

# N110

## Normal pressure pump



### Description

The 1-stage normal pressure pump N110 is the universal pump for airport-, industry- and large-tank fire trucks as well as fire boots and stationary units.

Water hammer when opening and closing outlets can be reduced to a minimum due to the flat pump characteristics.

The around-the-pump foam proportioning systems FOAMATIC E can also be integrated into the pump.

### Benefits

#### High performance

- normal output: 11,000 lpm (2,910 USgpm) at 10 bar (150 psi) and 1.8 m (6 ft) suction height (suction lines: 4x DN150) - possible also in tank suction operation with DN200 suction line

#### Marginal water hammer during opening and closing of outlets

- due to flat pump characteristic

#### High efficiency

#### High operational safety

- main bearings, pump gear-box and piston priming pump run in oil bath
- Maintenance-free mechanical sealing

#### Contamination insensitive

#### Different drive possibilities (according the requirements)

- gear box RGB182 (e.g. industrial truck, Panther 8x8 ...)
- gear box RGB335 to overcome axle distances of 335 mm (between drive shaft and pump shaft)

#### Options

- FOAMATIC E: automatic electronically regulated around-the-pump foam proportioning system
  - with 3 proportioning rates
- high pressure pump H5 - driven via belt
- pump pressure governor
- automatic priming

# N110

## Normal pressure pump



Available materials: corrosion resistant light alloy or gunmetal



Airport fire fighting truck Panther 8x8 with N110 and FOAMATIC E



N110 in gunmetal with around-the-pump foam proportioning system FOAMATIC E

### Technical Data

<b>Design</b>	normal pressure pump
<b>Normal pressure stage</b>	1-stage centrifugal pump
<b>Performance Normal Pressure</b>	nominal output: 11,000 lpm (2,910 USgpm) at 10 bar (150 psi) with 1.8 m (6 ft) suction height **)
<b>High pressure stage (HP)</b>	optional: 4-stage centrifugal pump, driven by a belt, up to 500 lpm (130 USgpm) at 40 bar (600 psi)
<b>Material</b>	corrosion resistant light alloy - anodized (option: gunmetal), pump shaft made out of stainless steel
<b>Sealing</b>	maintenance-free mechanical sealing
<b>Priming pump</b>	double acting piston pump - driven via a belt from the pump shaft (can be disengaged)
<b>Performance priming pump</b>	30% vacuum in 4 seconds (for 100 liters - 26.4 USgpm) * 70% vacuum in 17 seconds (for 100 liters - 26.4 USgpm) * maximum vacuum: 90%
<b>Around-the-pump foam pro. system</b>	optional: FOAMATIC E: electronically controlled around-the-pump foam proportioning system, water flow and foam flow is measured via a magnetic inductive flow meter, 3 pre-defined proportioning rates are possible,

\*) Volume of evacuation depending on the pump volume and volume of piping and suction hose(s)

\*\*\*) This performance at 1.8 m (6 ft) suction height requires 4x DN150 (4x 6") suction hoses. Performance can also be reached in tank suction operation with DN200 (8") suction line.

### Contact

ROSENBAUER INTERNATIONAL AG  
Paschinger Straße 90  
4060 Leonding, Austria  
Tel.: +43 732 6794-0  
Fax: +43 732 6794-91

[www.rosenbauer.com](http://www.rosenbauer.com)

[www.facebook.com/rosenbauergroup](https://www.facebook.com/rosenbauergroup)

Text and illustrations are not binding. The illustrations may show optional extras only available at extra charge. Rosenbauer retains the right to alter specifications and dimensions given herein without prior notice.

PC244  
2017-11\_RJun