

2026

# PRODUCT CATALOGUE

Effluent Pumps  
Effluent Stirrers  
Effluent Separators  
Effluent System Management  
Irrigators  
Yard Wash Down  
System Accessories  
Weeping Walls

Industrial Pumps  
Industrial Stirrers  
Industrial Separators  
Stainless Food Grade Products



# WELCOME TO

# DAIRY PUMPING SYSTEMS

Formed in 1998, Dairy Pumping Systems (DPS) has a strong reputation for supplying high quality equipment suitable to meet the demands of the rugged environments that dairy farming and other agricultural sectors experience.

Based in Leongatha, our specialised team provide the service and knowledge needed to match the pumping system products supply to the customer needs.

In 2021, the ownership was changed to four of the managers from Reid & Harrison, Yardmaster in

New Zealand, bringing with them decades of industry and product knowledge.

DPS is looking to be part of the leading experts in the dairy effluent space in Australia as the focus shifts more to environmentally sustainable practises to preserve the great country for future generations. Leveraging off its supply partners and the New Zealand experience to achieve this.

## AN EFFLUENT SYSTEM PURPOSE DESIGNED FOR YOUR NEEDS

**Do you want to look after the environment and future proof your investment?**

Our Australian team of qualified designers work with our supply partner – Reid & Harrison, to help you in your effluent system design needs. Reid & Harrison have been involved with environmental award-winning systems in New Zealand and are accredited as effluent system designers.



# SYSTEMS



## A DEALER NETWORK THAT HAS YOU COVERED

How do you make sure you have ongoing support for your effluent system?

Best way is to buy from a nationwide network that is local enough, and has the ability to service your systems needs. This nationwide network is supported through DPS to our supply partners.

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# Yardmaster® PUMPS

## EFFLUENT PUMPS

2

Effluent Pumps

### FOR 'PROCESSED' IRRIGATION



#### Multi-stage Vertical

##### IDEAL FOR

- Floating Frames
- High efficiency /pressure
- Green water / Small solids



#### Multi-stage Horizontal

##### IDEAL FOR

- Flood feed applications
- High efficiency /pressure
- Green water / Small solids



#### Self-Priming Multi-stage

##### IDEAL FOR

- Shore Mounting
- High efficiency /pressure
- Green water / Small solids

### FOR IRRIGATION



#### Horizontal Pump

##### IDEAL FOR

- Flood feed applications
- High speed irrigation pump
- Green water with solids



#### Vertical Pump

##### IDEAL FOR

- Floating Frames
- High speed irrigation pump
- Green water with solids



#### Extender Pump

##### IDEAL FOR

- Deep Sumps
- High speed irrigation pump
- Green water with solids

### Multi-Stage Pump Performance Overview

| CODE             | RHMS2PS110 | RHMS2PS150 | RHMS3PS150 | RHMS3PS185 | RHMS4PS185 | RHMS4PS220 |
|------------------|------------|------------|------------|------------|------------|------------|
| MOTOR SIZE (kW)  | 11         | 15         | 15         | 18.5       | 18.5       | 22         |
| RPM              | 2950       | 2950       | 2950       | 2950       | 2950       | 2950       |
| IMPELLER Ø (mm)  | 200, 162   | 218, 162   | 200, 162x2 | 218, 162x2 | 200, 162x3 | 218, 162x3 |
| FLOW RANGE (L/S) | 0-10.5     | 0-14.0     | 0-14.9     | 0-17.4     | 0-17.0     | 0-18.0     |
| HEAD (m)         | 74         | 81         | 103        | 111        | 134        | 139        |

### Self-Priming Multi-Stage Pump Performance Overview

| CODE             | RHMP2PS110 | RHMP2PS150 | RHMP3PS150    | RHMP3PS185 | RHMP4PS185         | RHMP4PS220         |
|------------------|------------|------------|---------------|------------|--------------------|--------------------|
| MOTOR SIZE (kW)  | 11         | 15         | 15            | 18.5       | 18.5               | 22                 |
| RPM              | 2950       | 2950       | 2950          | 2950       | 2950               | 2950               |
| IMPELLER Ø (mm)  | 215, 143   | 218, 162   | 218, 143, 143 | 218, 162x2 | 218, 143, 143, 162 | 218, 162, 162, 143 |
| FLOW RANGE (L/S) | 0-16.7     | 0-16.7     | 0-16.6        | 0-17       | 0-15.7             | 0-16.6             |
| HEAD (m)         | 76         | 84         | 103           | 111        | 123                | 139                |

### Irrigation Pump Performance Overview

| CODE             | RH5S | RH5B | RH6A | RH7  | RH8  | RH9  | RH10 |
|------------------|------|------|------|------|------|------|------|
| MOTOR SIZE (kW)  | 4    | 5.5  | 7.5  | 11   | 15   | 18.5 | 22   |
| RPM              | 2900 | 2935 | 2935 | 2950 | 2950 | 2950 | 2950 |
| IMPELLER Ø (mm)  | 127  | 145  | 156  | 178  | 200  | 210  | 215  |
| FLOW RANGE (L/S) | 0-8  | 0-8  | 0-13 | 0-7  | 0-7  | 0-7  | 0-9  |
| HEAD (m)         | 19   | 28   | 32   | 46   | 61   | 69   | 75   |

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## FOR VOLUME TRANSFER



### High Volume Pump

#### IDEAL FOR

- Volume transfer
- Green water with solids



### Heavy Duty Pump

#### IDEAL FOR

- Volume transfer
- Liquid with solids
- Industrial applications



### PTO Pump

#### IDEAL FOR

- Volume transfer
- Green water with solids



### Trough Pump

#### IDEAL FOR

- Emptying of troughs
- Water with solids

## FOR TRANSFER



### Horizontal Pump

#### IDEAL FOR

- Flood feed applications
- Transfer pump
- Green water with solids



### Vertical Pump

#### IDEAL FOR

- Floating Frames
- Transfer pump
- Green water with solids



### Extender Pump

#### IDEAL FOR

- Deep Sumps
- Transfer pump
- Green water with solids

## High Volume Pump Performance

| CODE             | RH4HV3  | RH4HV3-055 | RH6HV4 | RH6HV4-110 | RH6HV4-150 |
|------------------|---------|------------|--------|------------|------------|
| MOTOR SIZE (kW)  | 4       | 5.5        | 7.5    | 11         | 15         |
| RPM              | 1400    | 1400       | 1400   | 1400       | 1400       |
| FLOW RANGE (L/S) | 0-10    | 0-19.5     | 0-10   | 0-42       | 0-55       |
| HEAD (m)         | 16-12.5 | 16-3.5     | 21-18  | 21-9       | 21-4       |

## Transfer Pump Performance Overview

| CODE             | RH1   | RH2   | RH3  | RH4  | RH6  |
|------------------|-------|-------|------|------|------|
| MOTOR SIZE (kW)  | 0.75  | 1.5   | 2.2  | 4    | 7.5  |
| RPM              | 1400  | 1400  | 1400 | 1400 | 1400 |
| IMPELLER Ø (mm)  | 150   | 178   | 200  | 215  | 220  |
| FLOW RANGE (L/S) | 0-2.8 | 0-6.5 | 0-7  | 0-14 | 0-15 |
| HEAD (m)         | 5     | 11    | 15.5 | 18.2 | 19.4 |

## Trough Pump Performance

| CODE              | RHHYD |
|-------------------|-------|
| TRACTOR RPM (max) | 1000  |
| PRESSURE (psi)    | 40    |
| IMPELLER Ø (mm)   | 123   |
| FLOW (L/S)        | 10    |

## PTO Pump Performance

| CODE             | RHPTO.V | RHPTO.H |
|------------------|---------|---------|
| PTO RPM          | 540     | 540     |
| IMPELLER Ø (mm)  | 200     | 200     |
| FLOW RANGE (L/S) | 0-19    | 0-19    |
| HEAD (m)         | 64      | 64      |

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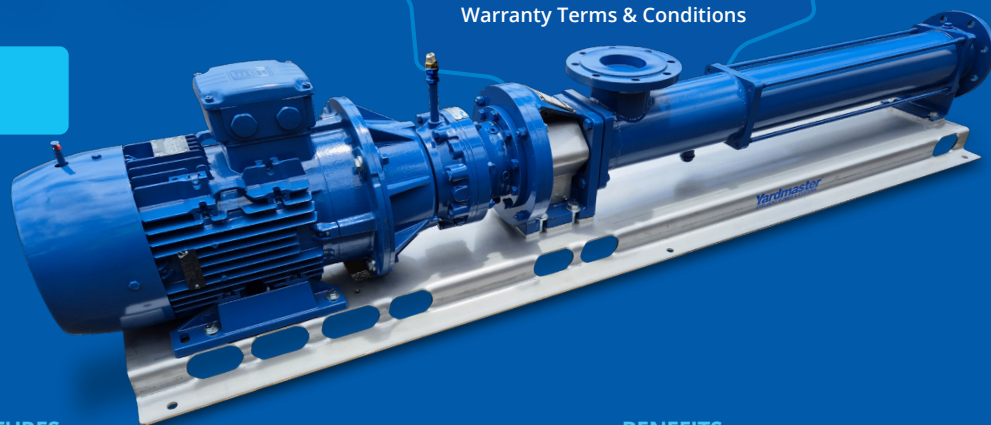
# Yardmaster® PUMPS

