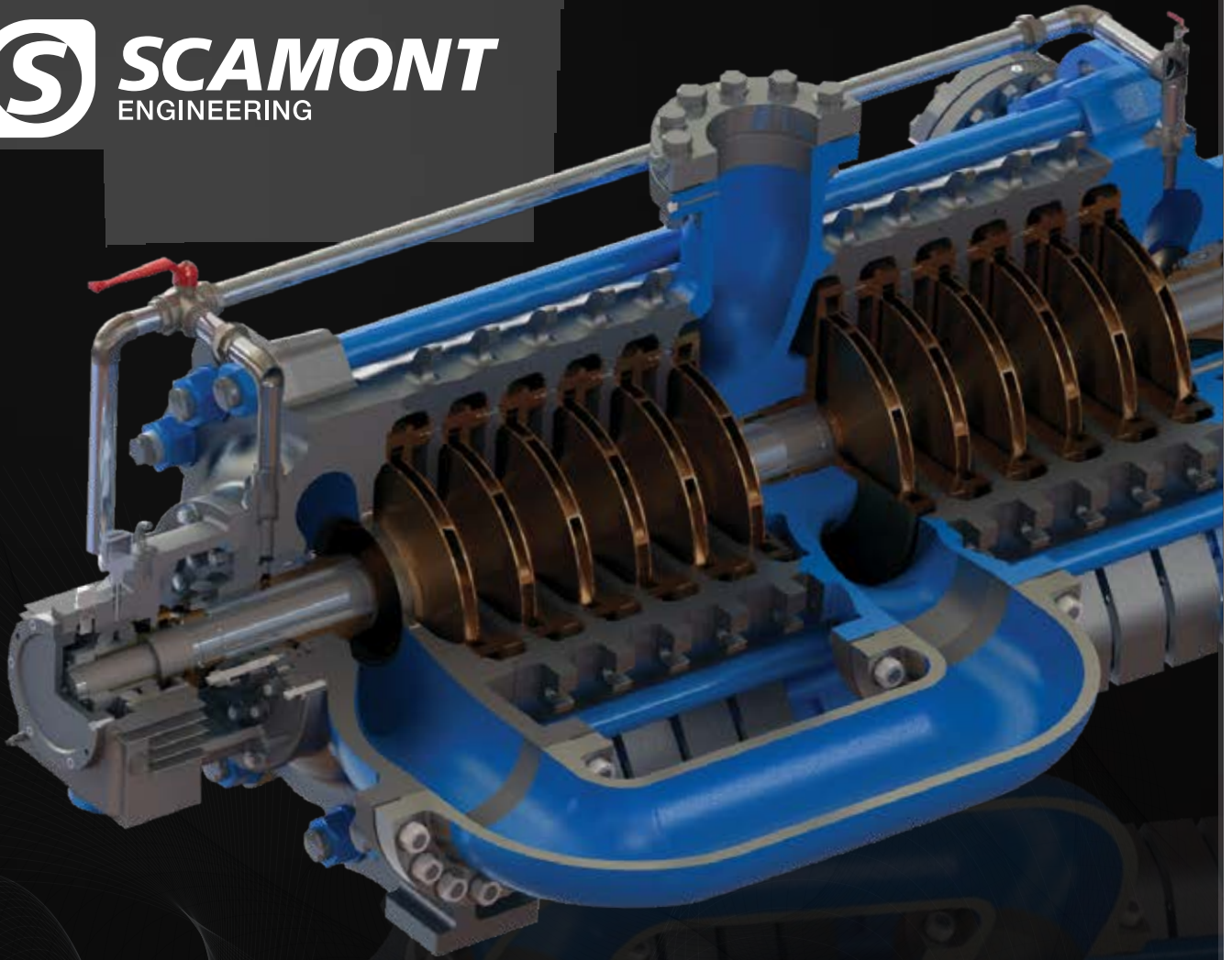




SCAMONT
ENGINEERING



250
225
200
150

GSB

SELF-BALANCING

HIGH LIFT | HIGH VOLUME | MULTISTAGE SELF-BALANCING PUMP

The Scamont GSB pump is robust in design and suitable for application in the harshest environments.



