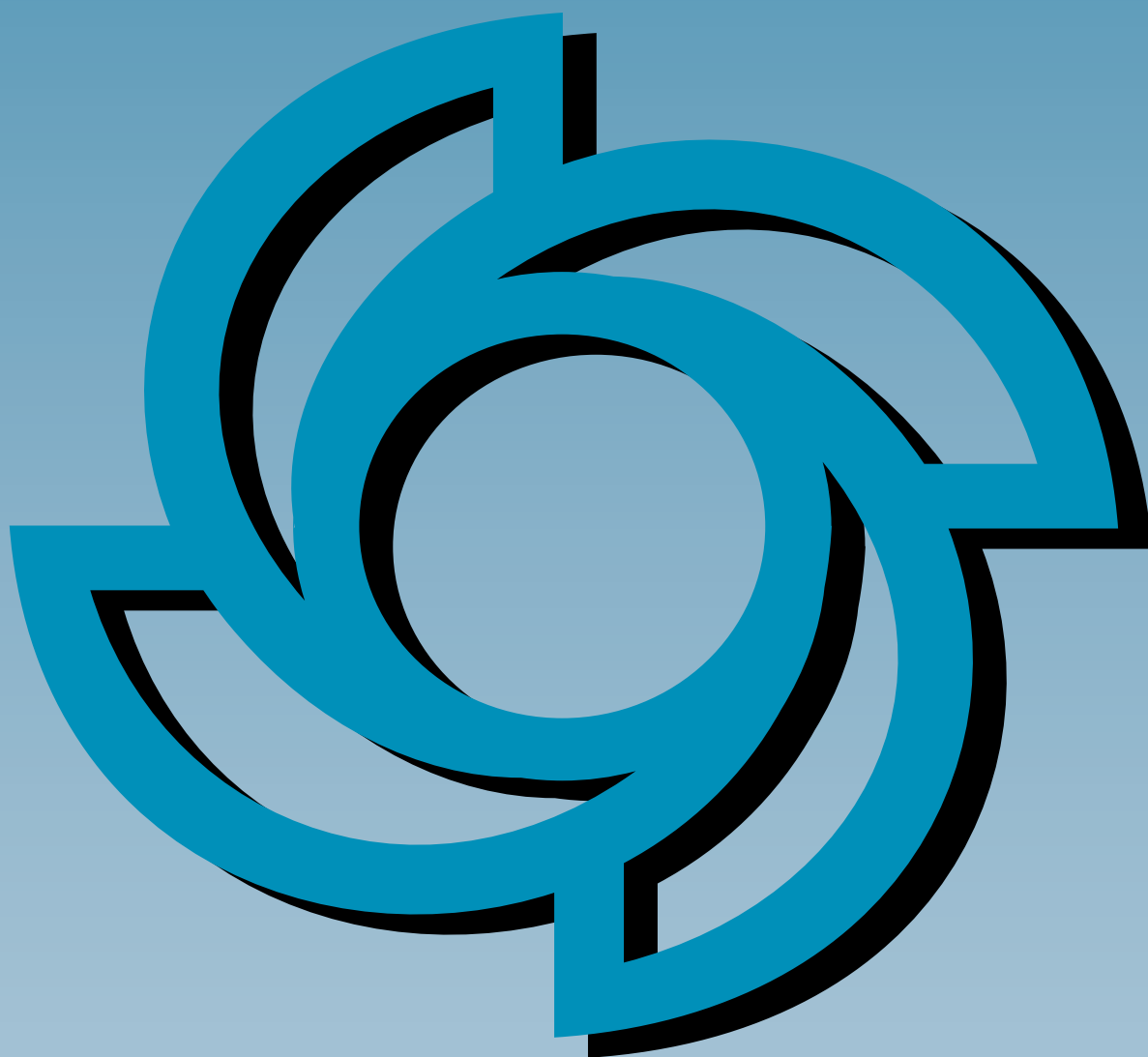
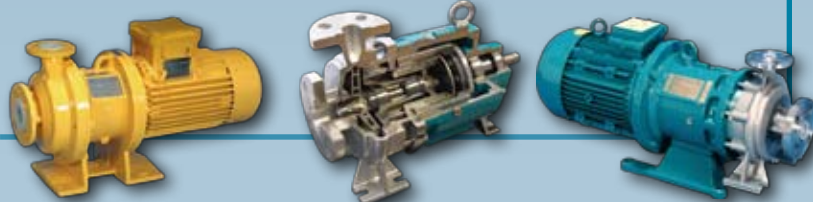




