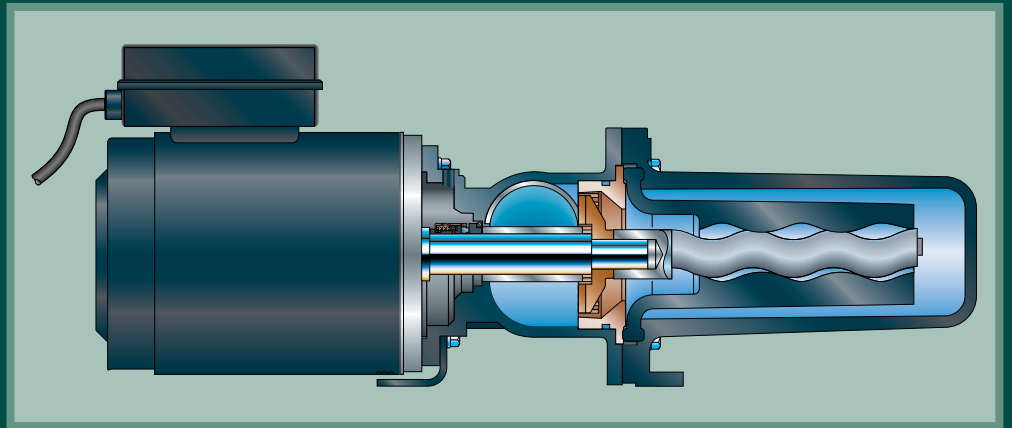


Mono[®]

National Oilwell Varco

G60 Grifter[®] Macerating Sewage Pump

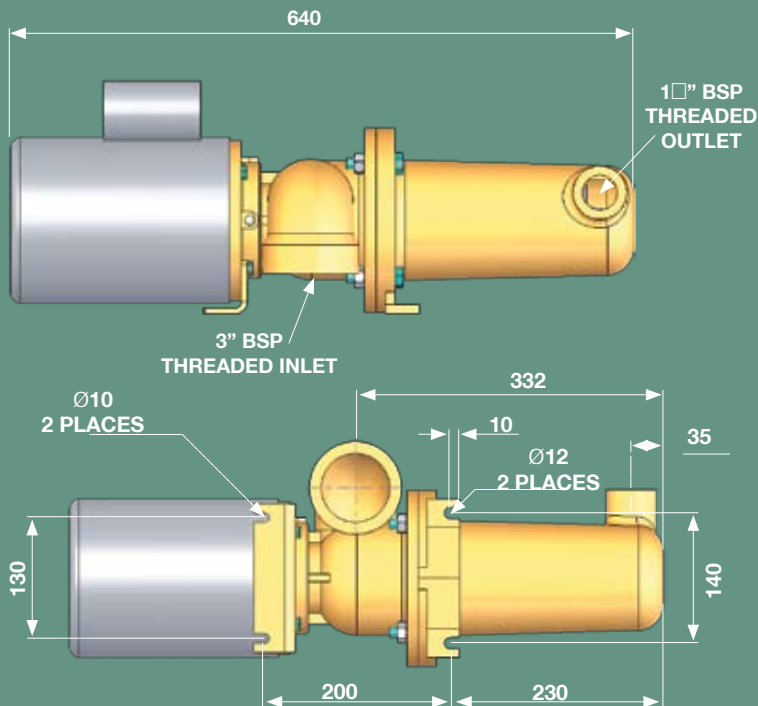


**Australian Designed
& Manufactured**

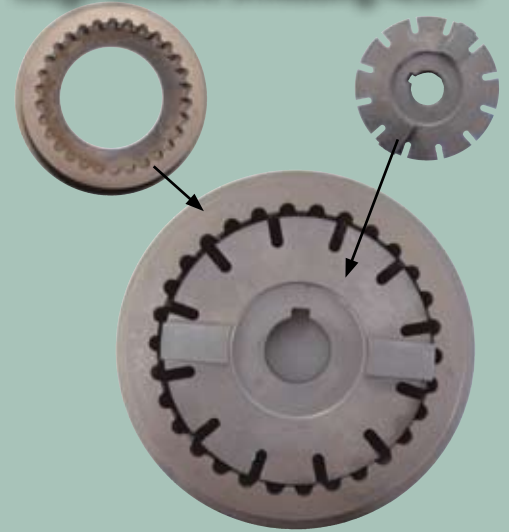
NOV Mono[®]

One Company, Unlimited Solutions

Mono[®] G60 Grifter[®] for Macerating



Tough Efficient Shredding Action



Hardened tool steel cutter with Bi-Hammers for smashing. Grooved chromium iron cutter ring for shredding solids.

Features	Benefits
Simplicity of Design	<ul style="list-style-type: none"> Ease of maintenance.
Compact Unit	<ul style="list-style-type: none"> Easy to handle.
Can be mounted above ground or in below ground dry enclosure	<ul style="list-style-type: none"> Reduce risk of sewage spill or contamination. Less health risks. Easy access for maintenance. Safer operation.
Integral Macerating Device	<ul style="list-style-type: none"> Efficient shredding & cutting of solids. Smaller particle size eliminates blockages. Smaller diameter discharge pipe. Reduced risk of septicity & odours.
Shroud/Flow Deflection	<ul style="list-style-type: none"> No dead spots for solids build up. More aggressive shearing action. Cleaner pump.
Large Inlet (Elutriating Pipe)	<ul style="list-style-type: none"> Eliminate heavy solids entering pump. Reduce blockage. Longer pump life.
Small bore discharge pipe rather than conventional gravity/rising main	<ul style="list-style-type: none"> Reduced installation costs.
Low Speed	<ul style="list-style-type: none"> Longer pump life. Reduce wear and maintenance cost. Lower power consumption.
Mechanical Seal - Oil Bath	<ul style="list-style-type: none"> Reduced risk of damage. Longer pump life.
High Efficiency	<ul style="list-style-type: none"> Lower running costs.