Corporate Video

UNIQUE DESIGN FEATURES

- Central Bush reduces shaft whip and vibration
- Low-friction, heavy duty cylindrical roller and ball bearings
- Self-Balancing arrangement, no balance disc or drum
- Locked rotor ensures correct alignment of flow path for life of pump
- Reconfigure as a parallel pump with double volume at half the pressure

ADVANTAGES

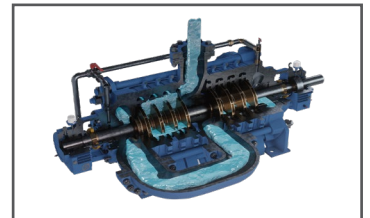
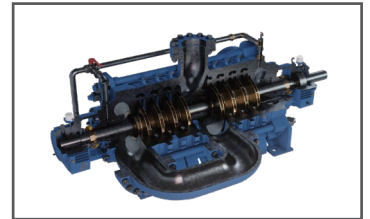
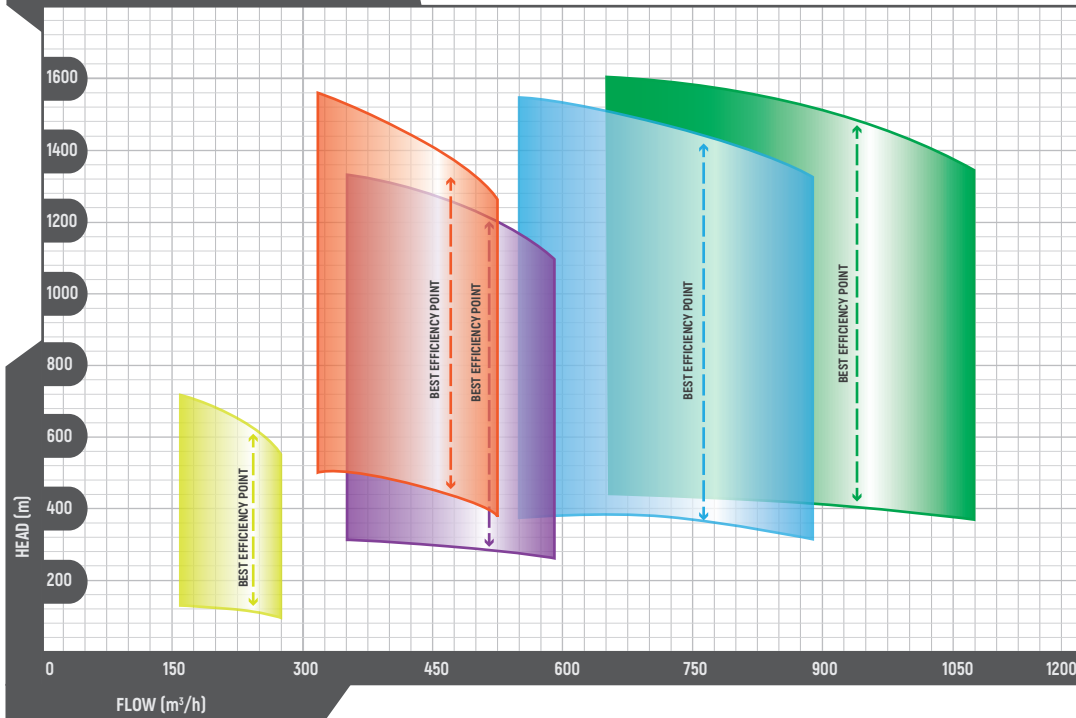
- Maintenance free
- Fully automated remote operation
- Reduced OPEX
- Longer service life
- Broad spectrum of application including mine dewatering, flushing systems, freshwater supply, pressure boosting systems, water treatment plants and industrial processes

OPTIONS

- Range of Materials and Coatings to suit various applications
- Full Condition Monitoring Instrumentation, vibration, bearing temperatures, flow and suction and discharge pressures
- Gland service
- Mechanical seals
- Left or right suction flange orientation

