water or slurry service with solids up to 8mm in size
- Low R.P.M
- Simple maintenance procedure
- From 4.63 litres per second at 20.7 MPa to 10.42 litres per second at 9.55MPa dynamic head
- Different materials of construction available in order to deal with a multitude of corrosive forces
- Electric or diesel motor driven
- Proudly manufactured in South Africa

APPLICATIONS

- High dynamic head applications
- Horizontal or vertical transfer
- Underground and surface mining operations
- Settler underflow
- High pressure jetting or hosing
- Shaft bottom de-watering
- Stage mounting during shaft sinking
- Backfill pumping
- Grout plants
- Tailings

SCAMONT

TRIPLEX PD PUMPS

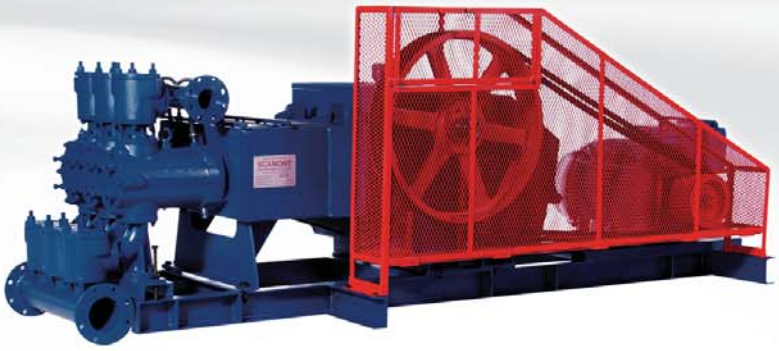
SP600

Single Acting Reciprocating Plunger Sludge Pump

First launched in 2010, the Scamont SP600 pump has taken the class-leading design and performance of the SP200 pump and tripled the flow rates achievable through a design-protected enhancement. The most common application of the Scamont SP600 is in the mining industry where the removal of mud, sludge and dirty water from underground is of critical importance.

The Scamont SP600 is designed to provide insitu conversion between the SP200 and SP600, allowing for significant user flexibilty in changing applications and hence significantly reducing costs.

Robust design and construction suited to the harshest conditions.



Recommended Motor Size: 110 kW

Larger motors can be installed however maximum pressure cannot be exceeded.

Recommended NPSHr: 39.24kPa (gauge)

Suction lines longer than 6m will result in a greater NPSHr. Please contact a Scamont representative to assist.

Pump Monitoring Device

Scamont offers a lubrication and heat monitoring system which trips the pump on low oil, filter block or oil temperature limit.

Materials of Construction

Scamont Engineering can alter the materials of construction for any application including mud and acid water.

Curves

For further information regarding the performance and general arrangement of the Scamont SP600 please contact Scamont Engineering directly.

Pump Configuration	Displacement (l/s)	Max Pressure (MPa)
SP600 6“ @ 70 RPM	13.02	7.5
SP600 6“@ 100 RPM	18.52	5.3
SP600 7 1/2“@ 66 RPM	19.25	5.1
SP600 7 1/2“@ 100 RPM	28.92	3.41

FEATURES

- New release ideally suited for higher volume lower head applications
- Robust design with fabricated steel frame allowing for refurbishment
- Registered Design Protection
- Fluid end configuration interchangeable with Scamont SP200
- Clear water or slurry service with solids up to 8mm in size
- Low R.P.M
- Simple maintenance procedure
- Disposable valve bodies
- From 13.02 litres per second at 7.5MPa to 28.92 litres per second at 3.41MPa dynamic head
- Different materials of construction available in order to deal with a multitude of corrosive forces
- Electric or diesel motor driven
- Proudly manufactured in South Africa

APPLICATIONS

- Higher volumetric requirements
- Horizontal or vertical transfer
- Underground and surface mining operations
- Settler underflow
- Shaft bottom de-watering
- Stage mounting during shaft sinking
- Backfill pumping
- Grout plants
- Tailings

SCAMONT
DUPLEX PD PUMPS

FXG
Duplex Double Acting Reciprocating Piston Pump

Positive Displacement Sludge Pumps ideally suited to development phase and shaft bottom applications

The Scamont FXG pump is a smaller class of pump that operates on the basis of double action technology within the fluid end.

This pump is ideally suited for applications that require less volume and lower pressures. The Scamont FXG is firmly established as the pump of choice in the early stages of mining development projects when space and mobility are key requirements. The FXG is also widely used on drilling rigs.

Recommended Motor Size: 30 kW

Larger motors can be installed however maximum pressure cannot be exceeded.

Recommended NPSHr: 9.8kPa (gauge)

Suction lines longer than 6 metres will result in a greater NPSHr. Please contact a Scamont representative to assist. Negative suction heads are possible when pump is properly primed, contact Scamont representative for assistance.

Materials of Construction

Scamont Engineering can alter the materials of construction for any application including mud and acid water.

Curves

For further information regarding the performance and general arrangement of the Scamont FXG please contact Scamont Engineering directly.

