



Torqueflow Sydex

Fluid Management

Torqueflow-Eliminator™ Macerator Pump

SYDEX
pump

Quality through Service



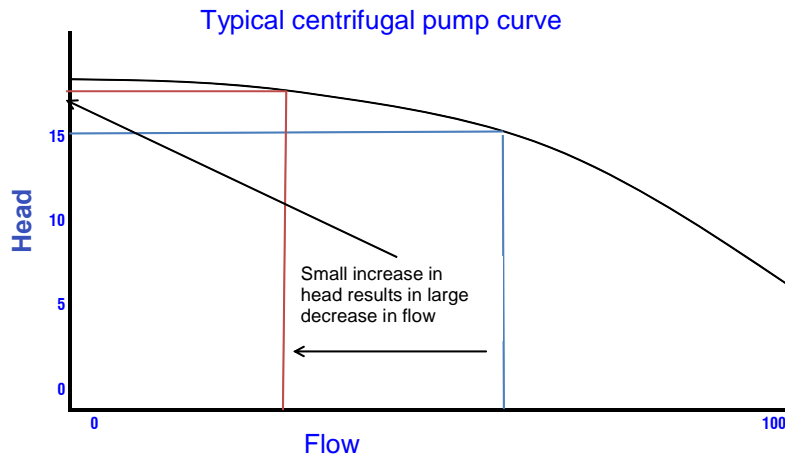
Torqueflow-Eliminator™

Since its introduction in 2007, the **Torqueflow-Eliminator**, macerator pump has enjoyed a dramatic rise in sales, increasing in both the range of applications and scope of operation in which it has been employed. Combining the myriad advantages of the progressing cavity pump with the shearing power of a Bi-Hammer macerator has created an industry leading product.

Maintaining effective flow through small bore pipes over longer distances or high lift is notoriously difficult when dealing with fluid with a high level of solids or suspended materials. By ensuring the input to the pump is reduced to small particles the risks of blockage, backflow premature wear and pump damage are all but eliminated. As flow is independent of pressure this provides an ideal solution to many difficult demanding applications with a single compact package.

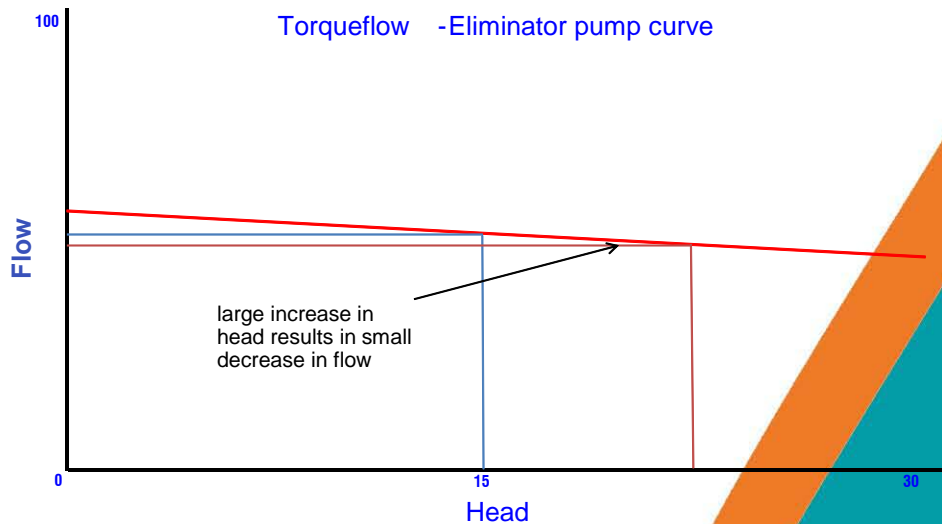


Torqueflow-Eliminator™



Centrifugal pump.

For relatively small increases in discharge head or pipe friction losses for your pumped raw sewage / waste discharge installation, the drop of flow from your centrifugal pump is significant!



