

CL Series Pumps

Product Data / Specifications

Construction Materials & Order Information

Standard design

The CL Series pump consists of a standard NEMA C-flange motor, stub shaft, mechanical compression coupling, adapter, front cover, impeller, pump casing and shaft seal.

The CL pump is designed for CIP, and is accepted as meeting the 3A sanitary standards by the appropriate committees of the International Association of Milk, Food and Environmental Sanitarians, the U.S. Public Health Service, and the Dairy Industry Committee. The 3A standard specifically covering Centrifugal Sanitary Pumps is available from the International Association of Milk, Food and Environmental Sanitarians, Inc., 320 Bluff Road, Columbia, SC 29209-3502.

Shaft seal options

DG seal

Description: external balanced seal

Seal face material: ■ Carbon (rotating) on SiC (stationary)

EG seal

Description: water cooled, balanced, double mechanical seal

Seal face material: ■ Front seal: Carbon (rotating) on SiC (stationary)

■ Rear seal: Carbon (rotating) on stainless steel (stationary)

FG seal

Description: water cooled, balanced, single mechanical and lip seal

Seal face material: ■ Rotating seal: Carbon (rotating) on SiC (stationary)

■ Lip seal: PTFE

Materials of construction

Product contact surfaces: 316L stainless steel

Stuffing box

(EG & FG seals only): 316L stainless steel

Finish: 32 Ra

Elastomers: EPDM rubber

Adapter: Cast iron

Technical data

Fittings: Tri-Clamp® (inlet and outlet)

Legs: A leg assembly is supplied as standard for all pumps supplied with motors up to frame size 280

Maximum inlet pressure: 145 psi (10 bar)

Temperature range: 14°F to 284°F (-10°C to +140°C)

Noise level (at three feet): 60-80 dB (A)



CSI

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Flushed seal:

EG Seal

Water pressure: Normally atmospheric - maximum 145 psi (10 bar)

Water consumption: 4-8 gph (0.25 l/min)

FG Seal

Water pressure: Normally atmospheric - maximum 14.5 psi (1 bar)

Water consumption: 4-8 gph (0.25 l/min)

Note: for WFI applications, no seal flush water cooling is required for service up to 200°F (93°C).

Shaft seal options: SiC on rotating shaft seal
SiC on stationary rear seal (EG only)

Materials of construction

Adapter: Unpolished stainless steel

Polished stainless steel

Finish: Industrial finish
20 Ra

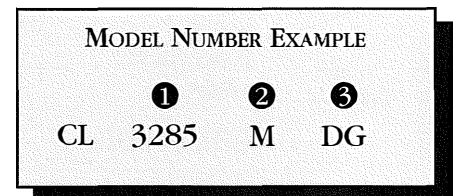
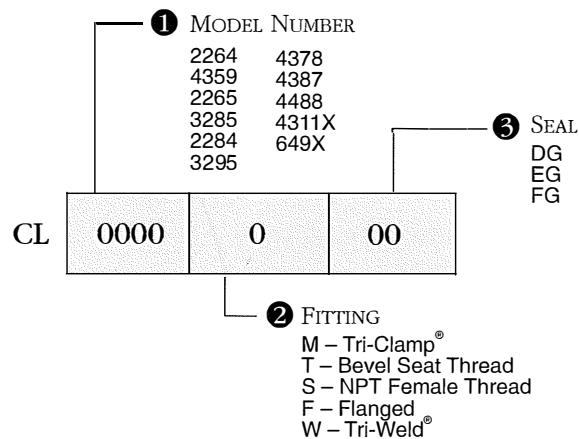
Elastomers: Buna N
SFY (fluoroelastomer)
PTFE encapsulated SFY

Fittings: Bevel seat thread
NPT female thread
Flanged

Inlet connection size: An option for
6" inlet exists on
model 4488 ONLY

Order Information

Product
Numbering
System



Printed in U.S.A.