Pump Configuration	Displacement (l/s)	Max Pressure (MPa)
FXG 3”	3.42	5.78
FXG 3 1/2”	4.72	4.19
FXG 4”	6.23	3.17
FXG 4 1/2”	7.89	2.5
FXG 5”	9.84	2

FEATURES

- Robust design with fabricated steel frame allowing for refurbishment
- Clear water or slurry service with solids up to 8mm in size
- Low R.P.M
- Simple maintenance procedure
- Mobility on a skid
- From 3.42 litres per second at 5.78MPa to 9.84 litres per second at 2MPa dynamic head
- Different materials of construction available in order to deal with a multitude of corrosive forces
- Electric or diesel motor driven
- Customised solutions available
- Proudly manufactured in South Africa

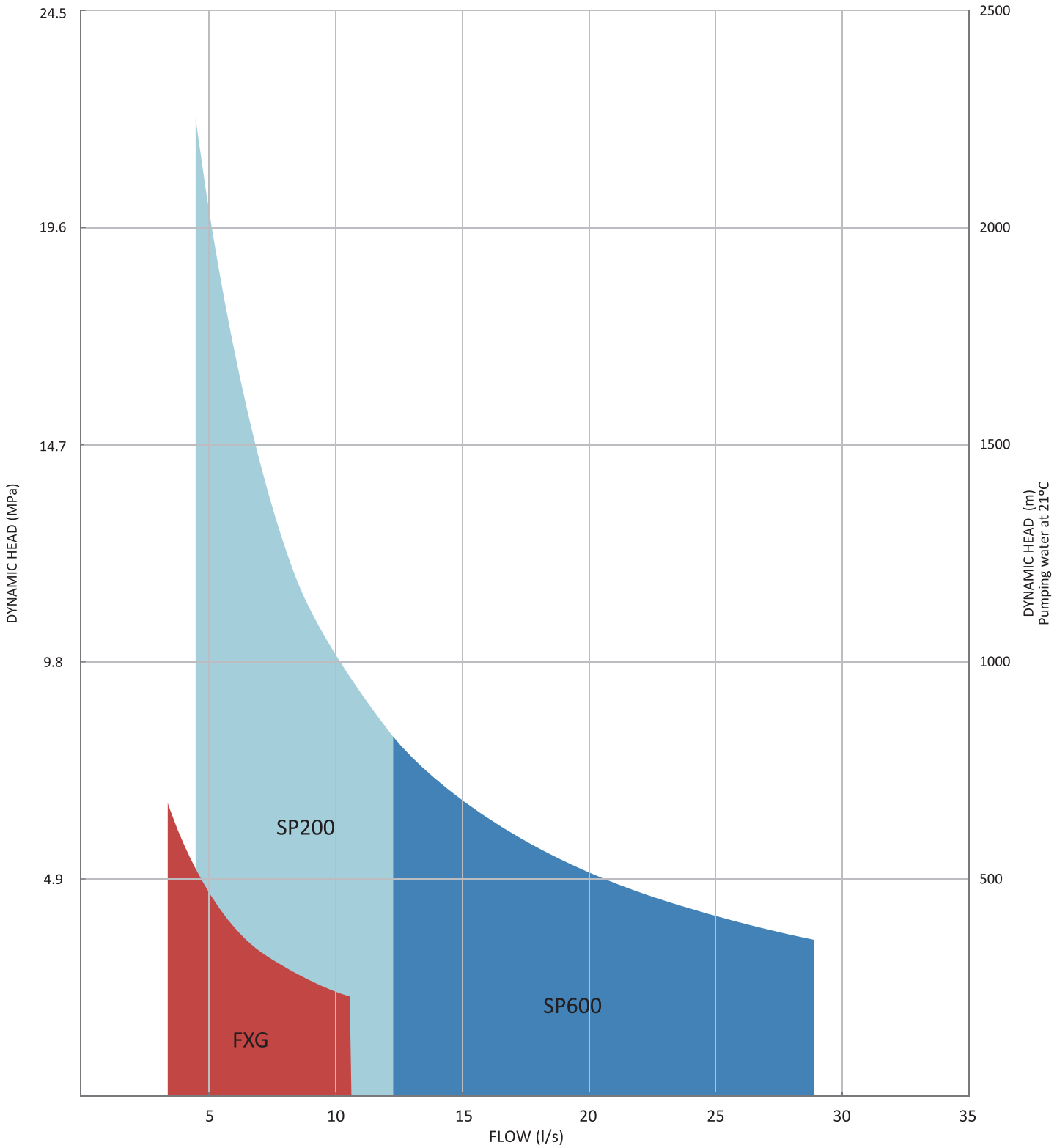
APPLICATIONS

- Underground and surface mining operations
- High pressure jetting or hosing
- Mud drilling
- Horizontal and vertical transfer
- Shaft bottom de-watering
- Stage mounting during shaft sinking
- Backfill pumping
- Grout plants
- Agriculture

SCAMONT

TRIPLEX & DUPLEX PD PUMPS

Flow & Pressure Comparisons



Pump Model	Pump Speed	Max Head	Max Flow Rate
SP200	100 rpm	20.7MPa	10.42 l/s
SP600	100 rpm	7.5MPa	28.92 l/s
FXG	80 rpm	5.78MPa	9.84 l/s

SCAMONT
ENGINEERING

Scamont is a South African company manufacturing high-quality precision equipment, at reasonable prices, backed by expert consultation and maintenance services. This positions our company as leaders in the supply of slurry and clear water pumps and rock drill machines to local and global mining industries. Scamont's success has been established by long-standing supply relationships with all the major South African mining houses, some extending over 25 years, and has led to expansion into other African countries such as Zambia, DRC, Tanzania, Botswana, and further afield to Australia and South East Asia.

- We repair and service most makes of plunger pumps
- We are a South African based company
- We are a high quality, low cost manufacturer

scamont.co.za

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