DYNAMIC | POWER | MOTION

GSB FAMILY OF PERFORMANCE CURVES



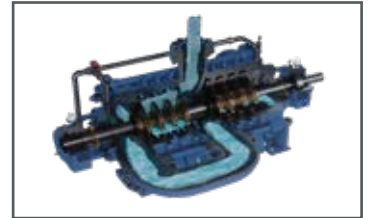
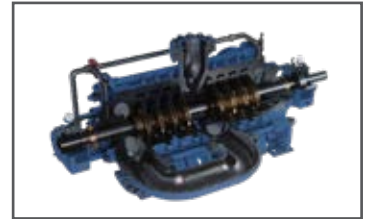
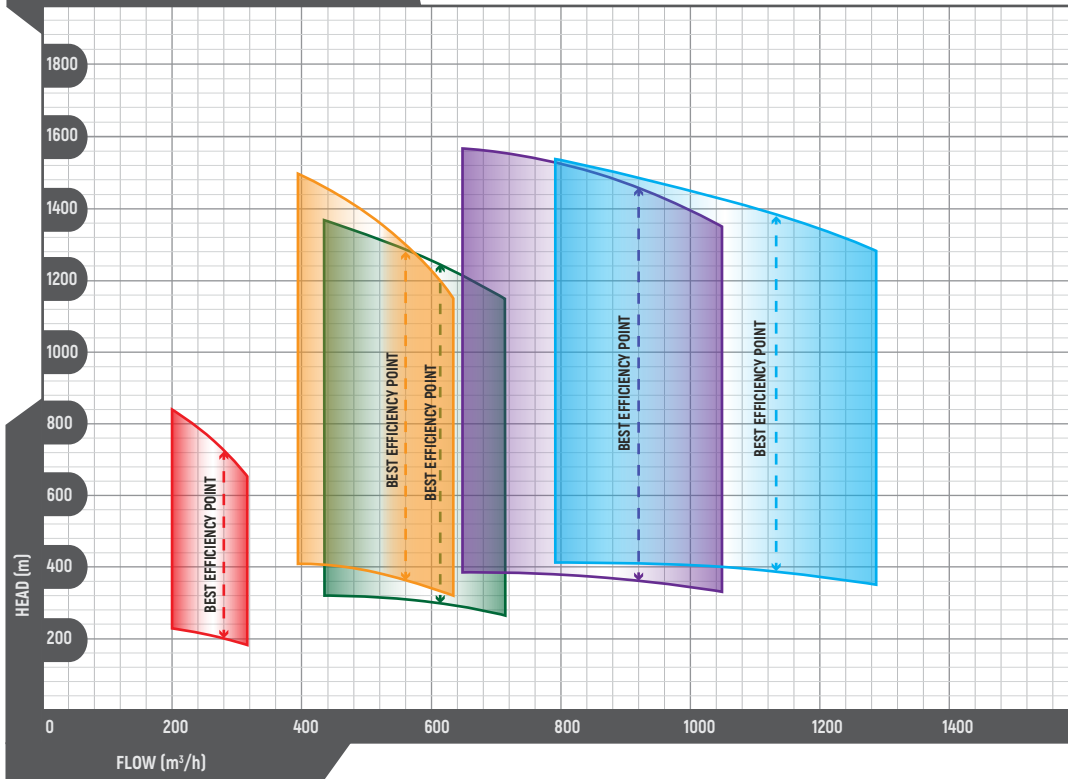
GSB SELF-BALANCING PUMP SPECIFICATIONS

PUMP MODEL	BRANCH SIZE				MAXIMUM PRESSURE		IMPELLER DIAMETER	
	SUCTION		DELIVERY		WORKING	TEST	MAX	MIN
GSB 150	DN200	EN1092-1 PN64	DN150	EN1092-1 PN160	16 000 kPa	20 800 kPa	350 mm	318 mm
GSB 150	DN200	EN1092-1 PN64	DN150	EN1092-1 PN160	16 000 kPa	20 800 kPa	350 mm	318 mm
GSB 200	DN250	EN1092-1 PN64	DN200	EN1092-1 PN160	16 000 kPa	20 800 kPa	510 mm	460 mm
GSB 225	DN300	EN1092-1 PN64	DN250	EN1092-1 PN160	16 000 kPa	20 800 kPa	530 mm	490 mm
GSB 250	DN300	EN1092-1 PN64	DN250	EN1092-1 PN160	16 000 kPa	20 800 kPa	600 mm	540 mm