This product comes with a..  
**2 Year Extended  
Manufacturer's  
Warranty\***

\* Refer to Yardmaster® Standard  
Warranty Terms & Conditions

## EFFLUENT PUMPS

### FOR 'PROCESSED' IRRIGATION



#### Progressive Cavity Pump

##### IDEAL FOR

- Constant flow
- High Efficiency
- Green water / small solids

##### FEATURES

- Pressure: Up to 240m Head
- Volume: Up to 55m³/hr
- Temperature Range: -10 to 100 degrees C
- Suction Lift: Up to 8.5m
- 4kW - 30kW Power options
- Six rotor speed options for each model
- Construction: Cast iron, Chrome plated rotor and Natural rubber stator

##### BENEFITS

- Shore Mounted Solution - Maintenance made safe
- Constant Flow - Easy to apply to any system
- Power Efficient - Lower running costs

#### Progressive Cavity Pump Performance Overview

| CODE                        | PC12-040-203 | PC12-055-245 | PC12-055-284 | PC12-075-356 | PC12-075-420 |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|
| MOTOR SIZE (kW)             | 4            | 5.5          | 5.5          | 7.5          | 7.5          |
| ROTOR RPM                   | 203          | 245          | 284          | 356          | 420          |
| MAX HARD PARTICLE SIZE (mm) | 12           | 12           | 12           | 12           | 12           |
| MAX SOFT CLUMP SIZE (mm)    | 36           | 36           | 36           | 36           | 36           |
| FLOW RANGE (L/S)            | 1.5-2.8      | 2.1-3.3      | 2.8-4.2      | 3.6-5.0      | 5.2-5.8      |
| MAX HEAD (m)                | 120          | 120          | 120          | 120          | 100          |

| CODE                        | PC22-055-203 | PC22-075-245 | PC22-110-284 | PC22-110-356 | PC22-110-420 |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|
| MOTOR SIZE (kW)             | 5.5          | 7.5          | 11           | 11           | 11           |
| ROTOR RPM                   | 203          | 245          | 284          | 356          | 420          |
| MAX HARD PARTICLE SIZE (mm) | 14           | 14           | 14           | 14           | 14           |
| MAX SOFT CLUMP SIZE (mm)    | 44           | 44           | 44           | 44           | 44           |
| FLOW RANGE (L/S)            | 3.3-4.7      | 3.5-5.6      | 5.1-6.7      | 6.7-8.1      | 8.5-9.7      |
| MAX HEAD (m)                | 100          | 120          | 120          | 120          | 100          |

| CODE                        | PC32-110-245 | PC32-110-284 | PC32-150-356 | PC32-150-420 |
|-----------------------------|--------------|--------------|--------------|--------------|
| MOTOR SIZE (kW)             | 11           | 11           | 15           | 15           |
| ROTOR RPM                   | 245          | 284          | 356          | 420          |
| MAX HARD PARTICLE SIZE (mm) | 13           | 13           | 13           | 13           |
| MAX SOFT CLUMP SIZE (mm)    | 44           | 44           | 44           | 44           |
| FLOW RANGE (L/S)            | 5.9-7.8      | 7.5-9.2      | 9.0-11.5     | 12.5-13.3    |
| MAX HEAD (m)                | 120          | 110          | 120          | 100          |

Imported.  
Assembled  
& Tested in NZ

| CODE                        | PC34-150-203 | PC34-185-245 | PC34-220-284 | PC34-220-356 | PC34-220-420 |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|
| MOTOR SIZE (kW)             | 15           | 18.5         | 22           | 22           | 22           |
| ROTOR RPM                   | 203          | 245          | 284          | 356          | 420          |
| MAX HARD PARTICLE SIZE (mm) | 13           | 13           | 13           | 13           | 13           |
| MAX SOFT CLUMP SIZE (mm)    | 44           | 44           | 44           | 44           | 44           |
| FLOW RANGE (L/S)            | 4.5-6.6      | 5.8-7.5      | 8.3-9.2      | 9.7-11.4     | 12.3-13.6    |
| MAX HEAD (m)                | 200          | 200          | 240          | 180          | 150          |

# Yardmaster® PUMPS

## SUBMERSIBLE PUMPS

### FOR TRANSFER

#### Yardmaster Submersible Pump

##### IDEAL FOR

- Feeding mechanical separators
- Transfer pump
- Green water with solids



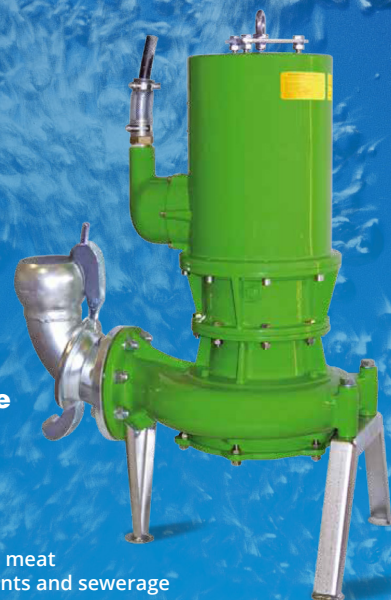
Imported. Trialled & Tested in NZ.

#### Bauer Magnum CSPH Submersible Pump

Heavy duty cutter pump.

##### IDEAL FOR

- Dairy effluent, meat processing plants and sewerage



### Yardmaster Submersible Pump V Series Performance Overview

| CODE              | RHV080152344 | RHV080152345 | RHV100152348 | RHV100152349 | RHV100152350 |
|-------------------|--------------|--------------|--------------|--------------|--------------|
| MOTOR SIZE 4(kW)  | 2.2          | 3            | 1.7          | 2.2          | 3            |
| RPM               | 1450         | 1450         | 1450         | 1450         | 1450         |
| FREE PASSAGE (mm) | 80           | 80           | 100          | 100          | 100          |
| IMPELLER TYPE     | Vortex       | Vortex       | Vortex       | Vortex       | Vortex       |
| IMPELLER Ø (mm)   | 190          | 207          | 155          | 190          | 207          |
| FLOW RANGE (L/S)  | 0-28         | 0-32         | 0-20         | 0-24         | 0-32         |
| HEAD (m)          | 10.3-2.0     | 12.6-2.0     | 5.6-2.3      | 8-2.5        | 10.3-2.0     |

### Yardmaster Submersible Pump Alpha Series Performance Overview

| CODE              | RHAlphaC1M/G | RHAlphaEVO2M/G | RHAlphaEVO32M/GRHAlphaEVO55M/T | RHAlphaPRO55T | RHAlphaEVO60T |
|-------------------|--------------|----------------|--------------------------------|---------------|---------------|
| MOTOR SIZE (kW)   | 0.28         | 0.56           | 0.75                           | 1.5           | 2.2           |
| RPM               | 2850         | 2850           | 2850                           | 2850          | 2850          |
| FREE PASSAGE (mm) | 30           | 35             | 40                             | 45            | 50            |
| IMPELLER TYPE     | Vortex       | Vortex         | Vortex                         | Vortex        | Vortex        |
| IMPELLER Ø (mm)   | 90           | 96             | 104                            | 120           | 125           |
| FLOW RANGE (L/S)  | 0-2.5        | 0-4            | 0-8                            | 0-9           | 0-11          |
| HEAD (m)          | 7-1          | 9-2            | 10-2                           | 14-2.5        | 16.5-3        |

### Bauer Submersible Pump Magnum CSPH Performance Overview

| CODE             | CSPH-4   | CSPH-5.5 | CSPH-7.5* | CSPH-7.5 |
|------------------|----------|----------|-----------|----------|
| MOTOR SIZE (kW)  | 4        | 5.5      | 7.5       | 7.5      |
| RPM              | 1450     | 1450     | 1445      | 1450     |
| FLOW RANGE (L/S) | 5.5-28   | 5.5-33   | 5.5-33    | 5.5-55   |
| HEAD (m)         | 12.3-5.9 | 19.2-8.2 | 19.2-8.2  | 19.5-5.1 |

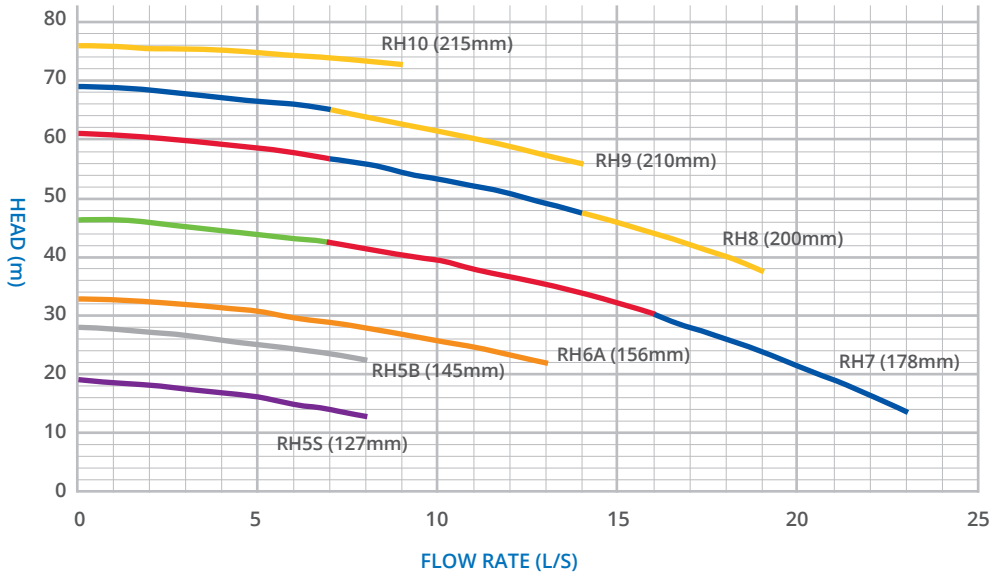
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Specifications are subject to change without notice.

