

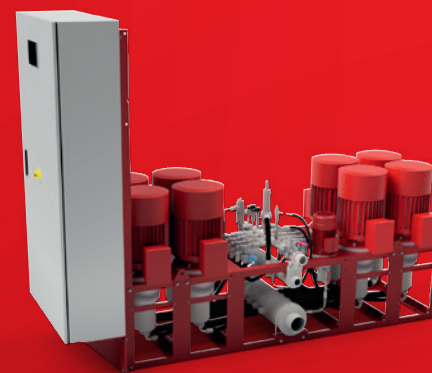


Danfoss **pump...**

Probably the best pump in the world

- World's lightest & most compact high-pressure pump
- Multi-axial piston pump in resistant stainless steel
- Uses water as lubricant
- Maintenance-free
- No corrosion

The "beating heart" in the SEM-SAFE® high-pressure water mist pump unit for fire safety



- Small footprint
- Easy installation & service
- Modular pump unit
- Low total cost of ownership
- Optimised performance

SEM-SAFE®

Danfoss Fire Safety A/S
www.semsafe.danfoss.com

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How does the Danfoss high-pressure pump work

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Fewer moving parts, less to wear out

The pump's only seal is on the mechanical shaft. No belts, no stacks. Simpler construction means simpler maintenance schedules and less downtime.

Traditional suction/pressure valves and membranes are replaced by a simple port and valve plate – further reducing pump complexity and maintenance worries.

Advanced design

Danfoss's patented ball and socket design improves pump performance and efficiency.



No oil lubrication or troublesome lube schedules

Extreme precision and tight tolerances make a self-lubricating construction possible where the pumped medium provides all necessary lubrication.

Pulsations reduced

Axial piston design replaces traditional crankshafts with a unique swash plate that features 5 to 9 rotating pistons which reduce flow pulsations to as low as 1.5%.

Constant flow at the range you need

Positive displacement ensures constant flow regardless of pressure variations. Wide flow ranges are available with Danfoss VFDs.