AUSSIE SMART (POLY) PUMPS .... LEAK FREE CHEMICAL TRANSFER

Aussie poly 2” and 3” self priming centrifugal pumps are manufactured from 30% glass filled polyester.

RSE Series Aussie poly pumps offer flows to 1010 litres per minute and heads as high as 37 metres. Suction lift is 6.6 metres.

Features
- Strong 30% glass filled polyester construction
- Lightweight
- Wide range of optional elastomers
- Impeller option
- Integrated handle
- Honda petrol or Yanmar diesel engine drive options (two year engine warranty)
- Heavy duty galvanised steel carry frame (standard on diesel drive option on petrol drive units)
- Protek engine protection (option on engine drive standard on electric drive pumps)

Benefits
- Wide range of liquid compatibility
- Highly portable
- Flexibility of handled liquids
- Can be either high pressure or high flow
- Aids portability, operator convenience
- Tried and proven with established service networks throughout Australia and the world
- Protects pump and engine, aids portability
- Separates pump from engine. Protects engine or electric motor from ingress of liquid if the mechanical seal fails

Applications:
- Agricultural chemical transfer
- Diesel fuel transfer
- Brine or salt water pumping
- Marine salvage
- Marine fire fighting
- High volume water transfer
- Aquaculture

Aussie Seamaster
(2” Yanmar powered poly pump)

SEAL COMPATIBILITY (Recommendation only - check compatibility chart for specifics)

1. For oil based liquids including diesel fuel, select BUNA elastomer option
2. For most ag. chem. liquids select EPDM elastomers
3. Viton elastomers available. For chemical compatibility check 'Chemical Compatibility Chart'

**WARNING:** When pumping flammable or combustible liquids all containers must be effectively bonded and grounded to prevent sparks of static electricity which could cause explosion.

Optional Accessories:
- Heavy duty galvanised roll frame (standard on diesel drive)
- Heavy duty suction hoses 2” and 3”
- Medium pressure lay flat delivery hose, working pressure 100 psi
- Camelot style quick couplet design
- High flow diesel transfer fuel nozzle
- Range of seals including Buna N, EPDM or Viton
- Protek engine protection

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Engine Drive:

Aussie poly pumps with either Honda petrol or Yanmar diesel drive options with or without electric start. Diesel versions come in a full galvanized roll frame (option on the petrol drive versions).

Table A Stock codes for different elastomers and impeller options

<table>
<thead>
<tr>
<th>Inlet/outlet</th>
<th>Impeller</th>
<th>Max Flow (lpm)</th>
<th>Max Head (m)</th>
<th>EPDM</th>
<th>Buna N</th>
<th>Viton*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td>706 high head</td>
<td>720</td>
<td>37</td>
<td>RSE2BUL</td>
<td>RSE2BUB</td>
<td>RSE2BUV*</td>
</tr>
<tr>
<td></td>
<td>975 high flow</td>
<td>835</td>
<td>25</td>
<td>RSE28RL</td>
<td>RSE28BB</td>
<td>RSE28RV*</td>
</tr>
<tr>
<td>3&quot;</td>
<td>706 high head</td>
<td>870</td>
<td>37</td>
<td>RSE3BXL</td>
<td>RSE3BXB</td>
<td>RSE3BXV*</td>
</tr>
<tr>
<td></td>
<td>975 high flow</td>
<td>1010</td>
<td>25</td>
<td>RSE38SL</td>
<td>RSE38SB</td>
<td>RSE38SV*</td>
</tr>
</tbody>
</table>

List B: Seal compatibility

(Recommendation only - check compatibility chart for specifics)

1. For oil based liquids including diesel fuel, select BUNA N elastomer option
2. For most ag. chem. liquids select EPDM elastomers
3. Viton elastomers available. For chemical compatibility check 'Chemical Compatibility Chart'

How to order the correct pump:

1. Determine pump flow (litres per minute) and head (metres) required.
2. Refer to Table A and select high head or high flow impeller and inlet/outlet size required.
3. Determine seals required for chemical being pumped by using List B.
4. Combine information from steps 2 & 3 to determine last two letters of stock code required.
5. Add engine model or hydraulic drive selection to end of stock code.

Example: Pump required to pump agricultural chemicals with a maximum flow of 600 litres per minute and a head of 10 metres.

1. Select impeller from Table A, in this case 2" 706 high head model.
2. Select seals required from List B, in this case EPDM elastomers.
3. Select preferred engine option, petrol / diesel and add stock code.

i.e: RSE2BUL/GX200E = 2" x 2" 706 (high head) impeller with EPDM seals & Honda 6.5HP engine electric start

Performance Curve: Engine Honda GX200 6.5HP at 3600 rpm

- Golden Rule: Operate pump at the best efficiency point ...
- 85% of max pump head

Aussie Seamaster (RSE2BUB/L48 & RSE3BXB/L48):

- 2" or 3" poly pump with a 706 impeller,
- Buna seals for salt water compatibility,
- Yanmar 4.8HP diesel engine with electric start option
- Full galvanized roll frame for protection and portability.
- Yanmar diesel engine rated to operate intermittently at 3600 rpm; continuous operation speed 3000 rpm.
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Electric Drive:

2” and 3” self priming centrifugal pumps made from 30% glass filled polyester with single or three phase, 2 pole, electric motor, 50 Hz, for industrial applications. Suitable for transferring corrosive or dangerous liquids, diesel fuel, industrial solvents, potable water, brine and salt water, oils etc.