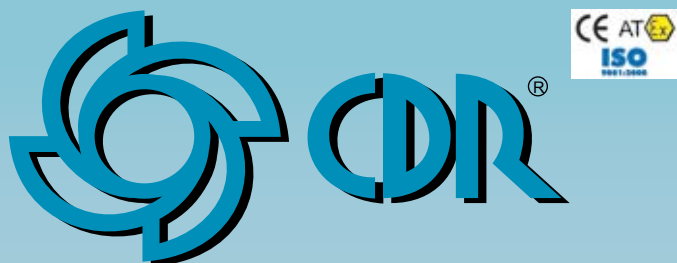
Industrial-process centrifugal pumps



www.cdrpompe.com



general brochure



CDR pumps - Innovative thinking since the early 60s

The origins of CDR pumps date back to the early 60s with the manufacture of cast-iron pumps for all types of domestic, agricultural and industrial use. In the 70s, a developing market demanded new and increasingly-sophisticated materials and CDR Pompe began manufacturing stainless-steel and special-alloy pumps.

The next stage was the manufacture of new horizontal centrifugal pumps for the chemical sector complying with standard DIN 24256 (now known as EN 22858). 1978 witnessed a significant technical breakthrough: the advent of thermoplastic and metal magnetic drive pumps. This new range of products has allowed CDR to grow on both domestic and international markets and helped establish a solid reputation as a specialist manufacturer of centrifugal pumps for chemical, pharmaceutical and petrochemical applications.

Ongoing research and technical development of innovative solutions is still the driving force behind our organisation. CDR currently offers a wide range of thermoplastic and steel pumps with both magnetic drive and standard mechanical seal.

Worldwide distribution

The international distribution network has steadily grown since the 80s.

CDR quality

The CDR pump is used to process hazardous liquids. The aim is to offer the safest and most environmentally-friendly solution for handling these fluids. Most CDR products meet the requirements of ATEX Directive 94/9/EC, group II/category 2G for use in potentially explosive atmospheres. All CDR pumps have CE marking and are supplied with comprehensive maintenance manual.



Fields of use

Chemical storage

Loading and unloading a range of hazardous and non-hazardous chemicals inside tank farms.

Galvanising

Filling, emptying, circulation and regeneration of acid baths used for coating metals (sulphuric and hydrochloric acid, caustic soda, chlorides).

Food industry

Unloading tankers and feeding chemicals used to disinfect production lines (nitric and hydrochloric acid, sodium hypochlorite, caustic soda).

Water and air treatment and purification

Handling of reagents used in physicochemical purification plants. Regeneration of ion-exchange resins used to produce demineralised water. Fume scrubbing and odour-control towers (hydrochloric and sulphuric acid, iron chloride, hydrogen peroxide, sodium hypochlorite, caustic soda).

Biofuels

Handling biodiesel and the by-products of processed vegetable oils.

Chemical and pharmaceutical industry

Handling of chemicals such as acids, bases, alkalis, solvents and hydrocarbons normally used in chemical and pharmaceutical processes.

Petrochemical industry

Handling of the most common organic and inorganic chemicals used as service fluids.

Paper industry Filling, draining and circulation of chemicals used during paper bleaching (hydrochloric and acetic acid, aluminium sulphate, sodium hypochlorite, caustic soda).

Textiles

Filling, draining and circulation of chemicals used during finishing operations such as bleaching, mercerising and dyeing (hydrochloric acid, sodium hypochlorite, caustic soda, special colouring agents).

Tanning industry Handling of chemicals most commonly used in the various stages of the tanning process (acetic, sulphuric and hydrochloric acid, caustic soda, copper sulphate solution).



STN_{4/6/10}

Magnetic drive centrifugal pumps

Materials
Seal
Flow rate
Head
Electric motors
Temperature limit
Viscosity

PP or PVDF
Magnetic Drive
10 m³/hr
13 m
from 0,12Kw to 0,55Kw
from 0°C to 80°C
200 cSt

**STN**_{30/40}

Magnetic drive centrifugal pumps

Materials
Seal
Flow rate
Head
Electric motors
Temperature limit
Viscosity
ATEX (only ETFE)
FTC

PP or ETFE
Magnetic Drive
24 m³/hr
24 m
from 0,75Kw to 4Kw
from 0°C to 80°C
400 cSt
II2G
Dry-run technology

**ETN**

Lined magnetic drive centrifugal pumps

Materials
Seal
Flow rate
Head
Electric motors
Temperature limit
Viscosity
ATEX
ILS
FTC

PP or ETFE
Magnetic Drive
55 m³/hr
34 m
from 0,75Kw to 7,5Kw
from -15°C to 90°C
400 cSt
II2G
Integral Lining System
Dry-run technology

**UTN-BL**

Lined magnetic drive centrifugal pumps

Materials
Seal
Flow rate
Head
Electric motors
Temperature limit
Viscosity
ATEX
ILS
Inlet outlet port

PP, PVDF or PFA
Magnetic Drive
65 m³/hr
65 m
from 0,75Kw to 18,5Kw
from -15°C to 120°C
400 cSt
II2G
Integral Lining System
ISO 2858

**UTN-L**

Lined magnetic drive centrifugal pumps

Materials
Seal
Flow rate
Head
Electric motors
Temperature limit
Viscosity
ATEX
ILS
Inlet outlet port
Standard

PP, PVDF or PFA
Magnetic Drive
65 m³/hr
65 m
from 0,75Kw to 30Kw
from -15°C to 120°C
400 cSt
II2G
Integral Lining System
ISO 2858
DIN 24256 (EN22858)

**HTN**

Magnetic-drive regenerative turbine pump

Materials
Seal
Flow rate
Head
Electric motors
Temperature limit
Viscosity
ATEX

PP or PVDF
Magnetic Drive
6 m³/hr
75 m
from 0,75Kw to 5,5Kw
from -15°C to 80°C
200 cSt
II2G



UCN-BL

Lined centrifugal pumps with mechanical seal

Materials
Seal
Flow rate
Head
Electric motors
Temperature limit
ATEX
ILS
Inlet outlet port

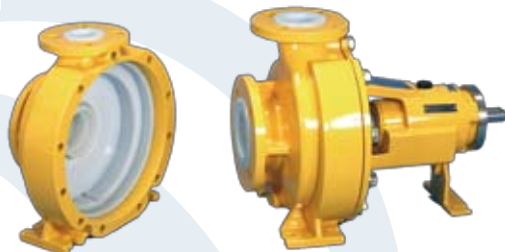
PP or PFA
Single, double and cartridge mechanical
80 m³/hr
65m (closed, vortex and radial impeller)
from 1,1Kw to 18,5Kw
from -15°C to 120°C
II2G
Integral Lining System
ISO 2858

**UCN-L**

Lined centrifugal pumps with mechanical seal

Materials
Seal
Flow rate
Head
Electric motors
Temperature limit
ATEX
ILS
Inlet outlet port
Standard

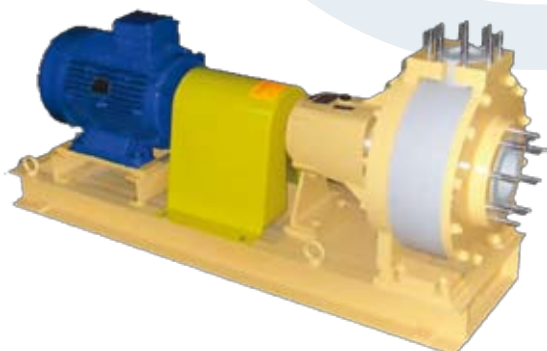
PP or PFA
Single, double and cartridge mechanical
80 m³/hr
65m (closed, vortex and radial impeller)
from 0,75Kw to 30Kw
from -15°C to 120°C
II2G
Integral Lining System
ISO 2858
DIN 24256 (EN22858) ISO 5199