\* Same hydraulic values as the CSPH5.5 but more power reserves for cutting  
Note: Other models available

# YARDMASTER® IRRIGATION PUMP PERFORMANCE CURVES

Performance Curves - TWO POLE (2800 rpm)



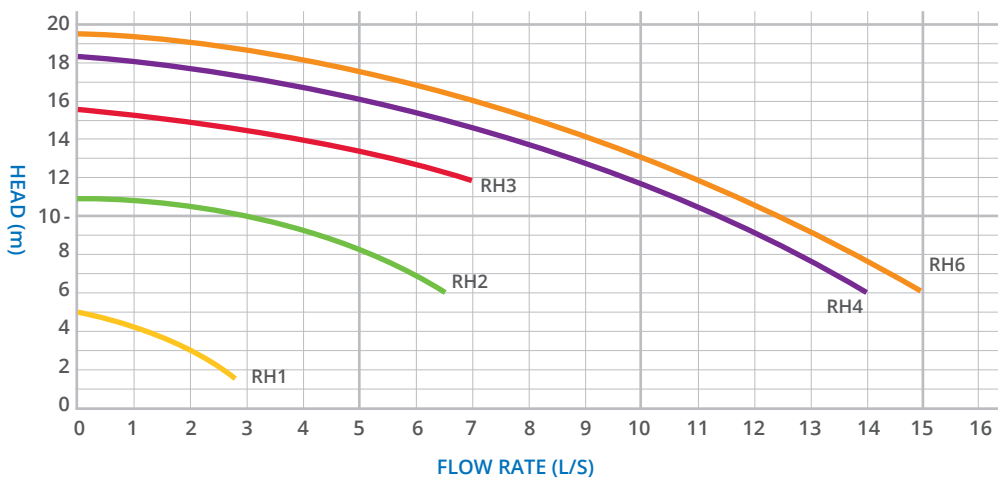
|  | kW   | HP  |
|--|------|-----|
|  | 4    | 5   |
|  | 5.5  | 7.5 |
|  | 7.5  | 10  |
|  | 11   | 15  |
|  | 15   | 20  |
|  | 18.5 | 25  |
|  | 22   | 30  |

(Impeller Size)



# YARDMASTER® TRANSFER PUMP PERFORMANCE CURVES

Performance Curves - FOUR POLE (1400 rpm)



|  | IMP | kW  | HP   |    |
|--|-----|-----|------|----|
|  | RH1 | 150 | 0.75 | 1  |
|  | RH2 | 178 | 1.5  | 2  |
|  | RH3 | 200 | 2.2  | 3  |
|  | RH4 | 215 | 4    | 5  |
|  | RH6 | 220 | 7.5  | 10 |

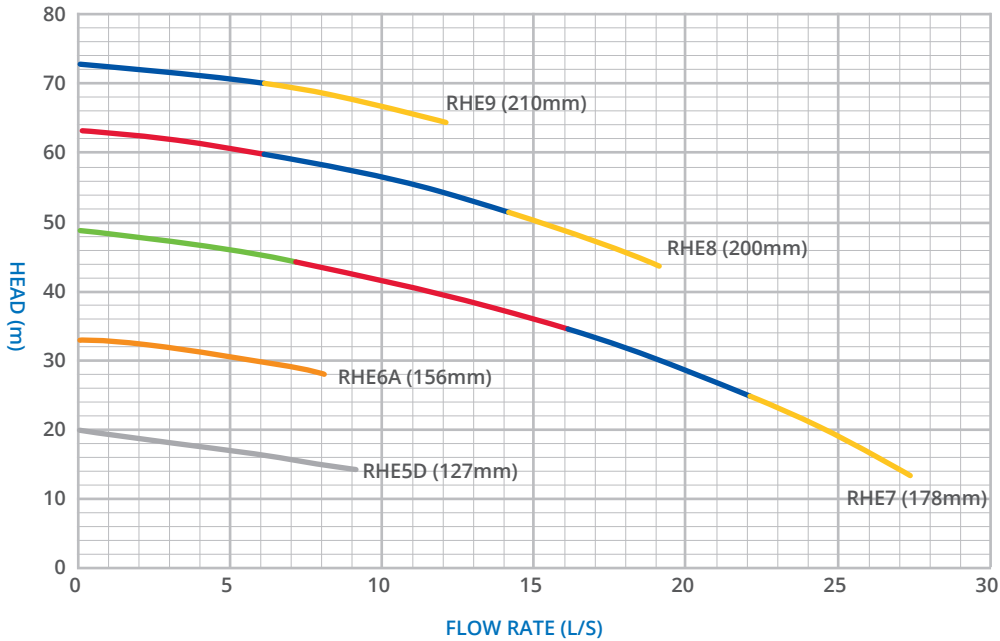
The performance curves stated above are those for water. When slurries, manures and effluent are to be pumped, delivery, head and power will change. Yardmaster pumps require back pressure, insufficient back pressure may cause the motor to overload. Therefore if running close to open discharge seek assistance from your Dealer or contact Reid & Harrison directly. Calculations can be made that will give details of the size of pump required for the task and specifications of performance.

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# YARDMASTER® EXTENDER PUMP PERFORMANCE CURVES

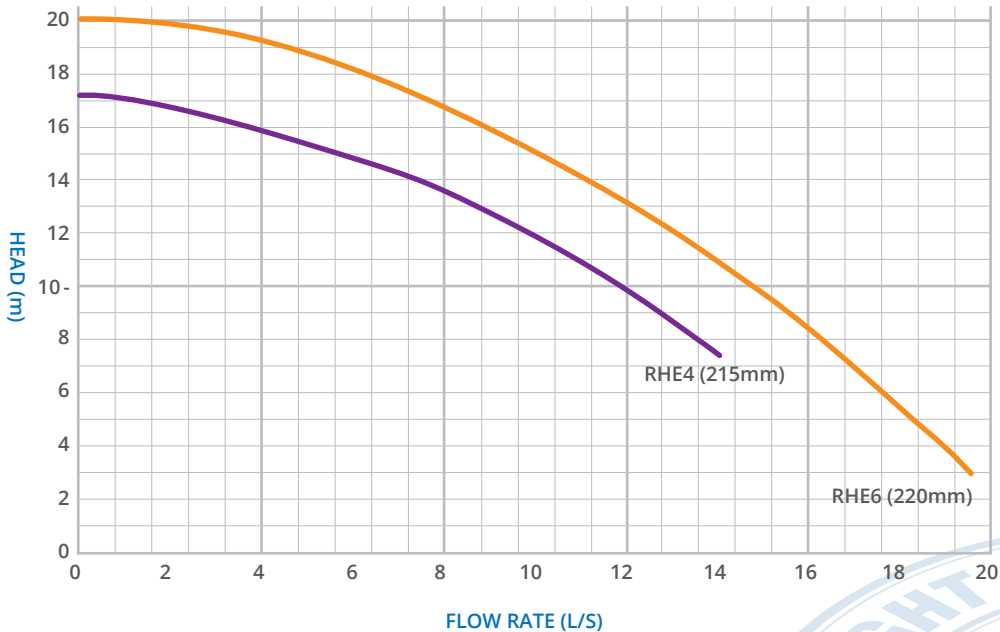
## Performance Curves - TWO POLE (2800 rpm) - Irrigation Extender Pumps



|            | kW   | HP  |
|------------|------|-----|
| — (Grey)   | 5.5  | 7.5 |
| — (Orange) | 7.5  | 10  |
| — (Green)  | 11   | 15  |
| — (Red)    | 15   | 20  |
| — (Blue)   | 18.5 | 25  |
| — (Yellow) | 22   | 30  |

(Impeller Size)

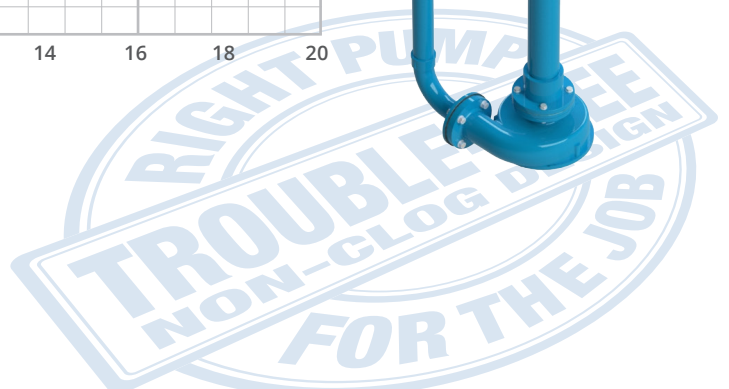
## Performance Curves - FOUR POLE (1400 rpm)



|            | IMP | kW  | HP |
|------------|-----|-----|----|
| — (Purple) | 215 | 4   | 5  |
| — (Orange) | 220 | 7.5 | 10 |



