



PROGRESSIVE CAVITY PUMPS

*Pumping With Passion
Since 1975*



**Syno presents the most efficient pumps in Construstion Applications,
Handeling anything from Sand to Baby Chips...**



**MATERIAL HANDELED:
CEMENT SLURRY
LIGHT WEIGHT CONCRETE
BENTONITE SLURRY
CLAY SLURRY**



2 Years Warranty



30% low maintenance cost



PULSATION FREE PUMPING ABLE TO PUMP ENTRAPPED AIR & SOLIDS UPTO 40 MM



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TROLLEY - MOUNTED MOBILE PUMPING UNITS

FEATURES & BENIFITS:

- ▶ Trolley - Mounted units for Mobility & Easy Handeling which is much needed at Construction Sites.
- ▶ Pumps can be Operated with - Diesel Engine, Hydraulics, Single Phase & Three Phase Electric Connections.
- ▶ Easy Clean Out Pumps with Tapered Body & Drain Plugs - designed for instant after operation Wash-Outs.
- ▶ Option of Trailer Mounting available.
- ▶ User Friendly Pumps - Requires No Special Tools or Technical Labour. Maintenance can be carried At-Site.

Syno special design backed-up with 30 years of Experience in Pumping fluid in development of range especially for Construction needs. These pumps are best suited due to their design & pumping characteristics.

Cellular Light Weight Concrete: Yet another success story of Syno. Working closely with OEMs & end-users Syno understands criticality of Pumping Light Weight Concrete without damaging the texture of Foam. Opted RPM selection & Special design in Pumps prevents jamming of Pumps & Special Drain-Outs help in easy cleaning. Complications & its Solutions by Syno made it the most preferable Pumps in the industry.

Bentonite Slurry -Syno's range pump forms an essential part of mobile system by pumping the thicker grout mixes more quickly and efficiently. Once the mobile system is in-situ and drilling of an exploratory hole is almost complete, a mixer combines the bentonite/cement grouts to form bentonite slurry. This is then transferred by Syno pump to the holding tank ready for injection into the hole within a matter of minutes. A lean mix of bentonite and cement is the standard site investigation mix and is designed to stop any cross contamination of aquifers.

The Widethroat WNA range pump is ideal for this type of application as the pump has been designed with an enlarged, rectangular inlet and screw conveyor to assist thick slurries into the pumping element for easy transfer. The rotary action of the positive displacement pump generates pressure at any speed and does not require centrifugal force or high rotational speeds to operate. As the pump does not rely on any centrifugal action for its operation, there are no large changes in fluid velocity. Agitation and turbulence are therefore minimal, and shear sensitive products can be pumped without damage.

The Widethroat pump design is a good choice for delivering a steady flow of viscous materials, which benefit from the slow running speeds and gentle handling made possible by the progressing cavity pump action.



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Range -

Capacity : 200 M3 /HR, Temperature : 120° C

Viscosity : 1 million cP Pressure : up to 480 meters

PRE-SELECTION CHART>>>>>

| | | | | | |
|-----|-------|--------|--------|--------|--------|
| 190 | 39549 | | | | |
| 150 | 28428 | | | | |
| 110 | 28428 | | | | |
| 90 | 19000 | 19000 | | | |
| 65 | 13806 | | | | |
| 60 | 12354 | 13806 | | | |
| 50 | 10171 | | | | |
| 45 | 9310 | 10171 | | | |
| 40 | 8550 | | | | |
| 35 | 7068 | 9728 | 9728 | | |
| 30 | 6017 | 6017 | 6017 | 6017 | |
| 25 | 4323 | | | | |
| 20 | 3739 | 4104 | 4104 | 4104 | |
| 15 | 2493 | 2375 | | | |
| 10 | 1596 | 1596 | 2755 | 2375 | 2755 |
| 7.5 | 1140 | 1140 | 1140 | 1140 | 1140 |
| 5 | 766 | 766 | 766 | 766 | 766 |
| 3 | 511 | 511 | 511 | 511 | 511 |
| 2.5 | 428 | | | | |
| 2 | 299 | 428 | 428 | 428 | 428 |
| 1 | 152 | 152 | 152 | 152 | 152 |
| .5 | 6 Bar | 12 Bar | 24 Bar | 36 Bar | 48 Bar |



Bentonite Slurry Application



Cellular Light Weight Concrete Application

Above Chart is for Consultation only. For Pre-Selection of Pump for a specific duty please consult Syno Pumps. Above data subjected to change without prior notice.



SYNO ADJUSTABLE STATORS FOR EXTRA DURABILITY

FEARTURES & BENEFITS: Syno Adjustable Stators are designed for **EXTRA LIFE** & Durability. These parts have advantages as they provide Twice the Life of an ordinary Stator. **EXTRA LIFE** Stators can be adjusted manually to attain performance parallel to a new one.

- Guaranteed Interchangeability
- Ready Availability – Same Day Dispatch
- Under-One House Purchasing



- Competitive Edge Pricing
- Superior Quality
- Zero Leakage Assured

TO WHOM IT MAY CONCERN



We have imported Syno pumps for a special application of pumping “**GROWBIN® FOAMED LIGHTWEIGHT CONCRETE**”.

We are confidently using these pumps for our lightweight concrete and market “Syno Pumps” in the region of Thailand and surrounding areas.

Syno pumps are less maintenance pumps and cost-effective spare parts also the spare parts are made available on Ready - Stock basis.

We are happy for the support provided by Syno Pumps for Special Designing & Development for meeting our requirements.

S A
Samarit Sangsuwan
Managing Director

Date Aug. 31, 2008

SUN ENGINEERING CO.,LTD.
230/05 Moo 12, Sukhaphiban 6, Bangphakyeai, Bangpoo, Samutprakaru, Thailand 10540
Tel: +66-2-782-1661 Fax: +66-2-782-1661 E-Mail: info@growbin.com WWW.GROWBIN.COM



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AFTER SALES & SUPPORT:

- Same day despatch of Spare Parts
- Unquestionable quality
- Dimensionally accurate
- Optimum performance for your equipment
- Syno's heritage and experience providing peace of mind

Our team of experienced application and sales engineers have a wealth of industry and product knowledge to assist you in correct product selection, problem solving and aftermarket support.

Syno products are recognised for their outstanding quality and reliability, providing years of trouble-free operation. Our service team can ensure your equipment continues to work efficiently by offering you planned maintenance contracts and repair and refurbishment of your old equipment.

Manufacturers:

SYNO ENGINEERS

K-11, SITE NO. 3, PANKI INDUSTRIAL AREA, KANPUR - 208022 (INDIA)

P: +91 512 2692245, F: +91 512 2691660, C: +91 983839 2839

e: malkeet@synopumps.com, w: www.synopumps.com

Authrised Sales: