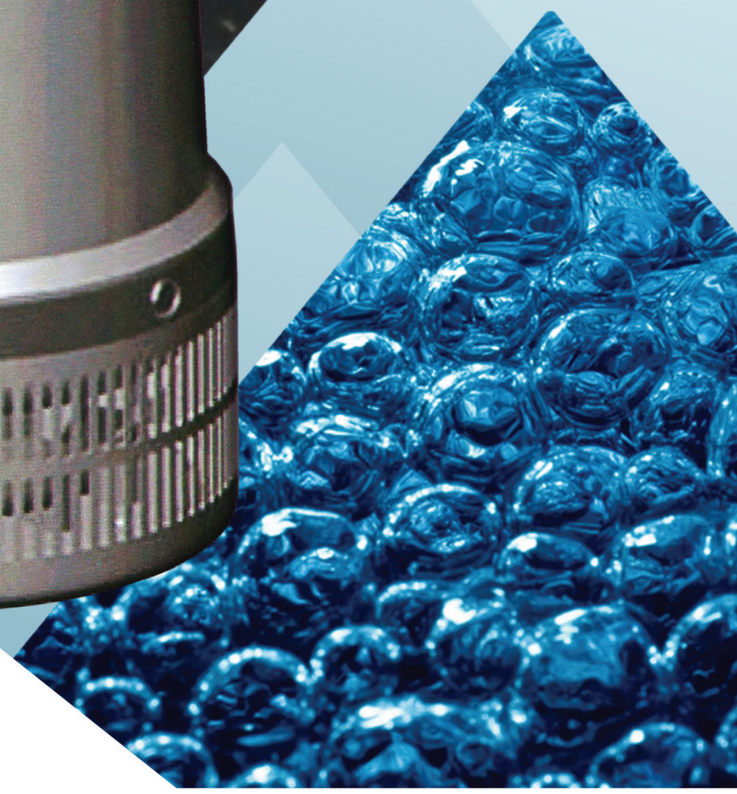
Product Catalogue



Kuplak Minerals Africa (Pty) Ltd

Stallion KDP8 Submersible Pump

Application:

The pump is designed for mining and quarrying dewatering applications containing abrasive particles. The wear parts can easily be adjusted to maintain optimal efficiency in high wear applications. The major material of construction is aluminium and the pump can therefore easily be moved from one site to another.

- Available as a high head (HH) and medium head (MH) version.
- Maximum water temperature pumped = 40°C
- Maximum density of liquid = 1100 kg/m
- Maximum depth in liquid pumped = 20m
- Suitable PH range = 5-8
- Particles equal to the size of the strainer openings - 50mm x 6mm.
- NOT designed for explosive or flammable environments.

Discharge Connection
HH = 75mm (3")
MH = 100mm (4")

Materials Of Construction:

Cast Parts: Aluminium, Grade LM 25
Shaft: Stainless Steel, EN 57
Impellers: Chrome Alloyed Cast Iron, Grade BS 4844
Strainer: Galvanised Mild Steel
Wear Parts: Rubber Lined (where appropriate)
Mechanical Seals Faces: Tungsten Carbide

Motor Details:

- Squirrel cage 3 phase 50 Hz AC Motor insulation class F
- Output 8kW at 2800Rpm.
- Available in 380V (16Amps) and 500V (12Amps).

Design Features:

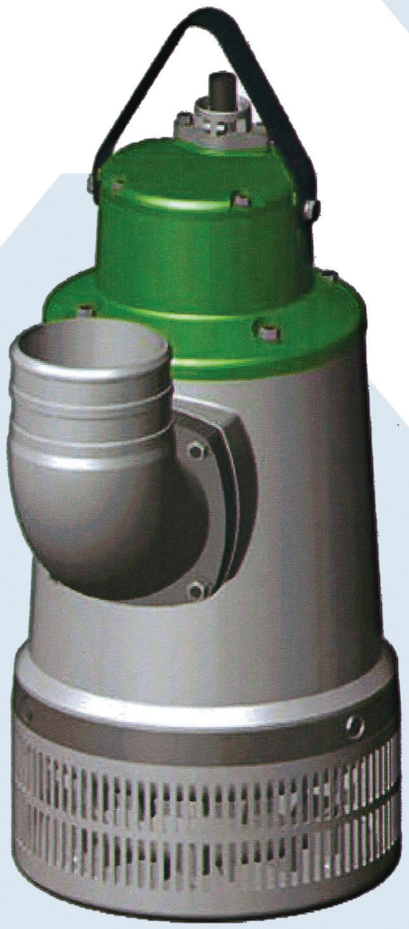
1.Cooling
The outer casing encloses the motor section of the pump providing a continuous flow of cold water when the pump is working, enabling the pump to maintain long term operation without overheating

2.Oil Casing
Oil lubricates the seals and acts as a buffer between the pumped media and the motor of the pump.

3.Bearings
The upper bearing consists of a single row ball bearing.
The lower bearing consists of a double row angular contact ball bearing.
The expected life of the bearings is at least 15000 hours of operation.

4.Mechanical Shaft Seals
The pump has two mechanical seals which operate independently of each other.

5.Wear Parts
The diffusers are easily adjusted in the field making it possible to maintain optimum pumping efficiency at minimal cost. Wear parts can easily be replaced once in situ adjustment is no longer possible.



Stallion KDP20 Submersible Pump

Application:

The pump is designed for mining and quarrying dewatering applications containing abrasive particles. The wear parts can easily be adjusted to maintain optimal efficiency in high wear applications. The major material of construction is aluminium and the pump can therefore easily be moved from one site to another.

- Available as a high head (HH), medium head (MH) & low head (LH) version.
- Maximum water temperature pumped = 40°C
- Maximum density of liquid = 1100 kg/m
- Maximum depth in liquid pumped = 20m
- Suitable PH range = 5-8
- Particles equal to the size of the strainer openings - 50mm x 10mm.
- NOT designed for explosive or flammable environments.

Discharge Connection
HH = 100mm (4")
MH = 150mm (6")
LH = 150mm (6")

Materials Of Construction:

Cast Parts: Aluminium, Grade LM 25
Shaft: Stainless Steel, EN 57
Impellers: Chrome Alloyed Cast Iron, Grade BS 4844
Strainer: Galvanised Mild Steel

Wear Parts: Rubber Lined (where appropriate)
Mechanical Seals Faces: Tungsten Carbide

Motor Details:

- Squirrel cage 3 phase 50 Hz AC Motor insulation class F
- Output 20kW at 2900Rpm.
- Available in 380V (36Amps) and 500V (32Amps).

Design Features:

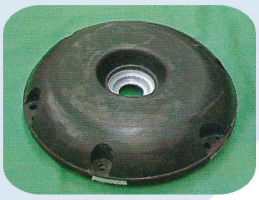
1.Cooling
The outer casing encloses the motor section of the pump providing a continuous flow of cold water when the pump is working, enabling the pump to maintain long term operation without overheating

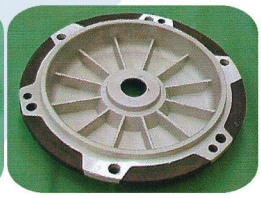
2.Oil Casing
Oil lubricates the seals and acts as a buffer between the pumped media and the motor of the pump.

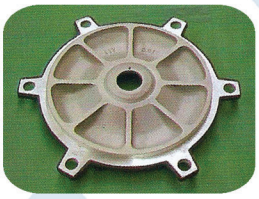
3.Bearings
The upper bearing consists of a single row ball bearing.
The lower bearing consists of a double row angular contact ball bearing.
The expected life of the bearings is at least 15000 hours of operation.

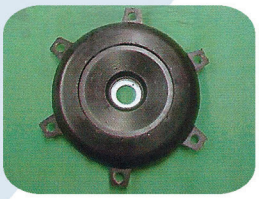
4.Mechanical Shaft Seals
The pump has two mechanical seals which operate independently of each other.

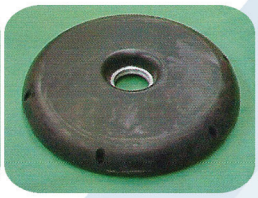
5.Wear Parts
The diffusers are easily adjusted in the field making it possible to maintain optimum pumping efficiency at minimal cost. Wear parts can easily be replaced once in situ adjustment is no longer possible.

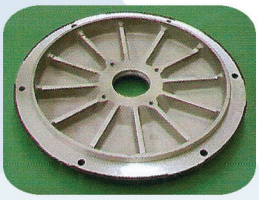

17005 Oil Housing 20kW

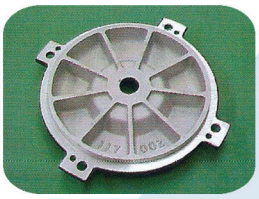

17005 Oil Housing 20kW

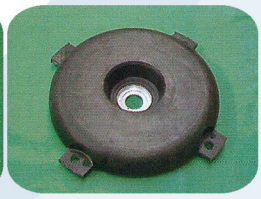

17001 Oil Housing 8kW


17001 Oil Housing 8kW

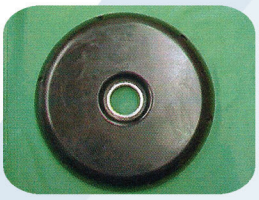

17006 Oil Housing 37kW

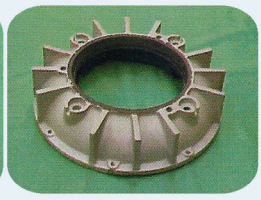

17006 Oil Housing 37kW

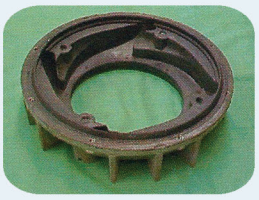

17002 Oil Housing 5.2kW

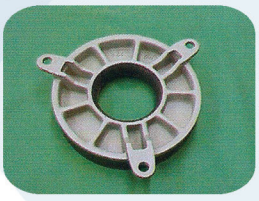

17002 Oil Housing 5.2kW

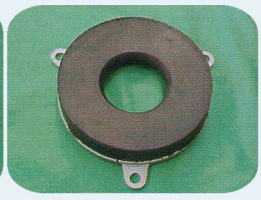

17004 Oil Housing 20kW


17006 Oil Housing 37kW


19001 Diffuser Ring
3.7kW / 5.5kW HH


19001 Diffuser Ring
3.7kW / 5.5kW HH


121002 Lower Diffuser
3.7kW / 5.2kW HH


121002 Lower Diffuser
3.7kW / 5.2kW HH

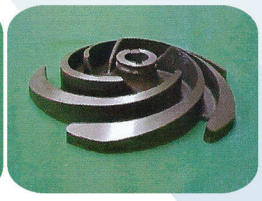

422001 Upper Impeller 8kW


422002 Lower Impeller 8kW

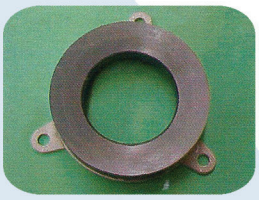

121003 Lower Diffuser