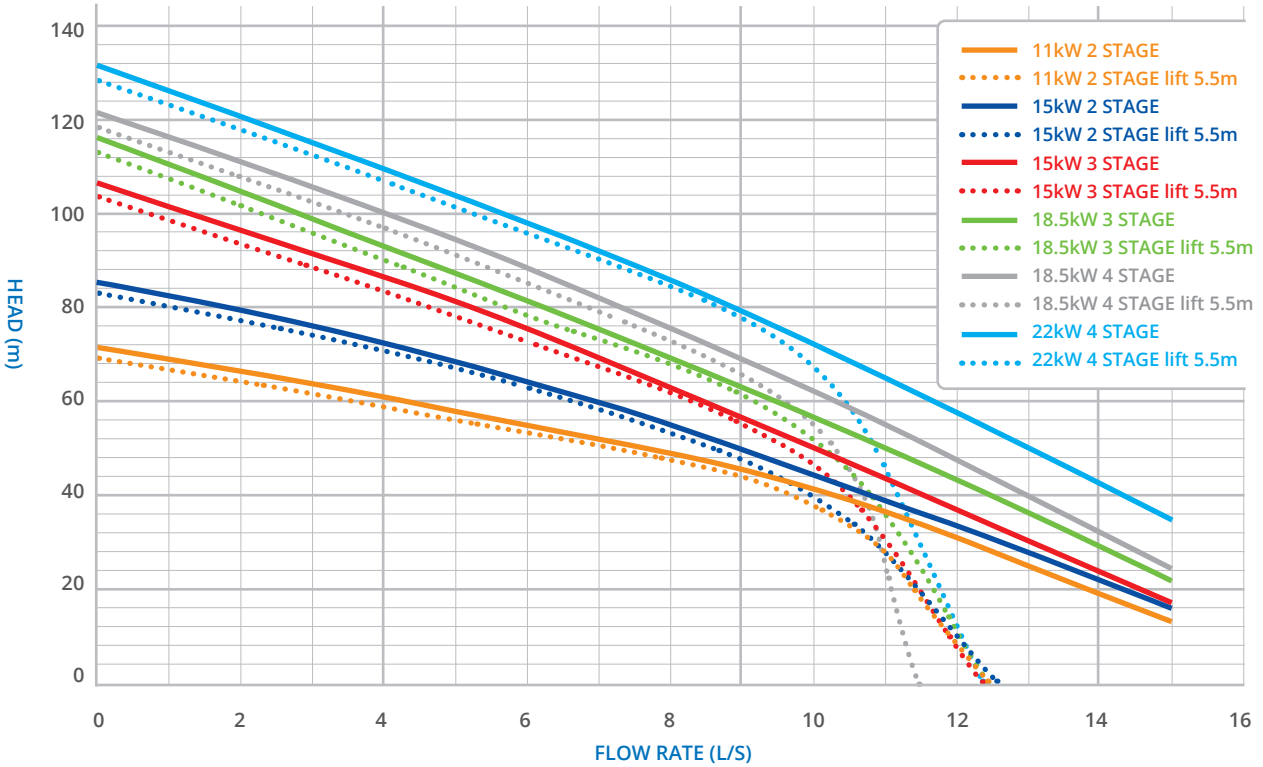
The performance curves stated below are those for water. When slurries, manures and effluents are to be pumped, delivery, head and power will alter. For viscous liquid-solid combinations seek assistance from your agent or contact Reid & Harrison direct. Calculations can be made that will give details of the size of pump required for the task and specifications of performance.



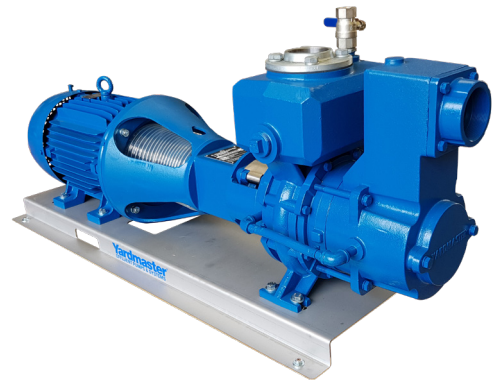
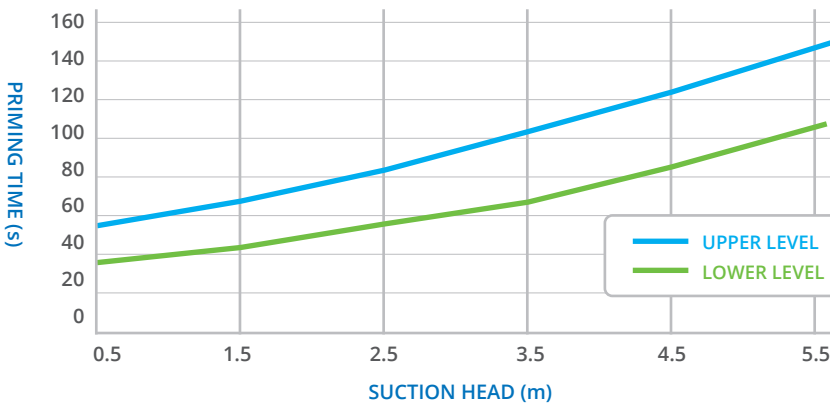
# YARDMASTER® SELF PRIMING MULTI-STAGE PERFORMANCE CURVES

## 2-4 STAGES / PERFORMANCE CURVES - TWO POLE (2950 rpm)

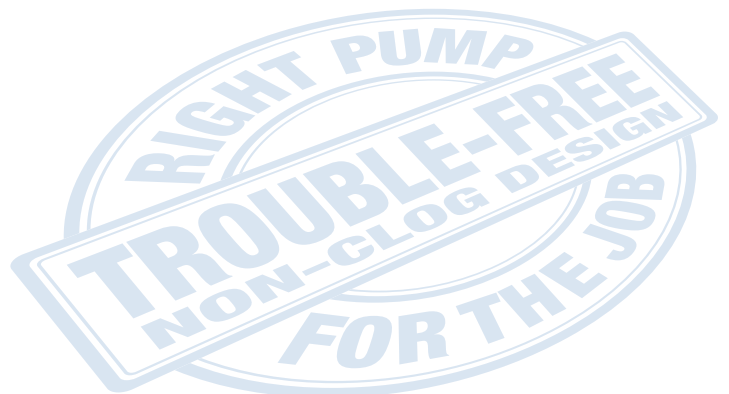
3" x 8m SUCTION LINE USED FOR ALL TESTS



## PRIMING TIME vs SUCTION LIFT - 8m SUCTION LINE



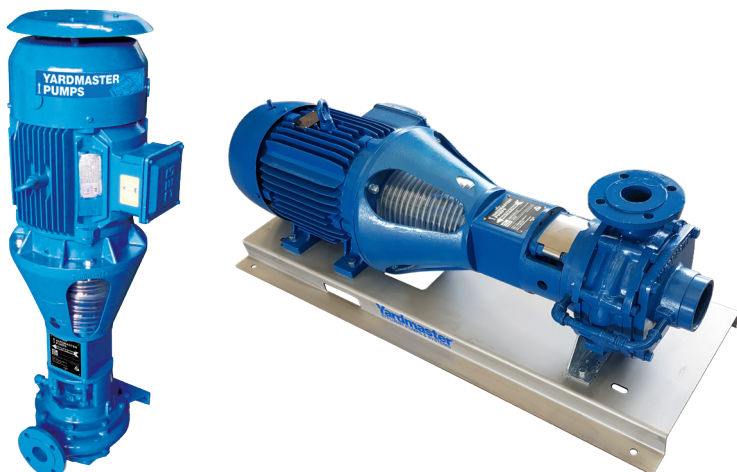
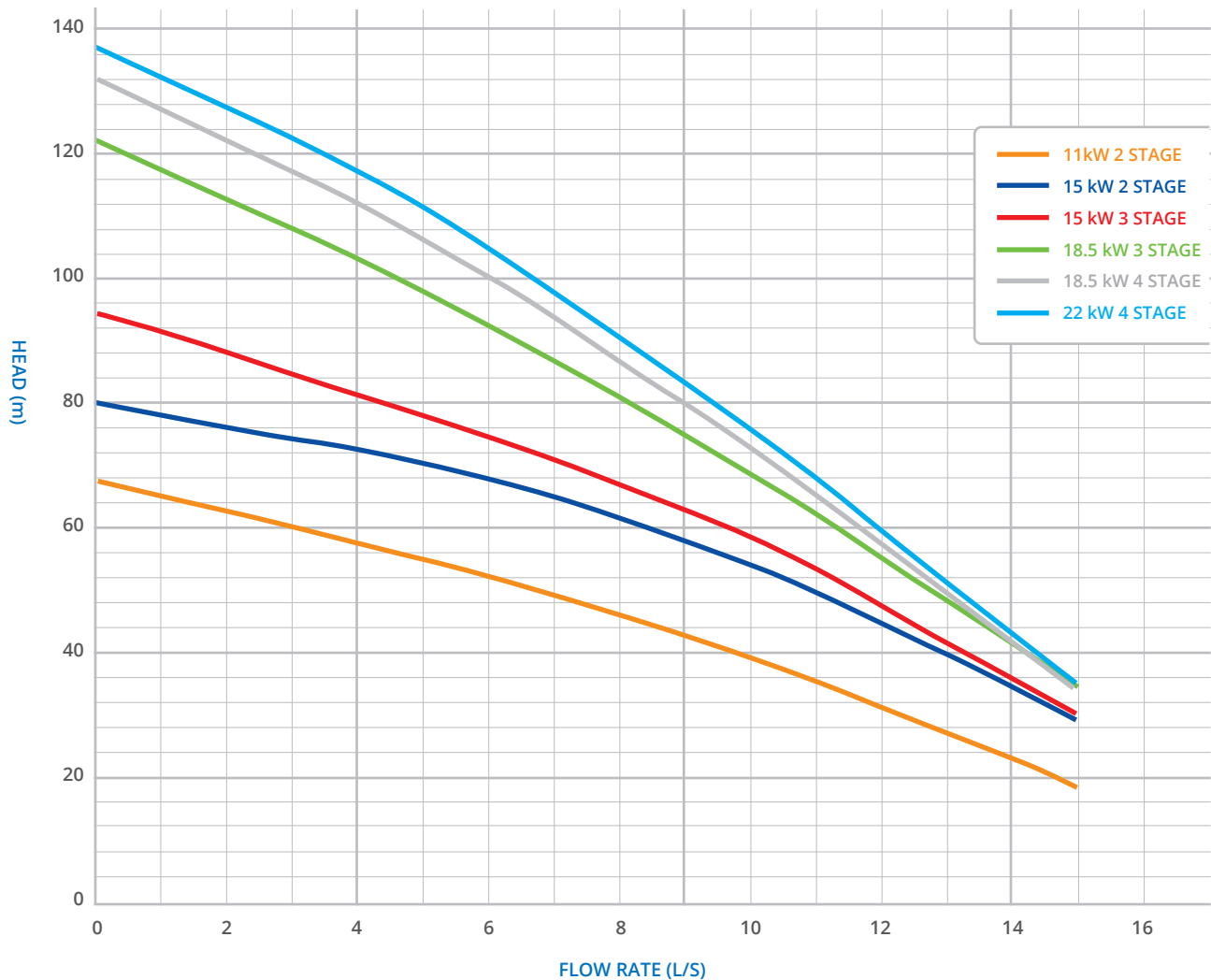
Due to continuous product development, Reid & Harrison reserve the right to change specification without notice. Performance figures are based on average test results from production pumps. Specific performance test curves can be supplied against order



