

Etaline / Etaline-R – In-line Pumps



Etaline

Applications:

- Air-conditioning systems
- Cooling circuits
- Heating systems
- Water supply systems
- Industrial recirculation systems
- Heat recovery systems
- Service water supply systems
- District heating and cooling

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ksb.us.com



Etaline-R

Etaline / Etaline-R – In-line Pumps

Excellent energy efficiency

- Advanced hydraulic system with high efficiencies: As standard, the impeller diameter is trimmed to match the duty point.
- Smooth casting surfaces of the pump hydraulic system, free from casting residues.
- ErP Directive (MEI ≥ 0.4): Exceeds minimum requirements.

Reliable operation

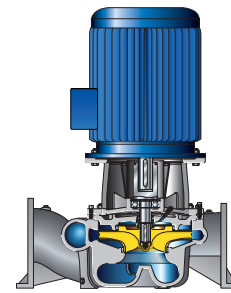
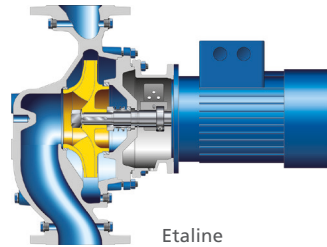
- Pump hydraulic system with low NPSH values and optimum suction characteristics.
- Confined volute casing gasket.
- Fluid temperature: -22 to 284° F.
- Bearing bracket lantern with intermediate bearing; no reinforced motor bearings necessary (Etaline-R).

Variant diversity

- Impeller available in grey cast iron and, optionally, in tin bronze (CC480K-GS) or stainless steel (1.4408). With these material variants, Etaline covers all applications in heating and cooling supply systems.
- Numerous standardized mechanical seals (EN 12756) available as standard (7 versions for Etaline, 5 versions for Etaline-R, cartridge seal in short design).
- Flanges to EN 1092-2 PN16 / PN25 (Etaline-R) as standard and (optionally) drilled to ASME B16.1, Class 125

Ease of service

- Replaceable casing wear rings (discharge side and suction side).
- Replaceable shaft sleeves.
- Fast availability of spare parts.



Etaline / Etaline-R materials

Casing	Grey cast iron EN-GJL-250 / A 48 Cl. 35B, nodular cast iron EN-GJS-400-18-LT (Etaline-R)
Casing cover	Grey cast iron EN-GJL-250 / A 48 Cl. 35B, nodular cast iron EN-GJS-400-18-LT (Etaline-R)
Impeller	Grey cast iron EN-GJL-250 / A 48 Cl. 35B, tin bronze CC480K-GS, stainless steel 1.4408
Shaft	Tempered steel C 45, Stainless steel 1.4571 / 1.4057 (Etaline-R)
Drive lantern	Grey cast iron EN-GJL-250 / A 48 Cl. 35B

Technical data (60 Hz)	Etaline	Etaline-R
Flow rate, single-pump operation	Up to 3,740 gpm	Up to 8,360 gpm
Head	Up to 459 ft.	Up to 318 ft.
Fluid temperature	-22° F to 284° F	
Operating pressure	Up to 232 psi	Up to 362 psi
Nominal size	1.25 to 8"	6 to 14"



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