5.2kW MH


121003 Lower Diffuser
5.2kW MH

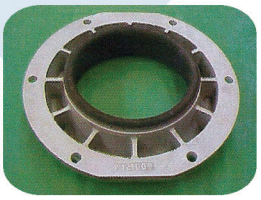

422010 Impeller 20kW HH


422160 Impeller 37kW HH

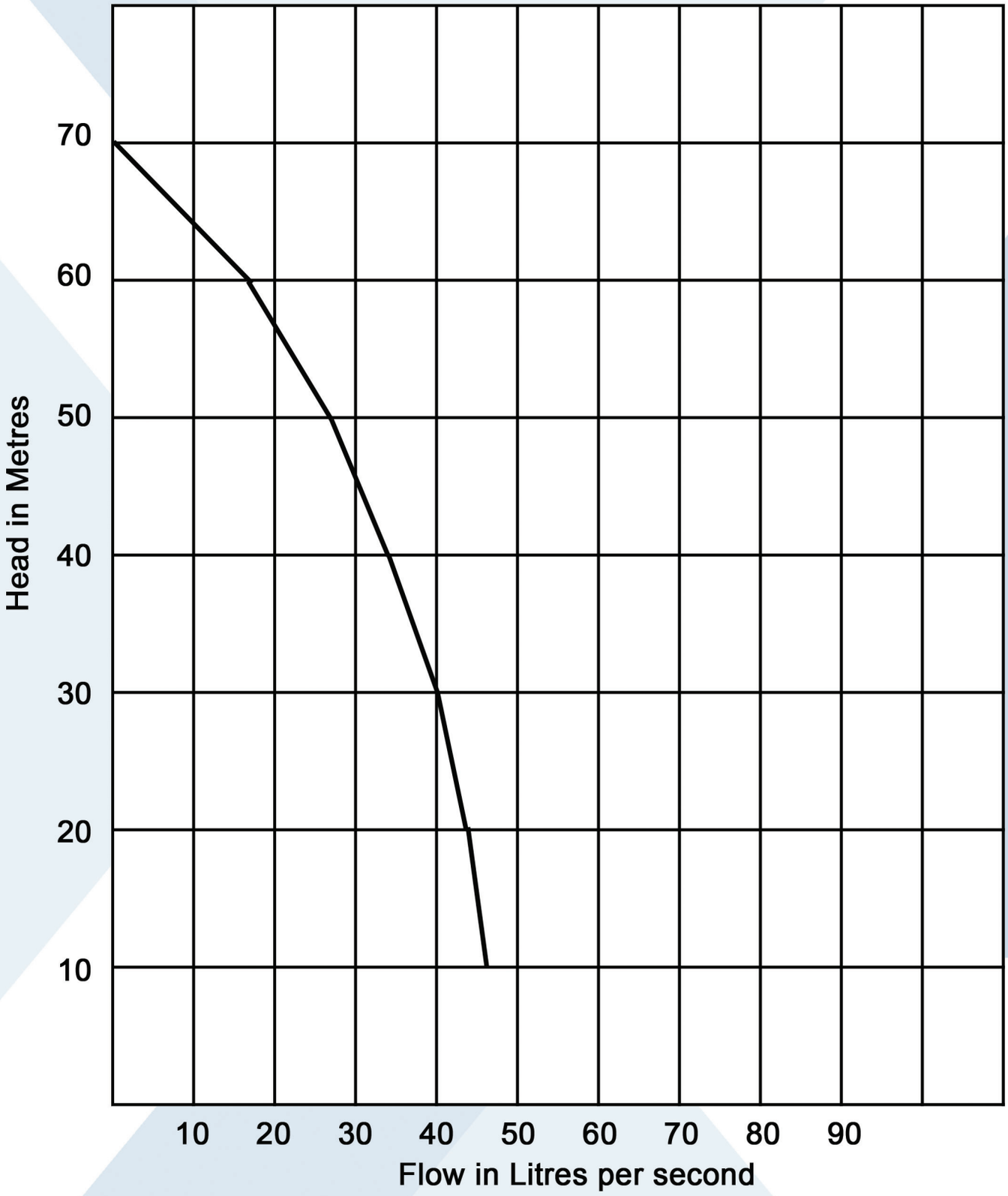

121004 Lower Diffuser
3.7kW MH


121004 Lower Diffuser
3.7kW MH

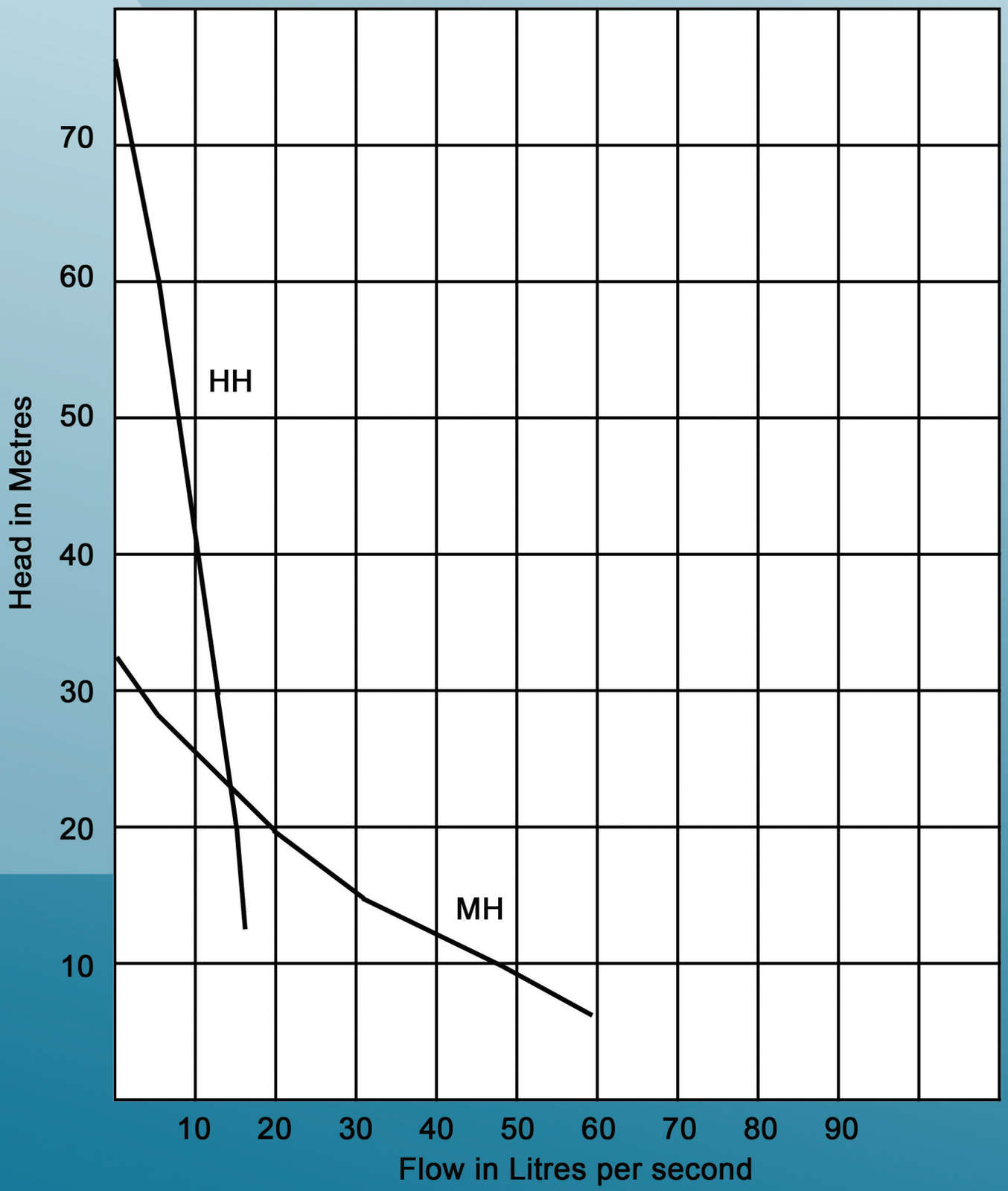

121009 Lower Diffuser
54kW MH


121009 Lower Diffuser
54kW MH

HH = High Head


Head in Metres
70
60
50
40
30
20
10
10
20
30
40
50
60
70
80
90
Flow in Litres per second

HH = High Head
MH = Medium Head



STALLION

HEAVY DUTY SUBMERSIBLE PUMP

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