Exceptional Self-Priming Capabilities
The design of the A-Series pumps, utilizes an eccentric disc according to the Mouvex principle, this enables self-priming, even when dry, and pipe clearing.

Legendary ruggedness
The A Series pumps maintain their initial performance level over time without any adjustment thanks to the automatic clearance make-up system.

Unchanging characteristics
Even if the viscosity of the fluid changes considerably, the A Series pumps maintain a regular and constant output, independent of the delivery pressure.

Practically unlimited scope of application
A Series pumps are perfectly adapted to the transfer of fluid whether it be viscous, non-lubricating, volatile or delicate (no shear effect).

Options
- Double bypass for protection when operating in both directions.
- Heating or cold jacket for transferring products that can solidify at ambient temperature.

ATEX certified
II 2 G II B T2, T3, T4, T5
(according to pumped product temperature)
Can run dry in ATEX environment.

Flow rates up to 55 m³/h (242 gpm)
Reversibility
The unique design of the A Series pump allows the unit to be continually run in reverse. This enables pumping back of products.

Excellent efficiency
The unique eccentric disc principle ensures a smooth transfer (low rotary speeds) as well as excellent efficiency.

Mouvex Technology
Eccentric disc pumps consist of a cylinder and pumping element mounted on an eccentric shaft. As the eccentric shaft is rotated, the pumping element forms chambers within the cylinder, which increase in size at the intake port, drawing fluid into the pumping chamber. The fluid is transported to the discharge port where the pumping chamber size is decreased. This action squeezes the fluid out into the discharge piping.

Mouvex Principle
Since 1965, these workhorse transfer pumps have earned a strong reputation in some of the harshest applications in the world. Now, these pumps have expanded their capabilities to serve more markets and a wider range of industrial applications:

- **Energy:** Fuels, Gasoline, Diesel, Jet, Avgas, LFO, HFO, Biodiesel, Bioethanol, Lubricants, Mineral and Synthetic oils, Greases
- **Chemical Industry:** Paint, Varnishes, Solvents, Resins, Methanol, Ethanol, Additives, Various chemicals
- **Food Industry:** Cooking oils, Animal fats, Vegetable fats, Cocoa butter, Molasses, Alcohols

### Performance Data

<table>
<thead>
<tr>
<th></th>
<th>AZ</th>
<th>AD</th>
<th>A6</th>
<th>A12</th>
<th>A18</th>
<th>A31</th>
<th>A55</th>
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<tbody>
<tr>
<td><strong>Maximum flow rate</strong></td>
<td>m³/h</td>
<td>1.2</td>
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<td></td>
<td>gpm</td>
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<td>51.5</td>
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<td><strong>Maximum differential pressure</strong></td>
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1 With flanges compatible with old A series pumps
2 With ISOPN16 or ANSI150 flanges