**CCN**

Non-metallic centrifugal pumps with mechanical seal

Materials
Seal
Flow rate
Head
Electric motors
Temperature limit
Inlet outlet port
Standard

PP or PVDF
Single, double and cartridge mechanical
300 m³/hr
100
from 0,75Kw to 45Kw
from -15°C to 90°C (PVDF)
ISO 2858
DIN 24256 (EN22858)

**CVN-L**

Vertical-shaft centrifugal pumps

Materials
Seal
Max pump length
Flow rate
Head
Electric motors
Temperature limit
Viscosity

PP or PVDF
Lip Seal (Upon request liquid seal)
3m
100 m³/hr
64 m
from 1,1Kw to 18,5Kw
from -10°C to 50°C (PVDF)
400 cSt



FC SEALS

A SOLUTION FOR DIRTY LIQUID APPLICATIONS

The pumped liquid is directed towards the external of the seal itself that, in this way, remains clean and free from solid particles. Wear parts made in SiC, offering max. abrasion and corrosion resistance, no metallic component in contact with pumped liquid and wide available sealing options make the FC mechanical seal series the optimal solution for almost the entire application range:

FC35/FC50 single mechanical seal: a price affordable solution for less critical and hazardous media

FC35/FC50 with quench **API PLAN 01/62**: for media that tend to crystallize on contact with air or tend to sediment.

FC-TC-35 double cartridge mechanical seal, **API PLAN 53 & 54**, with pressurised liquid barrier for most demanding and environmentally hazardous conditions. Equipped with pumping ring to help recirculation in the flushing barrel. Exclusive design to minimize maintenance times.

CDR Double Cartridge

Seal FC-TC-35



CDR FC35/FC50
Mechanical Seal

ETS

Magnetic drive centrifugal pumps

Materials
Seal
Flow rate
Head
Electric motors
Temperature limit
Viscosity
ATEX
LSC
Inlet outlet port

Precision-cast in AISI 316L (Hastelloy-C optional)
Magnetic Drive
60 m³/hr
64 m
from 1,1Kw to 7,5Kw
from -30°C to 140°C
450 cSt
II2G
Linear Spring Compensation
ISO 2858

**UTS-B**

Magnetic drive centrifugal pumps

Materials
Seal
Flow rate
Head
Electric motors
Temperature limit
Viscosity
ATEX
LSC
Inlet outlet port

Precision-cast in AISI 316L (Hastelloy-C optional)
Magnetic Drive
180 m³/hr
100 m
from 1,1Kw to 18,5Kw
from -30°C to 180°C
450 cSt
II2G
Linear Spring Compensation
ISO 2858

**UTS**

Magnetic drive centrifugal pumps

Materials
Seal
Flow rate
Head
Electric motors
Temperature limit
Viscosity
ATEX
LSC
Inlet outlet port
Standard

Precision-cast in AISI 316L (Hastelloy-C optional)
Magnetic Drive
320 m³/hr
140 m
from 1,1Kw to 7,5Kw
from -30°C to 320°C
450 cSt
II2G
Linear Spring Compensation
ISO 2858
DIN 24256 (EN22858)

**HTS**

Magnetic drive regenerative turbine pumps

Materials
Seal
Flow rate
Head
Electric motors
Temperature limit
Viscosity
ATEX

Precision-cast in AISI 316L (Hastelloy-C optional)
Magnetic Drive
5 m³/hr
160 m
from 0,75Kw to 7,5Kw
from -30°C to 140°C
200 cSt
II2G

**UCS-B**

Centrifugal pumps with mechanical seal

Materials
Seal
Flow rate
Head
Electric motors
Temperature limit
ATEX
Inlet outlet port

Precision-cast in AISI 316L (Hastelloy-C optional)
Single, double and cartridge mechanical
80 m³/hr
65 m
from 1,5Kw to 18,5Kw
from -30°C to 180°C
II2G
ISO 2858