# YARDMASTER® MULTI-STAGE PUMP PERFORMANCE CURVES

## 1-4 STAGES / Performance Curves - TWO POLE (2800 rpm)

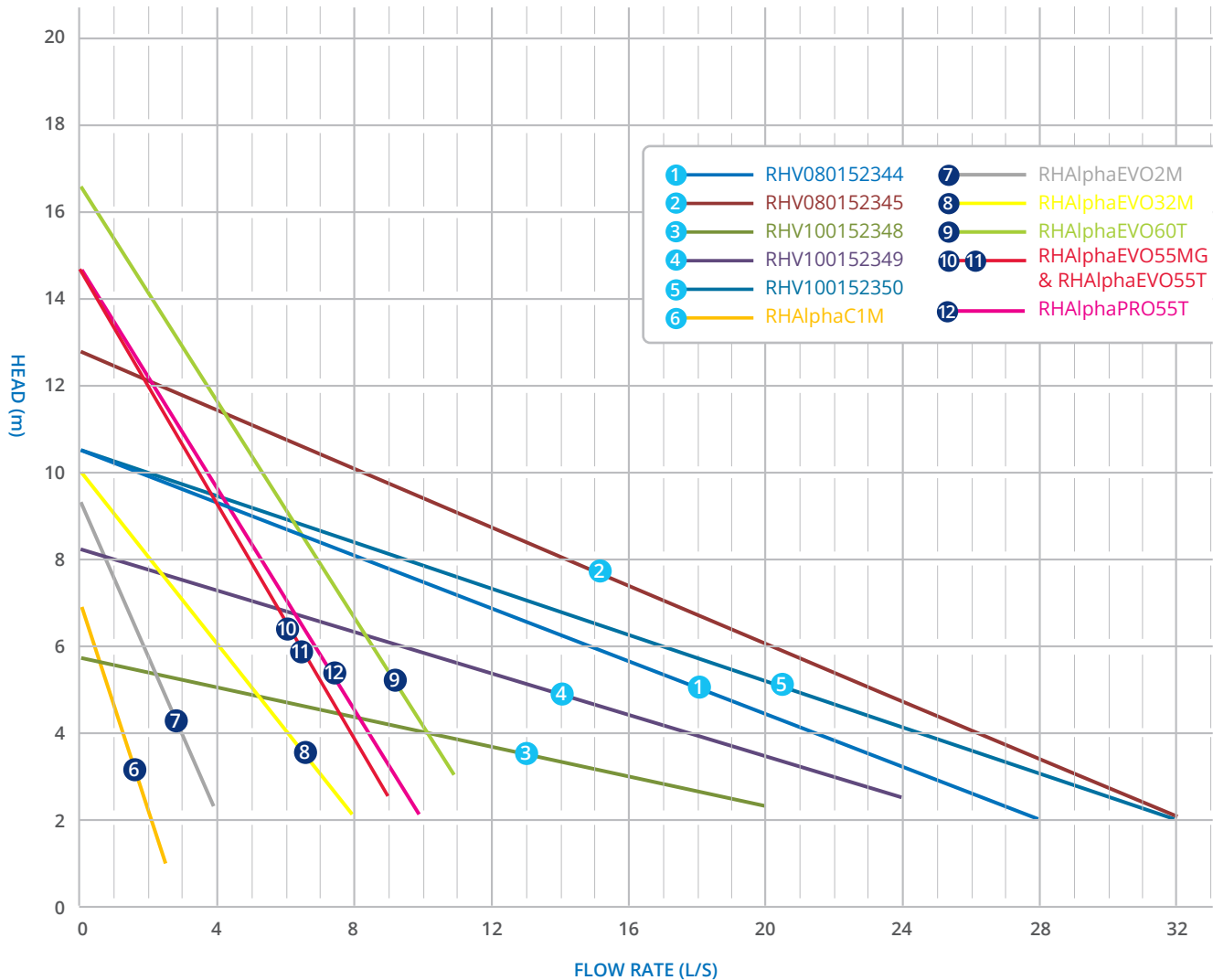
IMPELLERS: 1st Stages: 4v, 162 dia. Final Stage: 4v 195 dia



*Due to continuous product development, Reid & Harrison reserve the right to change specification without notice. Performance figures are based on average test results from production pumps. Specific performance test curves can be supplied against order*

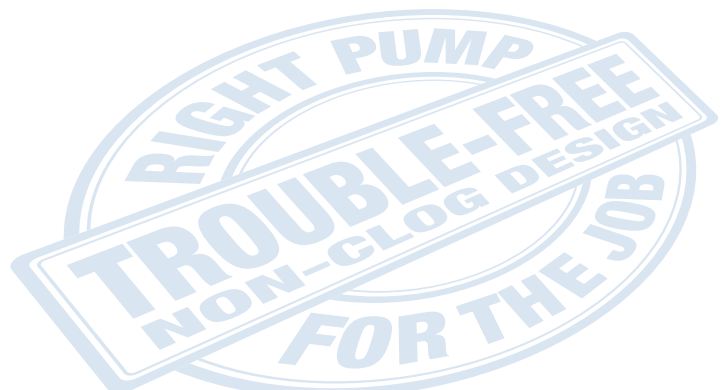
# YARDMASTER® SUBMERSIBLE PUMP PERFORMANCE CURVES

