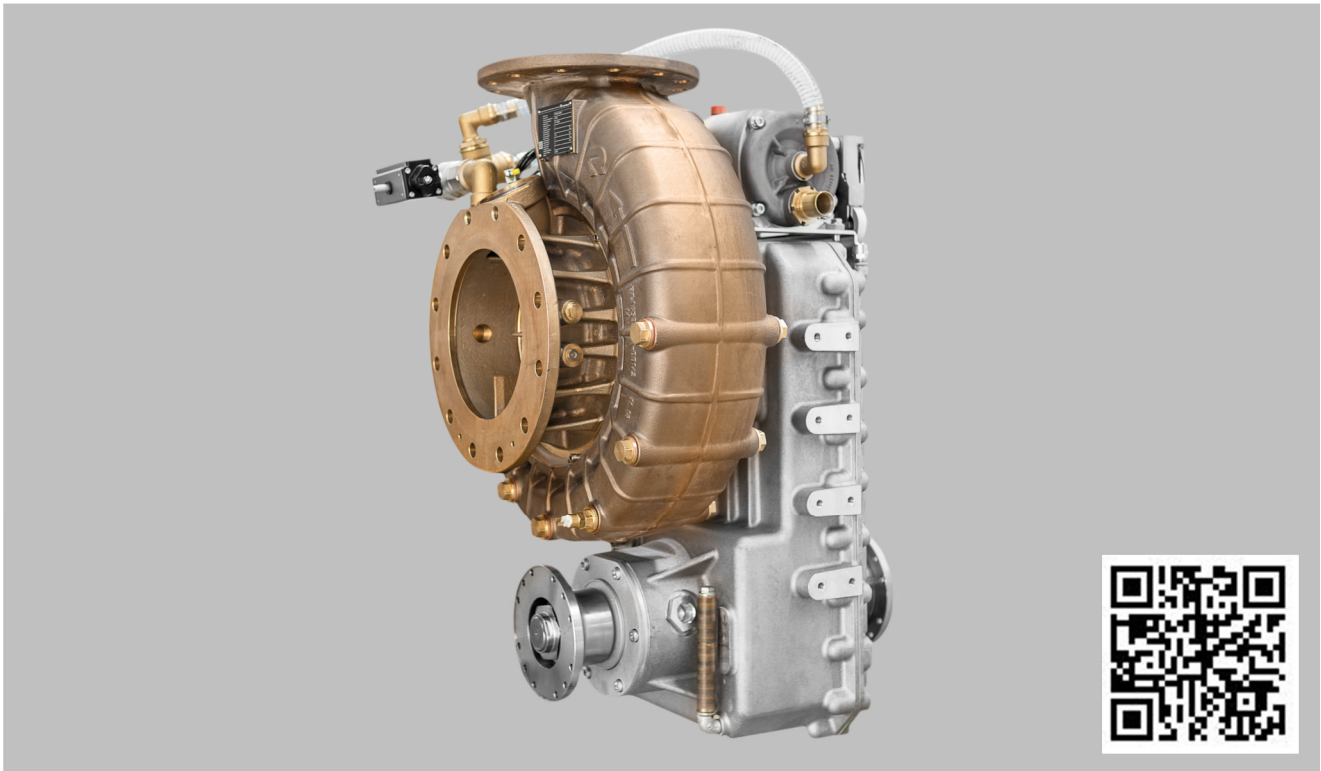


N130

Normal pressure pump



Description

The single - stage normal pressure pump N130 is the universal pump for industrial fire trucks. Water hammer when opening and closing outlets can be reduced to a minimum due to the flat pump characteristics. The on-demand balanced pressure foam proportioning system HYDROMATIC can be added as an option. This system includes a Rosenbauer gear pump with up to 1,200 lpm (300 gpm) foam flow at 17 bar (250 psi). Also the electronically regulated around-the-pump foam system FOAMATIC E is available for this pump.

Benefits

High performance

- normal output according NFPA 1901:
13,300 lpm (3,500 USgpm) at 6.9 bar (100 psi) and 1.8 m (6 ft) suction height (suction lines: 4x DN150)
- maximum suction performance: 13,000 lpm (3,435 gpm) at 10 bar (145 psi) and 3 m (9.8 ft) suction height (suction lines: 6x DN150)
- maximum performance in feeding operation: up to 20,000 lpm (5,285 gpm) with an inlet pressure of at least 4 bar (58 psi) on the inlet manometer of the pump

Marginal water hammer during opening and closing of outlets

- due to flat pump characteristic

High efficiency

High operational safety

- pump gear-box and piston priming pump run in oil bath
- maintenance-free mechanical seal

Contamination insensitive

Different drive possibilities (according the requirements)