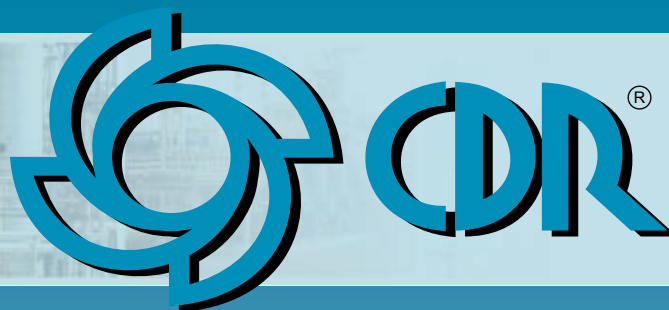
**UCS**

Centrifugal pumps with mechanical seal

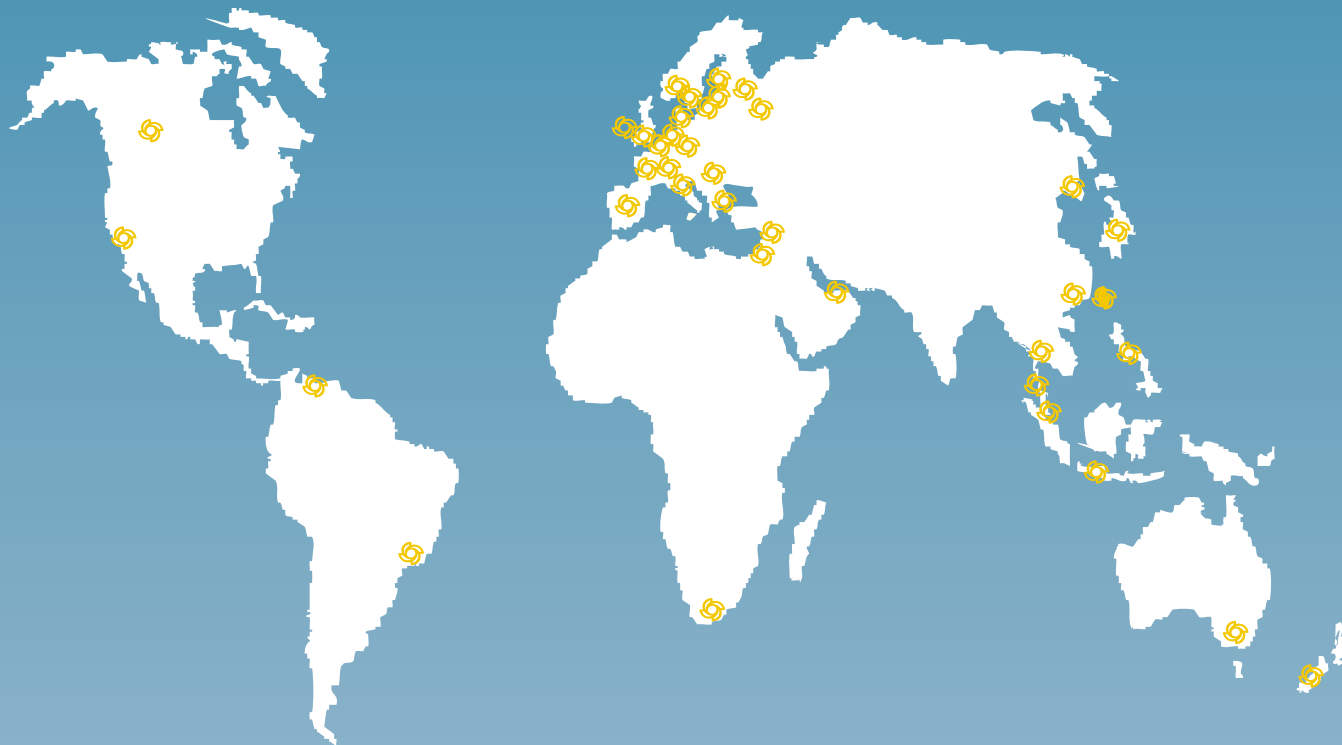
Materials
Seal
Flow rate
Head
Electric motors
Temperature limit
ATEX
Inlet outlet port
Standard

Precision-cast in AISI 316L (Hastelloy-C optional)
Single, double and cartridge mechanical
80 m³/hr
65 m
from 0,75Kw to 30Kw
from -30°C to 200°C
II2G
ISO 2858
DIN 24256 (EN22858) ISO 5199






**CDR pumps are distributed in more than 30 countries all over the world.
For up-to-date information, please visit our website**



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