Progressing Cavity pump.

Even large increases in head or pipe friction losses have little impact on flow rate.

Torqueflow-Eliminator™

Function:

Self-priming progressing cavity screw pump capable of suction lift applications. The integral macerator reduces particle size before entering the pumping element. Macerated waste is transferred to the final destination.

Benefits and Features:

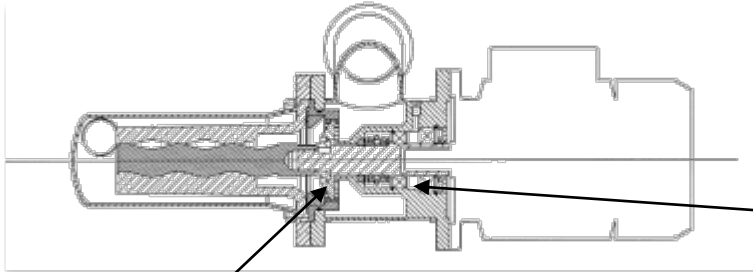
- Integral Macerator unit - hard stainless steel cutter macerates and shreds the solids into small particles.
- Elevated pressure capacity (6 bar)
- Simple design
- quick and easy maintenance;
- Double bearings giving significantly better reliability than other units
- The pump is easy to handle and clean.
- Low speed running - long service life.
- Seal system: Mechanical seal
- No liquids leaking.
- Cast iron or Stainless steel body, stainless steel rotating parts.
- Capacity: Up to 3.5 M3/H - 925 GPH – Pressure: Up to 6 bar

Torqueflow-Eliminator™ applications:

- Single and multiple residential complexes.
- Schools and public institutions
- Ships and shipyards
- Hotels, camping areas and caravan parks
- Sporting and country clubs centres
- Industrial buildings
- Nursing homes
- Farms
- Community Centres
- Shopping centres

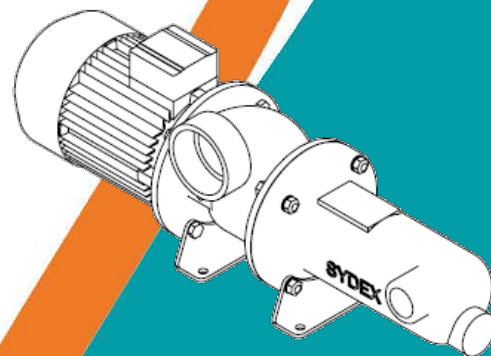
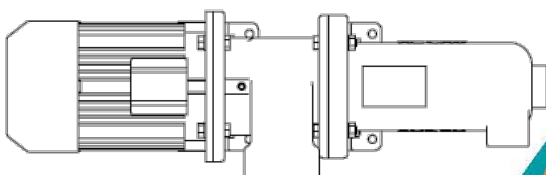
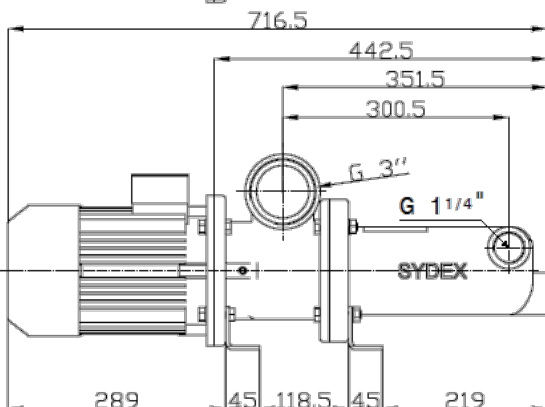
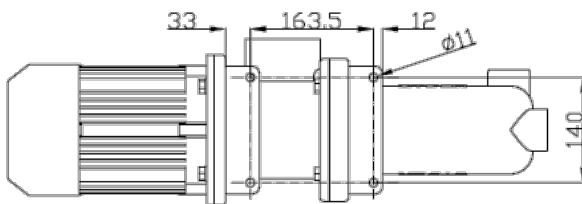
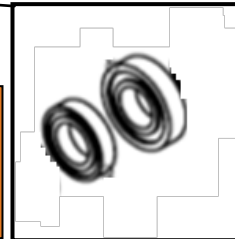


Torqueflow-Eliminator™



Hard Stainless steel cutter for efficient macerating & waste reduction

Two bearing Lantern, independent of the motor, provides maximum rigidity to accommodate higher vibration levels and faster speeds than our competitors.