Drive systems: Unique Aussie electric motor drive

Protek Motor Protection

Maximum motor protection system from catastrophic seal failure. Featuring adapter to separate pump from motor, large cavity to handle even major seal failures and oversized slinger to prevent liquid contacting engine. Fitted as standard on all electric drive poly pumps and is an option on engine drive pumps.

The ultimate motor protection.

Protek system, fits between motor or engine and pump.

Table A Stock codes for different elastomers and impeller options

<table>
<thead>
<tr>
<th>Impeller</th>
<th>Max Flow (lpm)</th>
<th>Max Head (m)</th>
<th>EPDM</th>
<th>Buna N</th>
<th>Viton*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2” high head</td>
<td>580</td>
<td>22.5</td>
<td>RSE2BUL</td>
<td>RSE2BUB</td>
<td>RSE2BUV*</td>
</tr>
<tr>
<td>975 high flow</td>
<td>660</td>
<td>16</td>
<td>RSE2BRL</td>
<td>RSE2BRB</td>
<td>RSE2BRV*</td>
</tr>
<tr>
<td>3” high head</td>
<td>700</td>
<td>22.5</td>
<td>RSE3BXL</td>
<td>RSE3XBL</td>
<td>RSE3XV*</td>
</tr>
<tr>
<td>975 high flow</td>
<td>800</td>
<td>16</td>
<td>RSE3BSL</td>
<td>RSE3BSB</td>
<td>RSE3BSV*</td>
</tr>
</tbody>
</table>

Motor options: 2.2kW (240v) single phase, 2.2kW(415v) three phase and 4kW (415v) three phase

List B: Seal compatibility

(Recommendation only - check compatibility chart for specifics)

1. For oil based liquids including diesel fuel, select BUNA N elastomer option
2. For most ag. chem. liquids select EPDM elastomers
3. Viton elastomers available. For chemical compatibility check ‘Chemical Compatibility Chart’

How to order the correct pump:

1. Determine pump flow (litres per minute) & head (metres) required.
2. Refer to Table A & select high head or high flow impeller & inlet/outlet size required.
3. Determine seals required for chemical being pumped by using list B.
4. Combine information from steps 2 & 3 to determine last two letters of stock code required.
5. Add motor selection to end of stock code.

Example: Pump required to pump agricultural chemicals with a maximum flow of 500 litres per minute & a head of 10 metres.

1. Select impeller from Table A, in this case 2” 706 high head model.
2. Select seals required from List B, in this case EPDM elastomers.
3. Select preferred motor selection and add stock code. i.e: RSE2BUL/2.2/240 = 2” x 2” 706 (high head) impeller with EPDM seals & 2.2kW, 240 volt motor

Large cavity to protect engine or motor against any possible seal failure.

Pump mechanical seals

Oversize weep hole directs liquid down, and away from operator.

Model | A (mm) | B (mm) | C (mm) | Weight (kg)
--- | --- | --- | --- | ---
RS2 with 2.2kW motor | 560 | 302 | 280 | 28
RS2 with 4kW motor | 600 | 302 | 280 | 37
RS3 with 2.2kW motor | 623 | 302 | 280 | 29
RS3 with 4kW motor | 663 | 302 | 280 | 38

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Page 3
Poly/BF/0119/1
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Golden Rule
Operate pump at the best efficiency point ... 85% of max pump head

Bare Shaft & Hydraulic:

<table>
<thead>
<tr>
<th>Model</th>
<th>Length (mm)</th>
<th>Height (mm)</th>
<th>Width (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS2 bare shaft with cast iron ped</td>
<td>374</td>
<td>302</td>
<td>280</td>
<td>12</td>
</tr>
<tr>
<td>RS3 bare shaft with cast iron ped</td>
<td>425</td>
<td>302</td>
<td>280</td>
<td>13</td>
</tr>
<tr>
<td>RS2 hydraulic</td>
<td>325</td>
<td>302</td>
<td>280</td>
<td>10</td>
</tr>
<tr>
<td>RS3 hydraulic</td>
<td>388</td>
<td>302</td>
<td>280</td>
<td>11</td>
</tr>
</tbody>
</table>

To order select pump kit, select impeller and seals using Table A & List B, ie RSE2BRL and add part number of pedestal or hydraulic drive required.
1. Basic bare shaft drive poly pedestal, carbon steel shaft       #PS8.0001
2. Heavy duty bare cast iron pedestal, stainless steel shaft     #PS8.0097
3. Hydraulic drive                                               #PS8.0047

Table A Stock codes for different elastomers and impeller options

<table>
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<th>Impeller</th>
<th>Max Flow (lpm)</th>
<th>Max Head (m)</th>
<th>EPDM</th>
<th>Buna N</th>
<th>Viton*</th>
</tr>
</thead>
</table>
| 2"           | 706 high head     | 720            | 37           | RSE2BUL | RSE2BUB | RSE2BUV*
| 975 high flow | 835               | 25             | RSE2BRL | RSE2BRB | RSE2BRV* |
| 3"           | 706 high head     | 870            | 37           | RSE3BXL | RSE3XB | RSE3BXV* |
| 975 high flow | 1010              | 25             | RSE3BLS | RSE3BSB | RSE3BSV* |

List B: Seal compatibility

(Recommendation only - check compatibility chart for specifics)
1. For oil based liquids including diesel fuel, select BUNA N elastomer option
2. For most ag. chem. liquids select EPDM elastomers
3. Viton elastomers available. For chemical compatibility check ‘Chemical Compatibility Chart’