

CORROSION RESISTANT CERAMIC PUMPS

High Thermal Stability • High Abrasion Resistance • High Mechanical Strength

WHERE CORROSION IS NOT AN OPTION



Sodium Hypochlorite

Hydrochloric Acid

Sulphuric Acid

Spent Acids

Mixed Acids

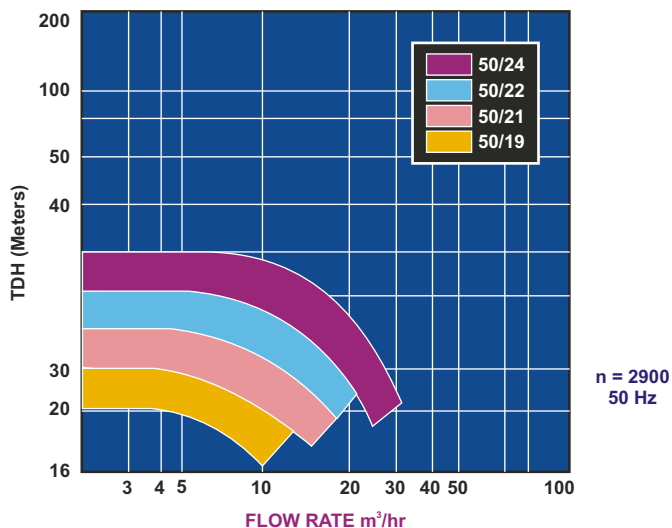
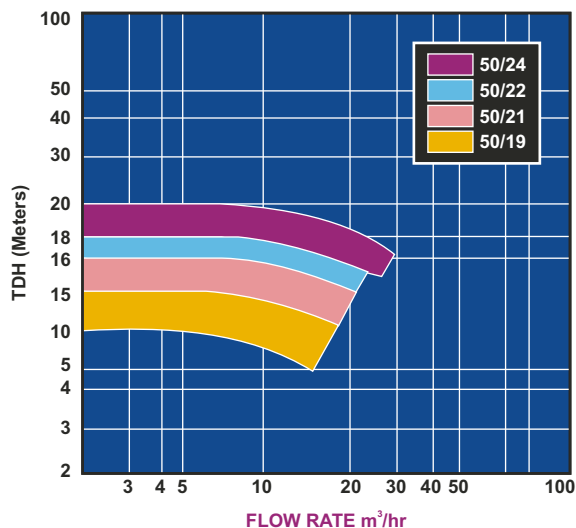
Effluents

Alkalis



Daybreak Technologies
Liquid Engineering Solutions

FAMILY CURVES DB-CE 50 SERIES

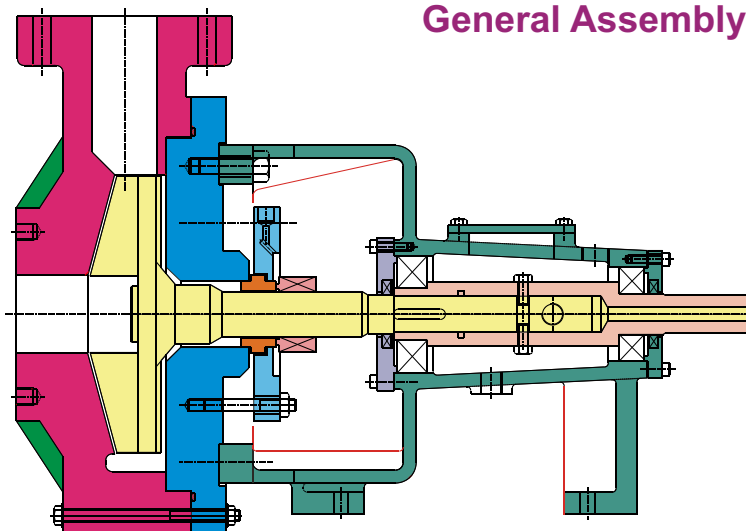


Daybreak LES Design Advantages

Solid molded spare parts of wear-resistant Ceramic provides durable defense against corrosive environments. "Joint-less, no metal parts in contact area ensures fully corrosion resistance atmosphere.

- All - Ceramic continuous strand, thermoset construction.
- No separate liner concern.
- Integral molded single piece shaft impeller.
- No separate impeller lock nut and gasket.
- No need of separate shaft sleeve.
- Modular design for component inter-changeability.
- Back pull-out for easy maintenance.
- Chemical resistant solid Ceramic construction.
- Choice of specialised Teflon Below Mechanical Seal with different face combination with Hastelloy Hardware.

General Assembly



SELECTION GUIDELINES

APPLICATION	MATERIAL GRADE	EPN	GRP
ACID ACETIC		●	
ACID ACETIC ANHYDRIDE		●	
ACID AMINO SULPHURIC		●	
ACID BENZOIC		●	
ACID BORIC		●	
ACID BUTYRIC		●	
ACID CHLORO ACETIC		●	
ACID CHLORO SULPHONIC		●	
ACID CITRIC		●	
ACID FATTY		●	
ACID FLUO SILICIC			●
ACID HYDRO BROMIC			●
ACID HYDRO CHLORIC		●	
ACID HYDRO CYANIC			●
ACID HYDRO FLUORIC			●
ACID MIX		●	

APPLICATION	MATERIAL GRADE	EPN	GRP
ACID NITRIC (<20%)		●	
ACID SULPHURIC (0-98%)		●	
ACID STEARIC		●	
ACETALDEHYDE		●	
ALCOHOL ETHYL, METHYL, BENZYL		●	
BENSYLDEHYDE		●	
CARBON TETRA CHLORIDE			●
CHLORO ACETIC ACID			●
CHOLRINE (WET)		●	
DYE LIQUOR		●	
FERRIC CHLORIDE		●	
HYDROGEN PEROXIDE		●	
NITRO CHLORO BENZENE		●	
SODIUM CHLORIDE		●	
SODIUM HYDROXIDE (CAUSTIC 20%)		●	
SODIUM HYPO CHLORITE SOLN		●	

Range

Capacity upto 100m³/hr
Pressure upto 10kg/cm²
Head upto 60mts MLC



Parameters

Temperature 0°C to 150°C
Specific Gravities to 1.8
Solids upto 20%

Daybreak Technologies

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