Construction:

Pump: Progressive Cavity Pump consist of cast iron or stainless 316 body, stainless steel rotating parts, synthetic stator and single mechanical seal

Macerator: Hard Stainless steel cutter elements, fixed & rotating

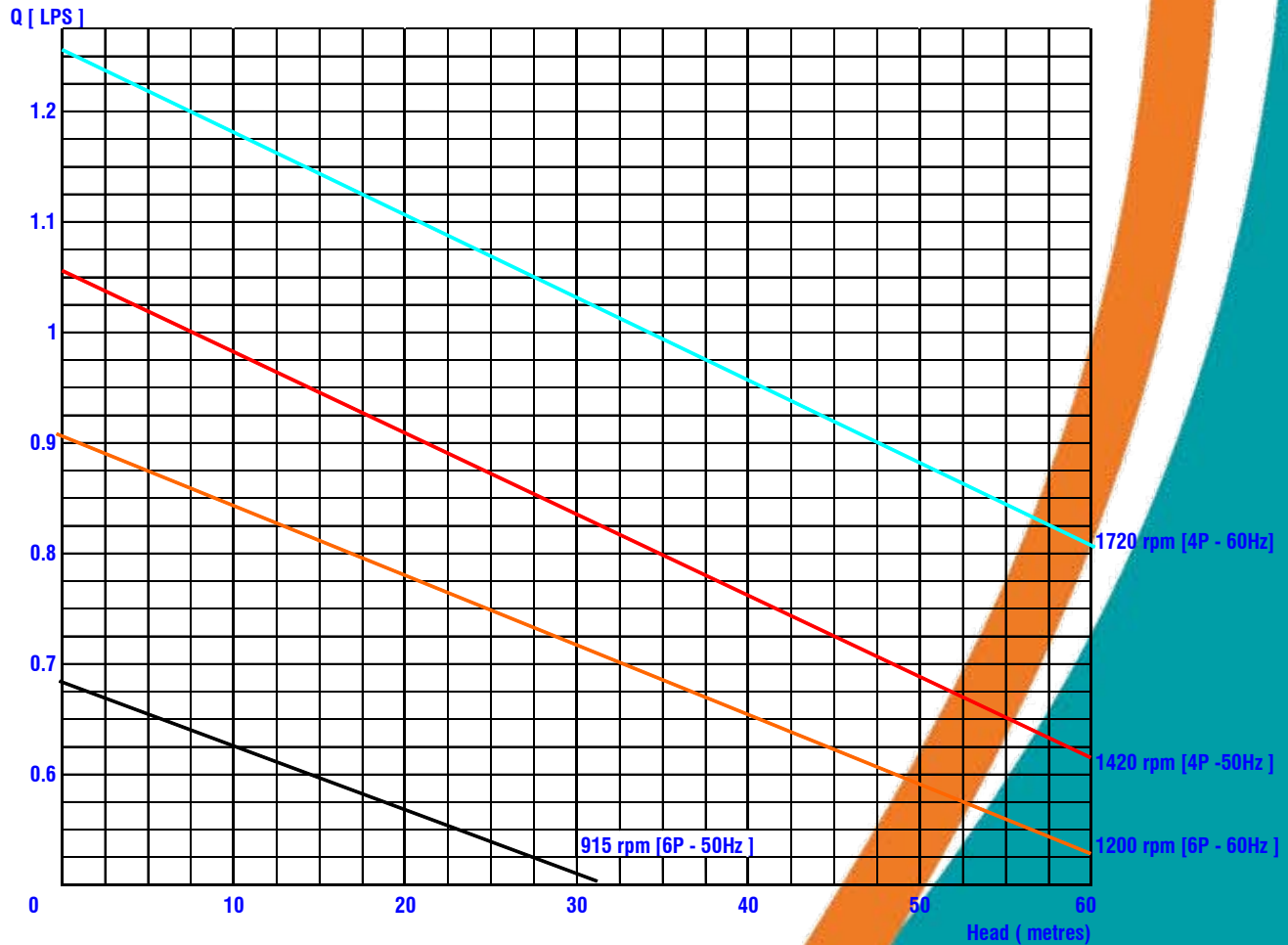
Electric Motor: Direct coupled 4 or 6 poles are available for all kinds power supply.