The Grifter shifts sewage to sewer mains from:

Single residential dwellings
Hotel - Motel complexes
Sporting complexes
Recreational facilities
Shopping centres

Residential sub-division developments
Public utility establishments
Schools
Industrial - Commercial complexes
Rural sites

Marinas
Construction - Mine accommodation sites
Ships and barges
Caravan Parks, camping areas.

erating & Pumping Sewage

Mono G60 Grifter - Efficient Pump and integral Macerator Unit

Build:

Pump - Mono progressive cavity featuring corrosion resistant body, stainless steel rotating parts with a mechanical seal.

Macerator - Hardened tool steel "Bi-Hammer" dished macerator cutter fully integrated.

Motor - Close coupled 4 pole 0.95 kW 240 volt for domestic power supply. (Optional 415 volt)

Function:

Self priming, elutriating action allows sewage to travel up the suction pipe and into the pump chamber while heavy objects fall to the bottom of the tank.

Bi-Hammer Macerator smashes and shears the sewage solids into a slurry of small particles.

Progressive cavity pump transports the sewage under pressure to it's destination.

Resultant Cost Savings:

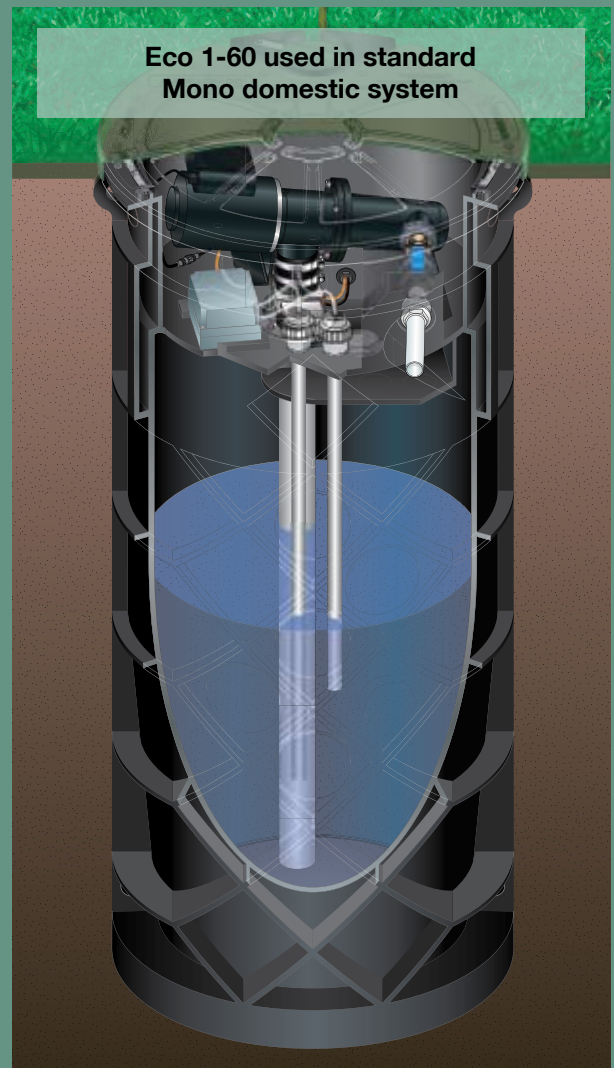
Small particles - small diameter discharge pipe minimum 32mm rather than minimum 80mm, if sewage unmacerated - saving on material and installation costs.

Pressurised Sewer - pipes laid as shallow pressure mains rather than deeper graded gravity mains - saving on installation and disruption.

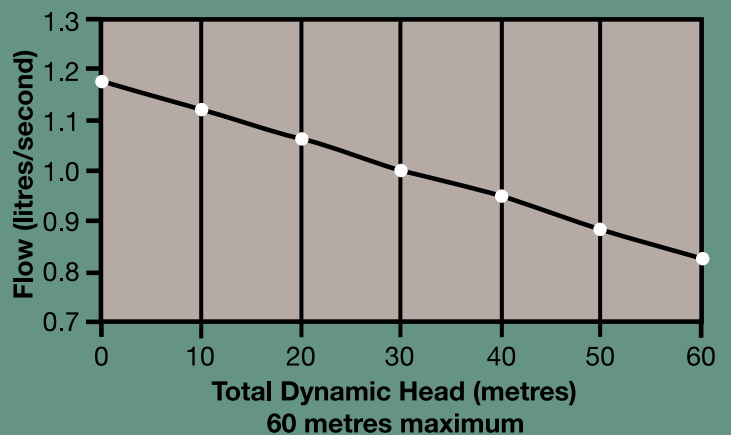
High pressure capability (60m) - access to elevated or distant points without the need for intermediate pumping stations.

Lower speed, higher efficiency, lower wear rates when compared to submersible units.

Easier and faster access and maintenance to on-ground or dry well unit.



Performance Curve



Total head from all causes - Maximum suction lift 4m

Motor Size	Port Size	10m	20m	30m	40m	50m	60m
0.93kW - 1.2HP	Outlet 1¼" BSP Female Inlet 3" BSP Female	1.13 lps	1.05 lps	1.01 lps	0.97 lps	0.90 lps	0.83 lps

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