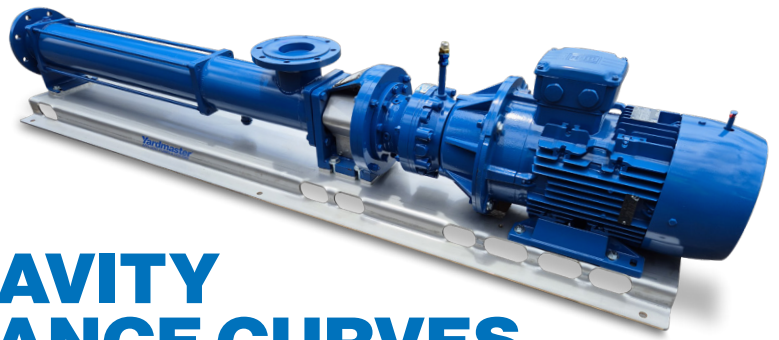
Maximum Pump Efficiency



10

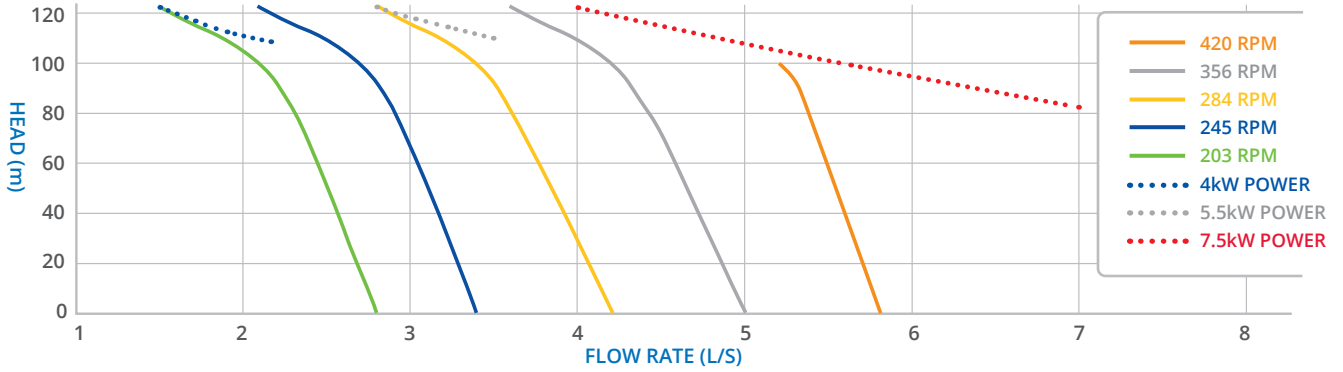
Effluent Pumps



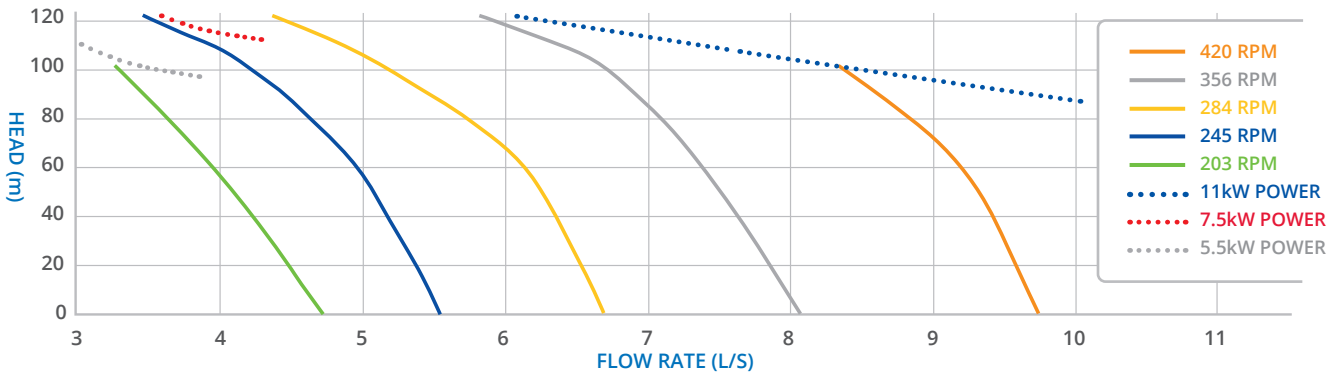


# YARDMASTER® PROGRESSIVE CAVITY PUMP PERFORMANCE CURVES

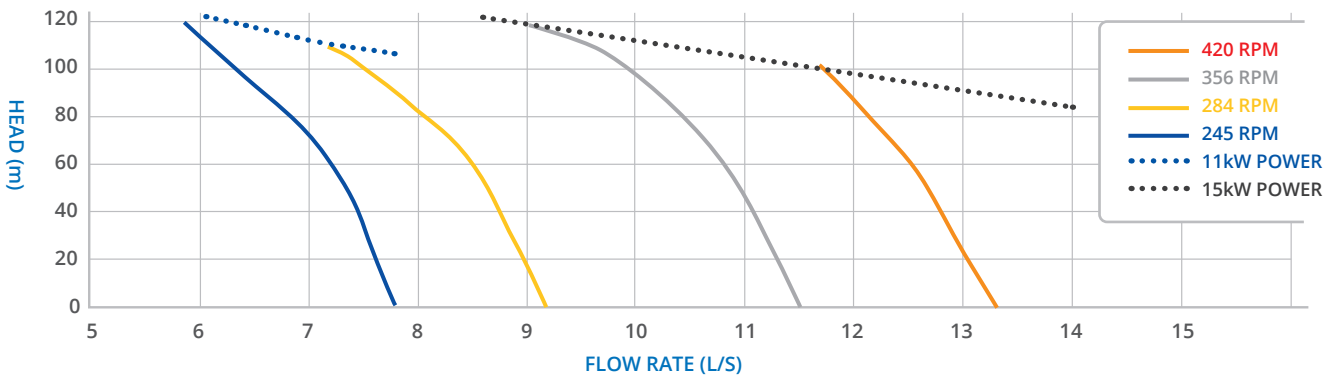
**Performance Curves - PC12 PUMP**



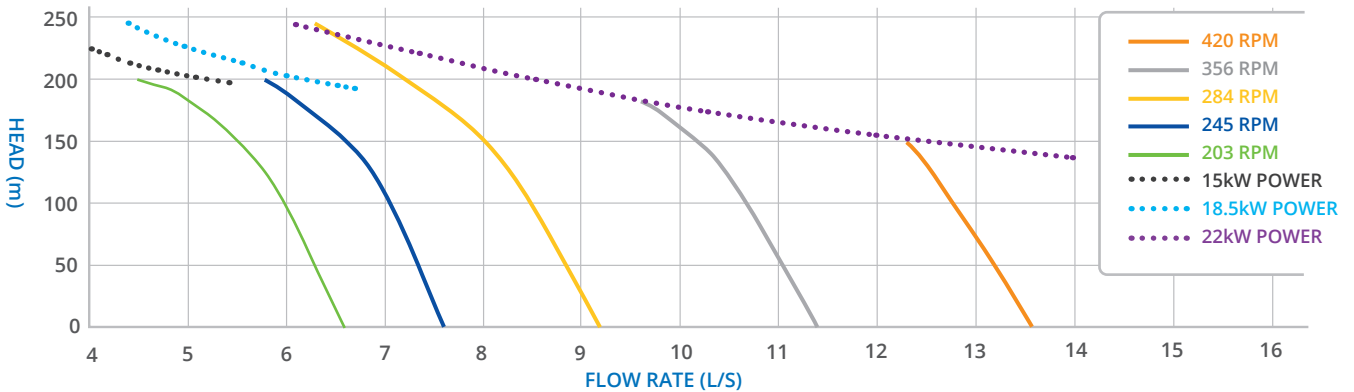
**Performance Curves - PC22 PUMP**



**Performance Curves - PC32 PUMP**



**Performance Curves - PC34 PUMP**



# STIRRERS

**STIRRERS**

**FOR SUMPS, PONDS OR TANKS**

12

Effluent Stirrers



**Vertical Stirrer**

**IDEAL FOR**

- Floating Frame mounting or Fixed mounting
- Small tanks, sumps or ponds

**Right Angle Stirrer**

**IDEAL FOR**

- Floating Frame mounting or Fixed mounting
- Larger tanks, sumps or ponds
- Strong agitation

**Williams PTO Stirrer**

Tractor PTO driven 3 point mounted effluent pond stirrer, used to stir the pond prior to emptying.

**FEATURES**

- Multi Directional Agitator
- Heavy duty drive shaft
- 6.5m length

**Bauer PTO Stirrer**

Sets the contents of slurry lagoons of up to 6,000 m<sup>3</sup> in motion and homogenises them in no time - without requiring much power.

**FEATURES**

- Low power requirement with high stirring effect and thrust force
- User-friendly, even in one-man operation
- Available in 7-10m lengths

**Vertical Stirrer Performance Overview**

| CODE                                  | RHST2    | RHST4  | RHST6    |
|---------------------------------------|----------|--------|----------|
| <b>MOTOR SIZE 4P (kW)</b>             | 1.5      | 4      | 7.5      |
| <b>PROPELLER RPM</b>                  | 100      | 100    | 100      |
| <b>PROPELLER SIZE (mm)</b>            | 250      | 600    | 960      |
| <b>SUMP/POND SIZE (m<sup>3</sup>)</b> | Up to 20 | 20-100 | 100-1000 |

**Right-Angle Stirrer Performance Overview**

| CODE                                  | RHSRS4    | RHSRS6     | RHSRS7A |
|---------------------------------------|-----------|------------|---------|
| <b>MOTOR SIZE 4P (kW)</b>             | 4         | 7.5        | 11      |
| <b>PROPELLER RPM</b>                  | 300       | 300        | 300     |
| <b>PROPELLER SIZE (mm)</b>            | 480       | 590        | 675     |
| <b>SUMP/POND SIZE (m<sup>3</sup>)</b> | Up to 500 | Up to 2000 | >3000   |

**Shore Mounted Stirrer Performance Overview**

| CODE                                  | SHS075075  | SHS075099  | SHS110075 | SHS110099 |
|---------------------------------------|------------|------------|-----------|-----------|
| <b>MOTOR SIZE (kW)</b>                | 7.5        | 7.5        | 11        | 11        |
| <b>PROPELLER RPM</b>                  | 400        | 400        | 400       | 400       |
| <b>PROPELLER SIZE (mm)</b>            | 440        | 440        | 470       | 470       |
| <b>LENGTH (m)</b>                     | 7.5        | 9.9        | 7.5       | 9.9       |
| <b>SUMP/POND SIZE (m<sup>3</sup>)</b> | Up to 3000 | Up to 3000 | 3000-9000 | 3000-9000 |

**Shore Mounted Stirrer**

**IDEAL FOR**

- Shore mounting
- Large ponds
- Safe access



**Submersible Stirrer Performance**

| CODE                             | RHSTSC015A | RHSTSC030A | RHSTS060A  | RHSTS075A  |
|----------------------------------|------------|------------|------------|------------|
| <b>MOTOR SIZE (kW)</b>           | 1.5        | 3          | 6          | 7.5        |
| <b>PROPELLER RPM</b>             | 960        | 740        | 350        | 350        |
| <b>PROPELLER SIZE (mm)</b>       | 260        | 400        | 545        | 570        |
| <b>THRUST (N)</b>                | 290        | 920        | TBA        | TBA        |
| <b>TANK SIZE (m<sup>3</sup>)</b> | 30         | Up to 800  | Up to 1700 | Up to 2000 |

**Submersible Stirrer**

**IDEAL FOR**

- Sumps or tanks
- Easy access when fitted with a Yardmaster lifting frame



# SEPARATORS

**SEPARATORS**



**Rotary Drum Separator (RDS)**

IDEAL FOR

- Low power requirements
- Moderate dry solids
- Low wear & maintenance



**Static Screen Separator (SS)**

IDEAL FOR

- No power
- No moving parts
- Can be used as primary separator



**Centrifier™ (C)**

IDEAL FOR

- Fine particles
- Secondary separator
- Minimises pond settlement

**Separator Performance Overview**

| CODE                           | RDS25      | RDS60      | SS30   | C50        |
|--------------------------------|------------|------------|--------|------------|
| MOTOR SIZE (kW)                | 0.75       | 1.5        | N/A    | 4          |
| RPM                            | 1450       | 1450       | N/A    | 1450       |
| AUGER/DRUM RPM                 | 19         | 15         | N/A    | 600        |
| SCREEN SIZE (mm)               | 0.5 & 1(s) | 0.5 & 1(s) | 0.5(s) | 0.025-0.25 |
| CAPACITY (m <sup>3</sup> /hr)* | 30         | 40         | 20     | 50         |

\* Based on <10% solids loading).  
s - Stainless Steel.

**Bauer Press Screw Seperator**

The S655 and S855 separators are the flagships of the Bauer separator fleet and have been working in all markets around the world for more than two decades.

KEY FEATURES

- High-precision components
- Constant high throughput
- Low wear costs through long service life
- Simple setting
- Low maintenance required

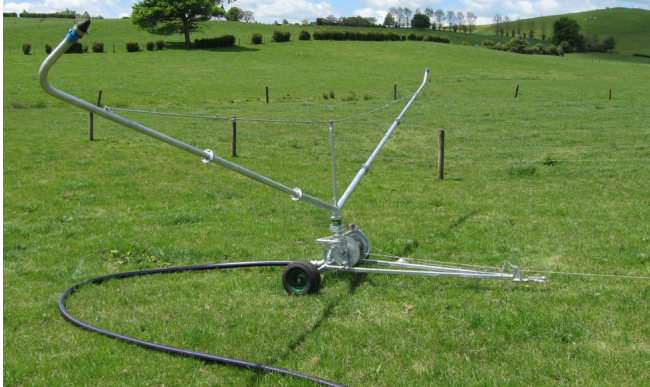
IDEAL FOR

Proven and tested many times, the S655 and S855 separators are the ideal solution for users with medium to high slurry or waste volumes. These BAUER separators are frequently used in agriculture as well as in industry (food or pharmaceutical industry) or slaughterhouses.





# IRRIGATORS



### Williams Greenback Spider

A new simple speed change procedure with a choice of five travel speeds allows greater control of effluent application depths (minimum of 5mm)

- Application depth 5mm through 13mm nozzles @ 6 ltr/sec @ 3bar
- Differently angled arms allow for a more even spread pattern of between 30 to 50 metres depending on pump pressure
- Suitable for electric and PTO pumps
- Drags 90 alkathene
- Travel Distance up to 400m

### Williams Spider Deluxe

The Williams Spider Deluxe Irrigator is designed to operate with a 2800 rpm 5.5kW - 11kW effluent pump which suits most average sized farms.

- Simple trouble free design
- Hardened steel wire guide
- 4 travel speeds
- Total enclosed main bearings
- Stainless steel spindle
- Low centre of gravity
- Light but strong
- Totally hot-dipped galvanized
- Towing hitch
- Operates with lay flat and hard hoses
- Progressive cam for low power requirement for travelling

### Williams Power Nozzles

The power nozzles give the irrigator a greater speed, without the stress of increasing the rotor width.

- Easy to install
- Quick release
- Will fit all irrigators
- Virtually zero blockage



### Williams Tri-Anchor

Custom made to provide a secure fixing point for the "Spider" range of travelling effluent irrigators.

- Great in places when there is nowhere to anchor to



## WILLIAMS IRRIGATOR PERFORMANCE OVERVIEW

| Irrigator Model  | Spreading Width (m) | Travel Distance (m) | Draghose Max (mm) | Irrigator Nozzle (mm) | Sprinkler Nozzle (mm) | Min Flow (l/s) | Max Flow (l/s) | Min Pressure (bar) | Max Pressure (bar) |
|------------------|---------------------|---------------------|-------------------|-----------------------|-----------------------|----------------|----------------|--------------------|--------------------|
| Greenback Spider | 30-50               | 250-400             | 90OD              | 13                    | N/A                   | 5.4            | 8.3            | 2                  | 3.4                |
| Spider Deluxe    | 20-35               | 250-300             | 75OD              | 13                    | N/A                   | 4.3            | 7.2            | 2                  | 3.4                |
| Deluxe Junior    | 20-25               | 200                 | 63OD              | 13                    | N/A                   | 4.3            | 7.2            | 2                  | 3.4                |
| Greenback Magnum | 45-90               | 250-400             | 90OD              | 13                    | 14                    | 4.9            | 6.9            | 2                  | 4                  |
|                  |                     |                     |                   | 13                    | 16                    | 5.7            | 8.9            | 2                  | 5                  |
|                  |                     |                     |                   | 13                    | 18                    | 6.7            | 10.5           | 2                  | 5                  |
|                  |                     |                     |                   | 13                    | 20                    | 7.9            | 12.3           | 2                  | 5                  |
|                  |                     |                     |                   | 13                    | 22                    | 11.2           | 14.2           | 3                  | 5                  |

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### Williams Deluxe Junior

This irrigator is specifically designed for smaller sized farms with lower powered pumps (4kW-5.5kW).

- Double lipped neoprene seals
- Quick action pawls
- Hardened steel wireguide
- 4 travel speeds
- Total enclosed main bearings
- Stainless steel spindle
- Low centre of gravity
- Totally hot-dipped galvanized
- Towing hitch
- Progressive cam for low power requirement for travelling
- Supplied with the camlocking for supply hose
- Green water /Small solids

### Williams Auto Shut-Off Valve

The Auto Shut-off Valve has been designed to turn the travelling irrigator off at the end of the paddock.

- Easy to set up the Irrigator



### Williams Greenback Magnum

The first of its kind....the GB Magnum Travelling Raingun Irrigator combines the performance of a static rain gun with the reliability of our GreenBack travelling irrigator.

- Application depths of 3mm - 25mm and rates below 10mm per hour
- 5 travel speeds
- Sime Synkro effluent raingun
- Designed to suit flow rates from 5 ltr/sec - 14 ltr/sec (18 m<sup>3</sup> - 50 m<sup>3</sup>)
- NZ patent # 603925
- Wetted widths from 45m 90m
- Unique gland sealing system using double lipped neoprene seals
- 5mm Galv or S/S wire rope with lengths of 250, 300 and 400m

## HARD HOSE IRRIGATION

BAUER hose reel irrigators are easy to operate and stand for robust construction and a long service life. Even under the most difficult conditions. Every customer will find just the right solution from among the 100 models on offer.

- Cost efficient and energy-saving irrigation
- Comfortable and easy handling
- Operational safety even under the most extreme conditions

No matter which field size or form, the innovative modular design of the RAINSTAR easily adapts to every condition and offers tailor made equipment for every irrigation process. The particularly attractive price-performance ratio guarantees in the first place the cost effectiveness of your investment.



# Yardmaster® ACCESSORIES

## FRAMES & PLATFORMS



### Floating Frame/ Control Arm

#### IDEAL FOR

- Irrigation pumps & stirrers
- Sumps and ponds



### Tank Frames

#### IDEAL FOR

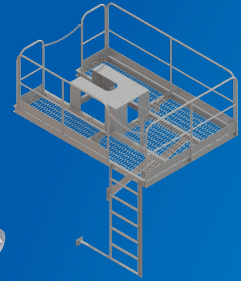
- For covering 3.4m tanks



### Submersible Stirrer and Pump Frames

#### IDEAL FOR

- Servicing Submersible pumps & stirrers in sumps
- Above ground tanks without affecting tank construction

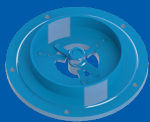


### Platforms

#### IDEAL FOR

- Positioning separators over solids bunker

## FOR PUMPS



### Cutter Blades

#### IDEAL FOR

- Yardmaster standard pumps



### Inline Cutter

#### IDEAL FOR

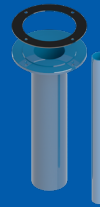
- Eliminating blockages in multistage pumps caused by leaves & debris
- 4kW motor



### Pump Covers

#### IDEAL FOR

- Weather protection for pump motors



### Pump suction extensions

#### IDEAL FOR

- Yardmaster standard pumps



### Automatic Greaser

#### IDEAL FOR

- Applying constant supply of grease over 12 month period
- Floating frame systems

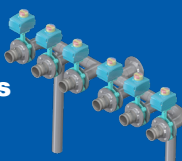


### Float Control Switch

#### IDEAL FOR

- Pump and stirrer control
- Sumps and ponds

## OTHER



### Headworks

#### IDEAL FOR

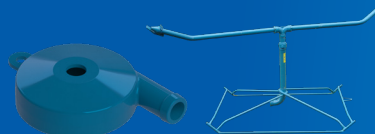
- Mainline irrigation distribution



### Sprinklers & Rain Guns

#### IDEAL FOR

- Static Irrigation suited for high risk soils



### Pot Spray

#### IDEAL FOR

- Static Irrigation

### Irrigator on sled

#### IDEAL FOR

- Static Irrigation

## EFFLUENT MANAGEMENT



### Yardmaster HALO SUPERSMART Monitoring & Control

#### IDEAL FOR

- Flow control for varying applications
- Control of irrigation rates
- Control by cell phone
- Flow protection

## Floating Frame Configuration

| CODE       | DESCRIPTION                      | Max Pump SIZE (Kw) |     | Max Vertical Stirrer SIZE (Kw) |
|------------|----------------------------------|--------------------|-----|--------------------------------|
| AYPD300xx  | 3 Drum Frame                     | 7.5                | or  | 7.5                            |
| AYPD4601xx | 4 Drum Single Mount Frame        | 18.5               | or  | 7.5                            |
| AYPD4602xx | 4 Drum Double Mount Frame        | 7.5                | and | 4                              |
| AYPD4611xx | 4 Drum Right Angle Stirrer Frame |                    |     | *11                            |
| AYPD6601xx | 6 Drum Single Mount Frame        | 22                 | or  | 7.5                            |
| AYPD6602xx | 6 Drum Double Mount Frame        | 18.5               | and | 7.5                            |

\*Right angle stirrer only

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# HYDRANT WASH DOWN



The Reid & Harrison Hydrant Wash Down System comprises a high volume pump and a number of fixed outlets. The outlets, used one at a time, can swivel 360 degrees, enabling the operator to wash a large area from each hydrant point. The only requirement is a water storage tank close to the pump.

## Key Features

- The Wash Down System uses volume rather than pressure
- Reduces wash time by up to 90%
- Constructed in stainless steel therefore corrosion will never be an issue again compared to other brands.
- Designed with an industrial swivel that can rotate 360 degrees. The swivel consists of a single row of ball bearings sealed by two O-rings.
- Single or three phase options.
- Uses **NO MORE** water than conventional methods
- Simple to operate

## Ideal For

All yards, including multiple slope yards. Steep sloping yards are no longer necessary



*When paired with a 33l/s water pump @ 3Bar the hydrant will achieve a 20-meter radius of cover.*

## R&H Hydrant Wash Down System

| PUMP SIZE | POWER        | RADIUS COVERAGE / HYDRANT | FLOW (L/S) |
|-----------|--------------|---------------------------|------------|
| 7.5kW     | Single Phase | 16m                       | 27         |
| 11kW      | Three Phase  | 20m                       | 33         |



# OTHER



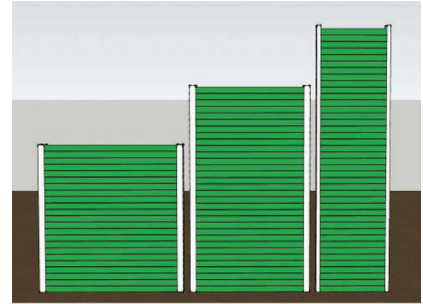
## RX Plastics Weeping Wall

Offering a solution to farmers on effluent screening, RX Plastics has developed a weeping wall using a triangular shaped profile of PVC, providing a product that does not break down over time, does not swell or shrink and provides a consistent gap for solids removal.

Refer to Consultant for advice on what Gap size and panel size would best suit your requirements

### FEATURES

- Made of PVC with high physical strength
- High UV stability
- Non-corroding - won't rust
- Will not swell or warp
- Will not rot
- Smooth surfaces
- Triangular bar shape, provides more flow and self cleaning benefits
- 4mm, 6mm, 8mm Gap sizes
- A range of panel sizes available



## vibepanel

EFFLUENT SCREEN SEPARATOR

### Vibepanel Vibrating Weeping Wall

The Vibe Panel is a vertical passive separation screen, in basic terms a 'vibrating weeping wall'. The vibrations travel down the horizontal panels to clear blocked slots in the screen which then causes the containment to de-water. The vibration allows effluent to move easily through the slots and into containment ready to be irrigated to pasture.

### VIBE PANEL FEATURES:

- Stainless steel finger joint construction to avoid cracking/breaking
- 0.18kw 3 phase and 1 phase option
- Rubber mounted sides and base
- Liquefies product to remove solid left behind
- 1.2m x 1.2m standard size
- Extremely strong (137kgs)
- Custom built panels made to suit certain applications



### Williams In-Line Effluent Filters

The Williams In-Line Effluent Filter is designed to ensure removal of debris that creates blockages in irrigation nozzles.



### Williams Riser Hydrants

- No clamps!
- Seals don't blow out
- Simple to assemble and install
- One spanner or socket to assemble
- Totally hot-dipped galvanised
- Sizing to suit Poly and PVC pipe of common sizes



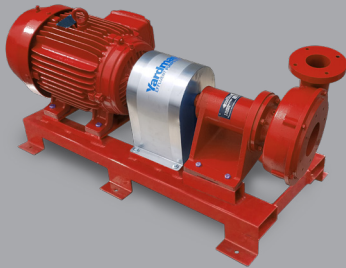
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# INDUSTRIAL PUMPS



Horizontal Pumps at Chicken processing facility



### Yardmaster Heavy Duty Horizontal Suction Pump

An alternative pump where the vertical mount pumps are not a suitable solution

Performance figures are equivalent to the standard Yardmaster Transfer pump range - re page 5



### Yardmaster Heavy Duty Solids Pump

For volume transfer of liquid with solids.

**IDEAL FOR**

- Sewerage, abattoir products, quarry dewatering, coal slurries and industrial applications

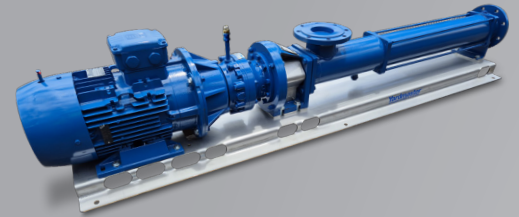


### Yardmaster Vertical Pump

High speed irrigation pump.

**IDEAL FOR**

- Yardmaster pumps can be found in use from dairy sheds to meat processing plants, from wool scowers to sawmills shifting sawdust



### Yardmaster Progressive Cavity Pump

The Progressive Cavity Pump, for industrial applications, is a power efficient pump, resulting in lower running costs, the PC pump provides a constant flow ideal for fluid management processing.

For specs refer page 4



### Bauer Magnum CSPH Submersible Pump

Heavy duty cutter pump.

**IDEAL FOR**

- Meat processing plants, sewerage and dairy effluent



3m long Vertical Stirrers - mixing saltwater ice 24hrs a day



### Yardmaster Vertical Stirrer

The Yardmaster® Vertical Stirrer is ideal for small tanks, sumps or ponds and can be mounted on floating frames.

**IDEAL FOR**

- Floating Frame mounting or Fixed mounting
- Small tanks, sumps or ponds

# STIRRERS



### Yardmaster Submersible Stirrer

Designed for sumps or tanks, The Yardmaster Submersible Stirrer combined with the Yardmaster Lifting Frame provides powerful agitation with safe service access.

**IDEAL FOR**

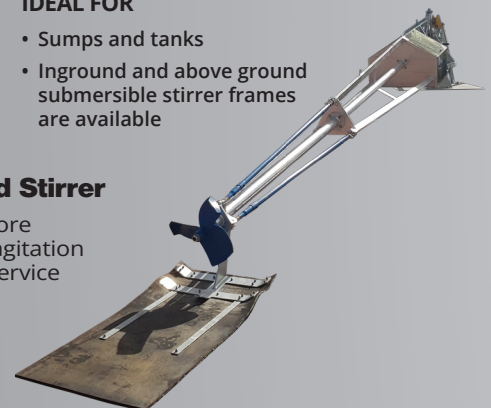
- Sumps and tanks
- Inground and above ground submersible stirrer frames are available

### Yardmaster Shore Mounted Stirrer

Designed for large ponds the shore mounted stirrer provides great agitation while providing safe access for service and maintenance.

**IDEAL FOR**

- Applications where floating frames are not preferred



# INDUSTRIAL SEPARATORS

## Bauer Press Screw Separator

Proven and tested many times, the S655 and S855 separators are the ideal solution for users with medium to high slurry or waste volumes. These BAUER separators are frequently used in agriculture as well as in industry (food or pharmaceutical industry) or slaughterhouses.

### KEY FEATURES

- High-precision components
- Constant high throughput
- Low wear costs through long service life
- Simple setting
- Low maintenance required



Bauer Press Screw Separator



Inclined Separator - Meat processing plant



Rotary Drum Separator - Ecogas



## Yardmaster Rotary Drum Separator (RDS)

The Rotary Drum Separator is an ideal solution for de-watering and separating effluent waste streams cost effectively and trouble-free.

The Rotary Drum Separator requires low power requirements, separates moderate dry solids and has low maintenance requirements.

### IDEAL FOR

- High flow & moderate dry solids



## Yardmaster Static Screen Separator (SS)

The Static Screen Separator offers separation without mechanical operation or power and achieves a high level of solids and particle removal.

Requiring no power, the Static Screen Separator has no moving parts and can be used as a primary separator for your effluent system.

### IDEAL FOR

- Very small particles
- No power



## Yardmaster Centrifier (C)

Unique high-volume chemical-free separation. The Centrifier is the second stage in the separation of fine particles from a liquid stream from a primary separator.

### IDEAL FOR

- Fine particle separator. Use as secondary separator
- Minimises pond settlement

# FOOD GRADE

**REID & HARRISON**

## Industrial Rotosieve



**FEATURES**

- Easy Operator Screen Access
- 95%+ Fines Recovery
- All Stainless Steel
- USDA Accepted
- CIP Capable
- Two Sizes

**SUITABLE FOR**

Dairy, Oil, Cheese Whey, Canning, Fruit, Juice, Paper, Soy Bean, Chemical, Sugar, Textile, Pharmaceutical, Meat

**TECHNICAL SPECIFICATIONS**

*Note - Product image is a Dual Rotosieve with trays and support frame. Units are sold individually and support frames are optional extras.*

| Model          | Roto 25L                 | Roto 5L                 |
|----------------|--------------------------|-------------------------|
| Capacity       | up to 27,200 kg/hr       | up to 5,400 kg/hr       |
| Inlet          | 2.5" Tri Clamp           | 1.5" Tri Clamp          |
| Outlet         | 6"                       | 4"                      |
| Dimensions     | H-870mm W-550mm L-1400mm | H-690mm W-500mm L-800mm |
| Motor          | 2.2 kW                   | 0.75 kW                 |
| CIP Sprayballs | 120 kg/min               | 120 kg/min              |
| Screen Sizes   | 40-100 Micron            | 40-100 Micron           |
| # of Screens   | 2                        | 1                       |

**REID & HARRISON**

## Industrial Casein Mincer

Developed for the dairy industry, the RH Industrial Casein Mincer produces a specific particle size within a liquid stream after cooking of curd. This process aids the further washing and final drying of product.



**SUITABLE FOR**

Dairy, Oil, Cheese Whey, Canning, Fruit, Juice, Paper, Soy Bean, Chemical, Sugar, Textile, Pharmaceutical, Meat

**REID & HARRISON**

## Industrial CM5 Curd Mill

Developed for the food industry the RH Industrial CM5 Curd Mill is adaptable to many other industries where particle sizing is required. The mill is designed to have different size screens fitted for different particle sizing.



**SUITABLE FOR**

Dairy, Oil, Cheese Whey, Canning, Fruit, Juice, Paper, Soy Bean, Chemical, Sugar, Textile, Pharmaceutical, Meat



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