

Etaline / Etaline-R / Etaline Z – In-line Pumps



Etaline with KSB SuPremE® IE5 motor*, PumpMeter and PumpDrive Eco

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

More information: www.ksb.com



Etaline-R



Etaline Z with KSB SuPremE® IE5 motor*,
PumpMeter and PumpDrive Eco

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Excellent energy efficiency

- Advanced hydraulic system with high efficiencies:
As standard, the impeller diameter is trimmed to match the duty point.
- Intelligent pump monitoring with KSB's PumpMeter (optional)
- Intelligent variable speed system with KSB's PumpDrive and KSB SuPremE® motor: energy savings of up to 60 percent
- Smooth casting surfaces of the pump hydraulic system, free from casting residues
- ErP Directive (MEI ≥ 0.4): Minimum requirements are exceeded by far.

Reliable operation

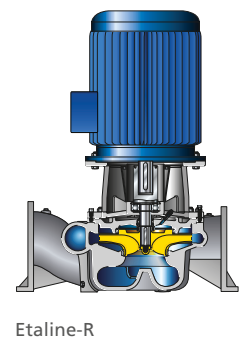
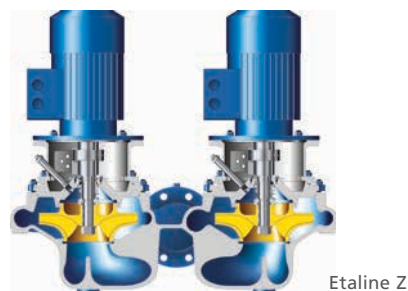
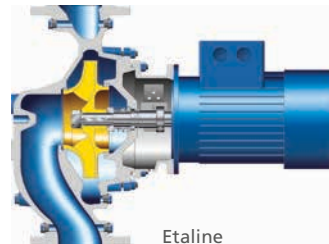
- Pump hydraulic system with low NPSH values and optimum suction characteristics
- Confined volute casing gasket
- Fluid temperature: -30 to 140 °C
- Bearing bracket lantern with intermediate bearing: no reinforced motor bearings necessary (Etaline-R)

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 standardised mechanical seals (EN 12756) available as standard (7 versions for Etaline / Etaline Z, 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
- Service available worldwide
- Fast availability of spare parts



Etaline / Etaline-R / Etaline Z 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 (50 Hz)	Etaline	Etaline-R	Etaline Z
Flow rate, single-pump operation	Up to 700 m³/h	Up to 1900 m³/h	Up to 602 m³/h
Flow rate, parallel operation	–	–	Up to 1095 m³/h
Head	Up to 95 m	Up to 97 m	Up to 38.5 m
Fluid temperature	-30 °C to +140 °C		
Operating pressure	Up to 16 bar	Up to 25 bar	Up to 16 bar
Nominal size	DN 32 to 200	DN 150 to 350	DN 32 to 200

*IE5 in accordance with IEC/TS 60034-30-2 up to 15/18.5 kW (for 1500 rpm models rated 0.55 kW, 0.75 kW, 2.2 kW, 3 kW, 4 kW only: IE5 in preparation)



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