EXECUTIVE SUMMARY
DAMEN DOP® PUMP
Reliable, efficient and robust
The best tool for small scale dredging projects
Specifically developed for the dredging industry
For professional contractors and dredging companies
<table>
<thead>
<tr>
<th>Parameter</th>
<th>150</th>
<th>200</th>
<th>250</th>
<th>350L</th>
<th>350</th>
<th>450L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. mixture capacity</td>
<td>600 m³/h</td>
<td>800 m³/h</td>
<td>1,250 m³/h</td>
<td>2,400 m³/h</td>
<td>2,400 m³/h</td>
<td>4,000 m³/h</td>
</tr>
<tr>
<td>Max. pump speed</td>
<td>1,300 rpm</td>
<td>1,200 rpm</td>
<td>900 rpm</td>
<td>625 rpm</td>
<td>580 rpm</td>
<td>470 rpm</td>
</tr>
<tr>
<td>Max. power at shaft</td>
<td>80 kW</td>
<td>120 kW</td>
<td>195 kW</td>
<td>170 kW</td>
<td>360 kW</td>
<td>400 kW</td>
</tr>
<tr>
<td>Suction diameter</td>
<td>150 mm</td>
<td>200 mm</td>
<td>250 mm</td>
<td>350 mm</td>
<td>350 mm</td>
<td>450 mm</td>
</tr>
<tr>
<td>Discharge diameter</td>
<td>180 mm</td>
<td>200 mm</td>
<td>250 mm</td>
<td>350 mm</td>
<td>350 mm</td>
<td>450 mm</td>
</tr>
<tr>
<td>Max. spherical passage</td>
<td>77 mm</td>
<td>125 mm</td>
<td>130 mm</td>
<td>200 mm</td>
<td>150 mm</td>
<td>165 mm</td>
</tr>
<tr>
<td>Weight (basic DOP unit)</td>
<td>1,100 kg</td>
<td>1,360 kg</td>
<td>2,425 kg</td>
<td>4,580 kg</td>
<td>5,330 kg</td>
<td>7,350 kg</td>
</tr>
</tbody>
</table>
Typical applications

- Maintenance
- Sand / gravel mining
- Mobile booster station
- Mounted on ladder or crane
- Suspension from A-frame

Typical areas of operation

- Harbours
- Rivers
- Canals
- Restricted areas
- Hopper barges
Delivery from stock
Heavy duty design
Low maintenance
Proven design
Compact
Versatile
Multi functional

Low cost
Large spherical passage
Various suction heads available
- In-house dredge pump design and development
- Soil investigation & dredging consultancy
- Optimization of dredging installation
- Production calculation programs
- FEM calculation construction
- Proven heavy duty technologies and principles
- Strong constructions
- Continuous improvement of standards
- Standardized components and principles
  - Heavy duty mechanical seal
  - Designed for rough environments
  - Changeable wearing parts
  - Changeable suction heads
  - Components of well known manufacturers
- Jet-water pipe and nozzles
- Suspension from crane or A-frame
- High production capacities
- Jet-water pipe and ring around head
- Suspension from crane or A-frame
- Bottom profile levelling in restricted areas
- Separate hydraulic powered cutter
- Fixed suspension on crane or ladder
- For removal of packed sand
- Accurate dredging with minimal (close to zero) turbidity
- Fixed suspension on crane or ladder
- Dredging of contaminated sediments
- Production instrumentation
- Process instrumentation
- Powerpack
- Jet water pump
- Pipes and hoses
PROCESS INSTRUMENTATION

PUMP SPEED

DISCHARGE PRESSURE

DEPTH MEASUREMENT
- Flow meter
- Density meter
- Production calculation unit
DIESEL DRIVEN
HYDRAULIC
POWERPACK

DAMEN
- Discharge hoses including floats
- Discharge over land (Steel / HDPE)
- Self floating hoses
- Hydraulic hoses
- Jet-water hoses
After sales department
- Components with short delivery time
- Complete package of spare parts
- Registration of components
- Advice and support
- Dedicated team involved from order to shipment

Damen Field Service
- Post delivery support
- Warrantee and after sales services
- Training courses (in house and on site)
- Technical check-ups
- Service in remote areas
DAMEN DREDGING EQUIPMENT

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