ALLWEILER SERIES NI
VOLUTE CASING CENTRIFUGAL PUMPS OF INLINE DESIGN

DESIGN AND SERIES CONSTRUCTION
Volute casing centrifugal pump, single entry, single or two-stage, of inline design. Pump size according to DIN EN 733. Shaft sealing by maintenance-free mechanical seal in unbalanced design (main dimensions acc. to DIN EN 12 756, design K, shape U).

Stub and motor shaft are rigidly coupled together. Shaft bearing in the motor by means of grease-lubricated groove ball bearings. The mating dimensions of the two-stage sizes 2/25-200/01, 2/32-200/01, 2/40-250/01, 2/50-250/01, except for dimensions f and l depending upon the driving motors, correspond to the single-stage designs.

Horizontal or vertical installation, motor arrangement downwards is not admissible.

EXPLOSION PROOF (ATEX) VERSIONS AVAILABLE
The pump fulfills the requirements according to EC Explosion Protection Directive 94/9EG (ATEX 100a) for equipment and equipment group II, category 2 G. Categorization into temperature classes according to EN 13463-1 depends on the temperature of the pumped medium. The max. permissible temperature of the pumped medium for the respective temperature classes are shown in the specific order data sheet.

APPLICATIONS
› Sea & Fresh Water
› Cooling & Heating Systems
› Circulation
› Supply & Transfer
› HVAC
› Fire

PERFORMANCE DATA

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q</td>
<td>up to 380 m³/h</td>
</tr>
<tr>
<td>H</td>
<td>up to 145 m</td>
</tr>
<tr>
<td>Pₜ (diameter 16, 24, 30)</td>
<td>up to 16 bar</td>
</tr>
<tr>
<td>Pₜ (diameter 40)</td>
<td>up to 10 bar</td>
</tr>
<tr>
<td>t</td>
<td>up to 140°C</td>
</tr>
<tr>
<td>Pₛ</td>
<td>1</td>
</tr>
<tr>
<td>P</td>
<td>0.25 to 37 kW</td>
</tr>
<tr>
<td>DNₐ</td>
<td>25 up to 150</td>
</tr>
</tbody>
</table>
ALLWEILER SERIES NI

DRIVE MOTORS
Commercial Marine Standard or Navy Standard Shock Proof with locating-type bearing, construction IM V1, all types of enclosures and speeds of rotation possible.

UNCOOLED, UNBALANCED MECHANICAL SEAL
for cavities according to DIN EN 12 756, design K, form U.

FOUNDATION
Support foot foundation with standard motor lantern available for non-shock applications.

HORIZONTAL & VERTICAL MOUNTING
with exception of motor downward.

VOLUTE CASING
Can remain in piping when dismantling the driving unit (including impeller).

NEGLIGIBLE AXIAL THRUST
by fine adaption of the balancing holes.

OPTIMIZED HYDRAULIC
with very good efficiencies and NPSH-values of the standard series NT acc.

LARGER DELIVERY HEADS
with two-stage sizes (2/25-200/01, 2/32-200/01, 2/40-250/01, 2/50-250/01). The outer dimensions correspond with the single stage design.

FOR ADDITIONAL INFORMATION VISIT:
circorpt.com/circor-defense-solutions