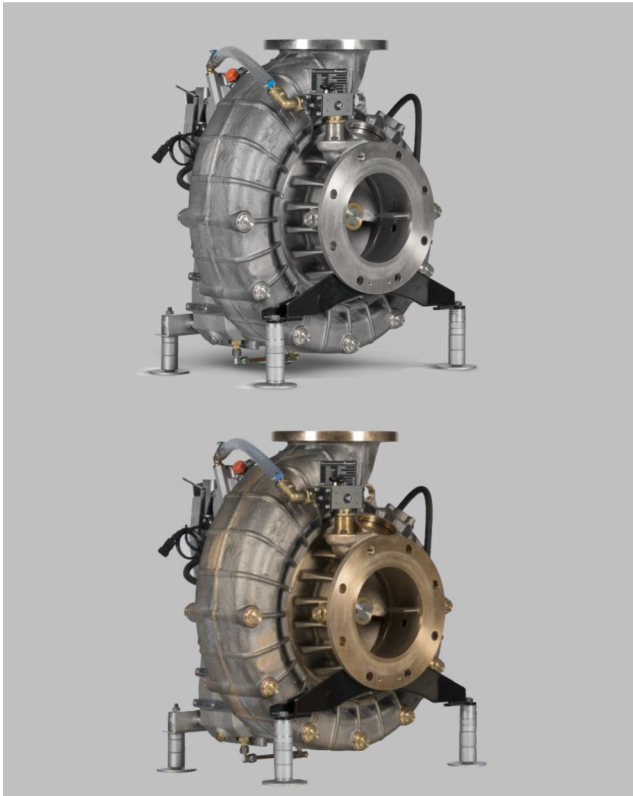
- split-shaft drive - pump directly mounted for midships application
- gear box RGB182 for rear - mount application (w/ split-shaft mounted midships)

Options

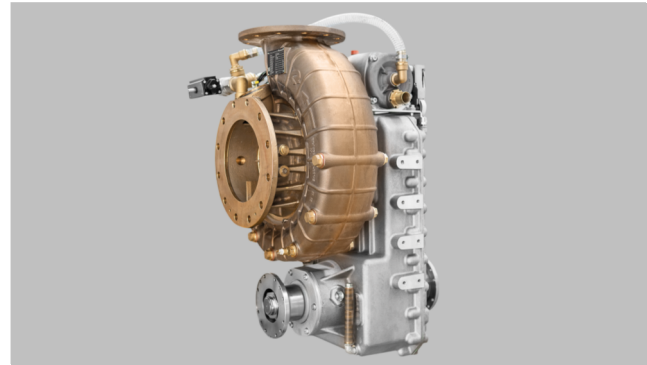
- high pressure pump H5 - mounted on the opposite side of the split shaft gear box or on the gear box RBG182
- pump pressure governor
- double acting piston priming pump KAP600E with automatic priming
- pump module with on-demand balanced pressure foam system HYDROMATIC (up to 1,200 lpm/ 300 gpm)
- FOAMATIC E: electronic regulated around-the pump foam proportioning system

N130

Normal pressure pump



Available materials: corrosion resistant light alloy or gunmetal/bronze



N130 pump with split-shaft gear box RSG 450 and double acting piston priming pump KAP600E



Option: HYDROMATIC 1200 balanced pressure foam system with a gear pump of up to 1,200 lpm (300 gpm)

Technical Data

Normal pressure	single-stage centrifugal pump
Performance Normal Pressure	nominal output according NFPA 1901: 13,300 lpm (3,500 USgpm) at 6.9 bar (100 psi) with 1.8 m (6 ft) suction height (with 4x DN150 (4x 6") suction hoses) ** Maximum suction performance: up to 13,000 lpm (3,435 gpm) at 10 bar (145psi) with 3 m (9,8ft) suction height (with 6x DN150 (6") suction hoses)
Performance in feeding operation	up to 20,000 lpm (5,285 gpm) with an inlet pressure of at least 4 bar (58 psi) on the pump inlet manometer (with the N130 water pump engaged)
High pressure stage (HP)	optional: 4-stage centrifugal pump, driven by a belt (gear box RGB182) or directly mounted (Split-Shaft gear box RSG450) up to 500 lpm (130 USgpm) at 40 bar (600 psi)
Material	corrosion resistant light alloy - anodized (option: gunmetal/bronze), pump shaft made out of stainless steel
Sealing	maintenance-free mechanical seal
Priming pump	optional: double acting piston pump KAP600E- driven via a belt from the pump shaft (can be disengaged)
Performance priming pump	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%
Foam systems	optional: HYDROMATIC on-demand balanced pressure foam proportioning system (up to 1,200 lpm/ 300gpm) or FOAMATIC E - electronic regulated foam proportioning system, either 3 steps or infinite adjustable

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

**) higher pressure or higher suction height possible with more suction hoses (suction height always measured from the pump axis)

Contact

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