Torqueflow-Eliminator™

MODEL	C31
RANGE	GRINDER UNIT
STATOR	NITRILE



REVISION 00
DATE FEB-06



FLOW RATE AND HEAD							
Motor Size	Port Size	10m	20m	30m	40m	50m	60m
1,1 kW	IN 3" BSP Out 1" 1/4 BSP	0,97 lps	0,91 lps	0,84 lps	0,77 lps	0,68 lps	0,62 lps

Tolerance : +/- 10%
Suction Lift : 3,5 metres



**F Range
Free Moulded Pumps**

Range available
FM-S or FM-C
Flow rate up to 10.000 l/h
Pressure up to 4 bar



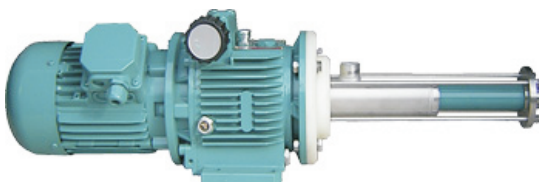
K Range

Flow rate up to 200 m³/h
Pressure up to 24 bar
Special on request
Up to 48 bar



**M Range
Metering Pumps**

Flow rate up to 50 l/h
Pressure up to 18 bar



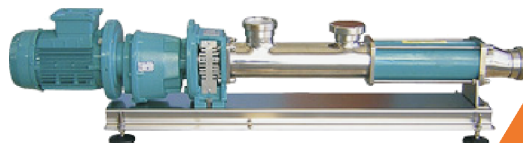
**W range
standard open throat**

Flow rate up to 100 m³/h
Pressure up to 24 bar



**H Range
Hygienic construction**

Sub-range: HL and HF
Flow rate up to 50m³/h
Pressure up to 24 bar



**E Range
Vertical pumps**

Variants: W - U - D - H
Flow rate up to 50m³/h
Pressure up to 12 bar



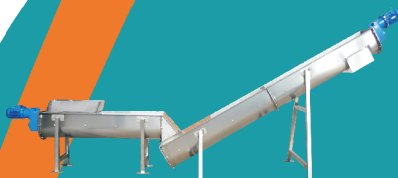
**G Range
Oversized Hopper pumps**

Flow rate up to 80m³/h
Pressure up to 24 bar



Shaftless Screw Conveyor

Developed and designed for efficient transportation of materials with minimal maintenance, and maximum reliability. Rotates inside a trough with a maximum inclination of 30°. The trough has bolted covers for simplified maintenance



Torqueflow Sydex

Fluid Management

Torqueflow-Sydex was established in the UK in 2006 working closely With its sister company Sydex. With over 20 years of experience in the Pump industry, our purpose is to offer unrivalled levels of service and expertise. Founded in 1999, Sydex has developed an extensive range of high quality and cost effective progressing cavity pumps, which are today used extensively all over the world. By being able to provide state-of-the-art market-driven products, flexibility in providing customer-focused solutions and unparalleled levels of service, we are experiencing rapid growth throughout the globe, this growth has led to the establishment of Torqueflow-Sydex.

Our products are available in Europe, America, Asia and Oceania. Please contact us for more detail.

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