PUMP MODEL	PUMP SPEED	NO. OF STAGES	HEAD MAX (AT BEP)	FLOW RATE MAX (AT BEP)	MAX EFF
GSB 150	1490 rpm CLOCKWISE	18 STAGES	763 (614) m	263 (231) m³/h	79%
GSB 150	2980 rpm CLOCKWISE	10 STAGES	1695,5 (1351) m	526 (468) m³/h	80%
GSB 200	1490 rpm CLOCKWISE	14 STAGES	1408 (1211) m	750 (514) m³/h	79%
GSB 225	1490 rpm CLOCKWISE	14 STAGES	1552 (1410) m	1000 (765) m³/h	82,5%
GSB 250	1490 rpm CLOCKWISE	12 STAGES	1632 (1460) m	1225 (937) m³/h	81%

* Non-Standard models that can handle larger flow rates are available on request.

GSB FAMILY OF PERFORMANCE CURVES



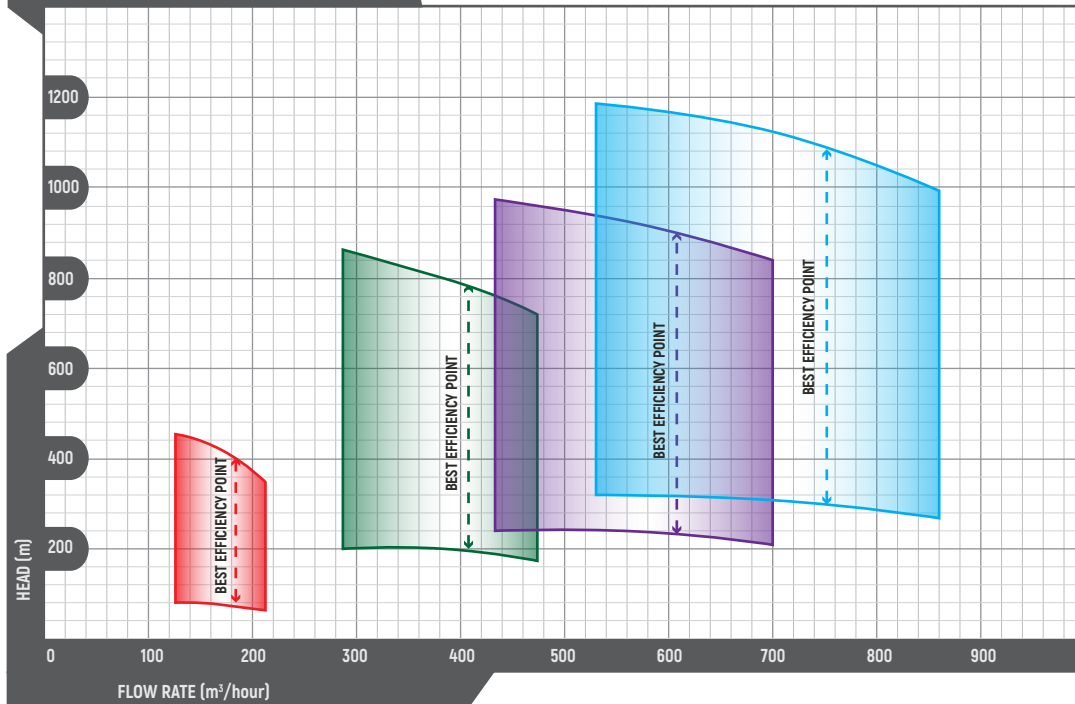
GSB SELF-BALANCING PUMP SPECIFICATIONS

PUMP MODEL	BRANCH SIZE						MAXIMUM PRESSURE
	SUCTION			DELIVERY			EN/ASTM
GSB 150	DN200	8"	EN1092-1 PN64 / ASTM B16.5 CLASS 300	DN150	6"	EN1092-1 PN160 / ASTM B16.5 CLASS 900	16000 / 14000 kPa
GSB 150	DN200	8"	EN1092-1 PN64 / ASTM B16.5 CLASS 300	DN150	6"	EN1092-1 PN160 / ASTM B16.5 CLASS 900	16000 / 14000 kPa
GSB 200	DN250	10"	EN1092-1 PN64 / ASTM B16.5 CLASS 300	DN200	8"	EN1092-1 PN160 / ASTM B16.5 CLASS 900	16000 / 14000 kPa
GSB 225	DN300	12"	EN1092-1 PN64 / ASTM B16.5 CLASS 300	DN250	10"	EN1092-1 PN160 / ASTM B16.5 CLASS 900	16000 / 14000 kPa
GSB 250	DN300	12"	EN1092-1 PN64 / ASTM B16.5 CLASS 300	DN250	10"	EN1092-1 PN160 / ASTM B16.5 CLASS 900	16000 / 14000 kPa

PUMP MODEL	PUMP SPEED	MAX NO. OF STAGES	HEAD MAX (AT BEP)	FLOW RATE MAX (AT BEP)	BEST EFFICIENCY POINT	IMPELLER DIAMETER	
						MIN	MAX
GSB 150	1788 rpm CLOCKWISE	18 STAGES	916 (733) m	323 (281) m³/h	79%	350mm	318mm
GSB 150	3576 rpm CLOCKWISE	8 STAGES	1628 (1302) m	646 (562) m³/h	80%	350mm	318mm
GSB 200	1788 rpm CLOCKWISE	10 STAGES	1448 (1245) m	709 (617) m³/h	81%	510mm	460mm
GSB 225	1788 rpm CLOCKWISE	10 STAGES	1596 (1450) m	1056 (918) m³/h	83%	530mm	490mm
GSB 250	1788 rpm CLOCKWISE	8 STAGES	1567 (1406) m	1293 (1124) m³/h	82%	600mm	540mm

*Non-Standard models that can handle larger flow-rates and pressures are available on request.

GSB FAMILY OF PERFORMANCE CURVES



GSB SELF-BALANCING PUMP SPECIFICATIONS

PUMP MODEL	BRANCH SIZE				MAXIMUM PRESSURE	
	SUCTION		DELIVERY		EN/ASTM	
GSB 150	DN200	8"	EN1092-1 PN64 / ASTM B16.5 CLASS 300	DN150	EN1092-1 PN160 / ASTM B16.5 CLASS 900	16000 / 14000 kPa
GSB 200	DN250	10"	EN1092-1 PN64 / ASTM B16.5 CLASS 300	DN200	EN1092-1 PN160 / ASTM B16.5 CLASS 900	16000 / 14000 kPa
GSB 225	DN300	12"	EN1092-1 PN64 / ASTM B16.5 CLASS 300	DN250	EN1092-1 PN160 / ASTM B16.5 CLASS 900	16000 / 14000 kPa
GSB 250	DN300	12"	EN1092-1 PN64 / ASTM B16.5 CLASS 300	DN250	EN1092-1 PN160 / ASTM B16.5 CLASS 900	16000 / 14000 kPa

PUMP MODEL	PUMP SPEED	MAX NO. OF STAGES	HEAD MAX (AT BEP)	FLOW RATE MAX (AT BEP)	BEST EFFICIENCY POINT	IMPELLER DIAMETER	
						MIN	MAX
GSB 150	1192 rpm CLOCKWISE	18 STAGES	488 (394) m	212 (184) m³/h	79%	350mm	318mm
GSB 200	1192 rpm CLOCKWISE	14 STAGES	901 (778) m	472 (411) m³/h	79%	510mm	460mm
GSB 225	1192 rpm CLOCKWISE	14 STAGES	993 (905) m	703 (611) m³/h	82,5%	530mm	490mm
GSB 250	1192 rpm CLOCKWISE	14 STAGES	1219 (1094) m	861 (748) m³/h	81%	600mm	540mm

*Non-Standard models that can handle larger flow-rates and pressures are available on request.



Scamont Engineering has been supplying our range of Positive Displacement and Multistage Centrifugal pumps to the mining industry for over 40 years. This has enabled us to not only develop our pumping technology for complex feed waters, but also the knowledge of the correct upstream / downstream processes to ensure the mine dewatering system is a success.

In the video QR link below, we compare two different dewatering methods, namely the Conventional Dewatering Method, or CDM, and the Scamont Dewatering Method, or SDM.

What the video will highlight is that the SDM is a solution that cannot be ignored for your mine dewatering requirements.

Scamont Engineering – How can we dewater your mine?

