

# 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.

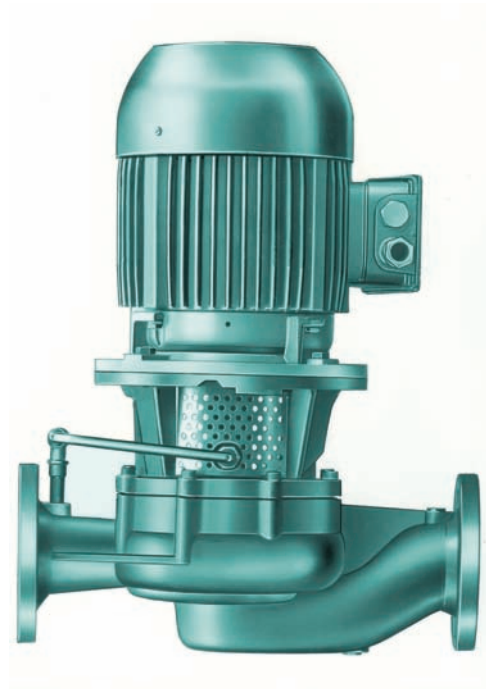
### EXPLOSION PROOF (ATEX) VERSIONS AVAILABLE

The pump fulfils 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.

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

### PERFORMANCE DATA

Q	up to 380 m <sup>3</sup> /h
H	up to 145 m
P <sub>d</sub> (diameter 16, 24, 30)	up to 16 bar
P <sub>d</sub> (diameter 40)	up to 10 bar
t	up to 140° C
P <sub>s</sub>	1
P	0,25 up to 37 kW
DN <sub>d</sub>	25 up to 150



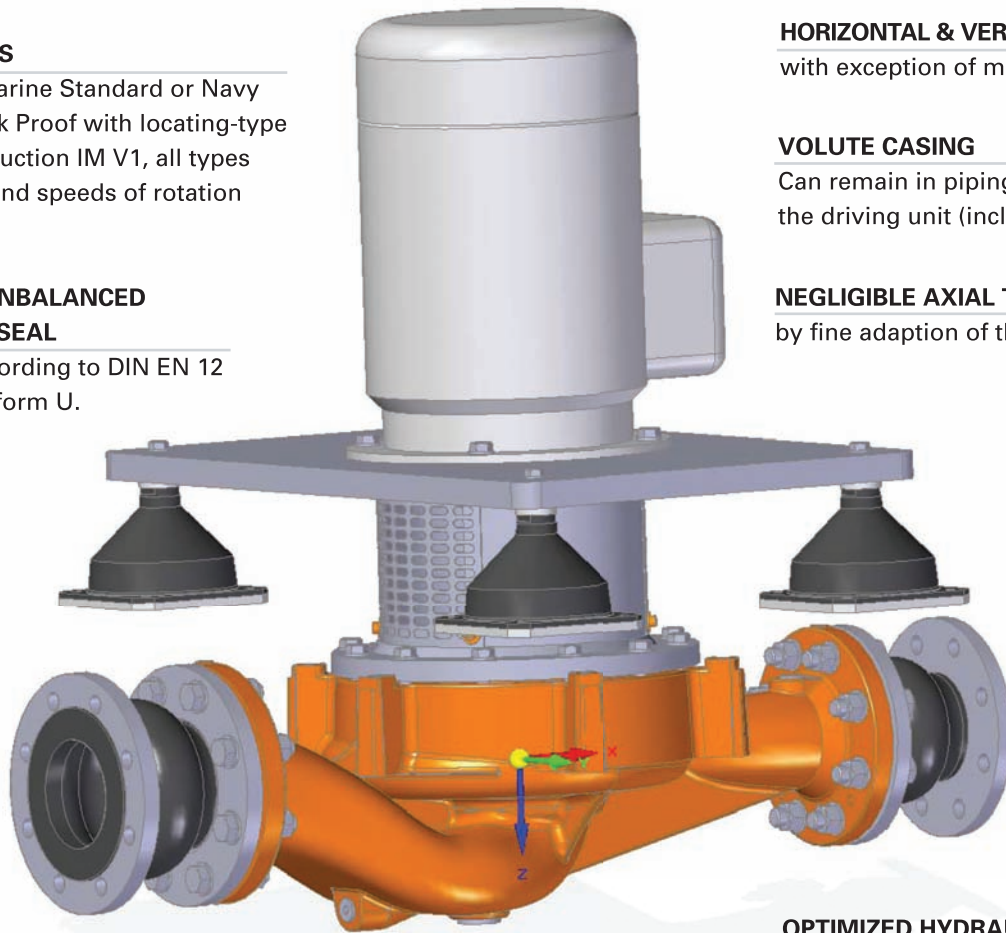
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### DRIVE MOTORS

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.



**HORIZONTAL & VERTICAL MOUNTING**  
with exception of motor downward.

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

**NEGLECTIBLE AXIAL THRUST**  
by fine adaption of the balancing holes.

### FOUNDATION

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

**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 MORE INFORMATION VISIT

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