

XTN-BL / XTN-L

Lined magnetic drive process centrifugal pump for suspended solids

XTN-BL closed coupled



For fluids with organic solids,
chemical precipitations and
suspensions

New mag-driven pump
suitable for dirty liquids



XTN-L bare shaft

PFA Fluoroplastic Lined Magnetic drive Horizontal - Single Stage - Centrifugal pumps

MAIN ADVANTAGES:

Zero leakage thanks to magnetic driven execution

Reduced cost of installation: no double mechanical seals and external flushing system

No process contamination with external flushing fluid, when double mechanical seals fail



Comply to :
2006/42/CE

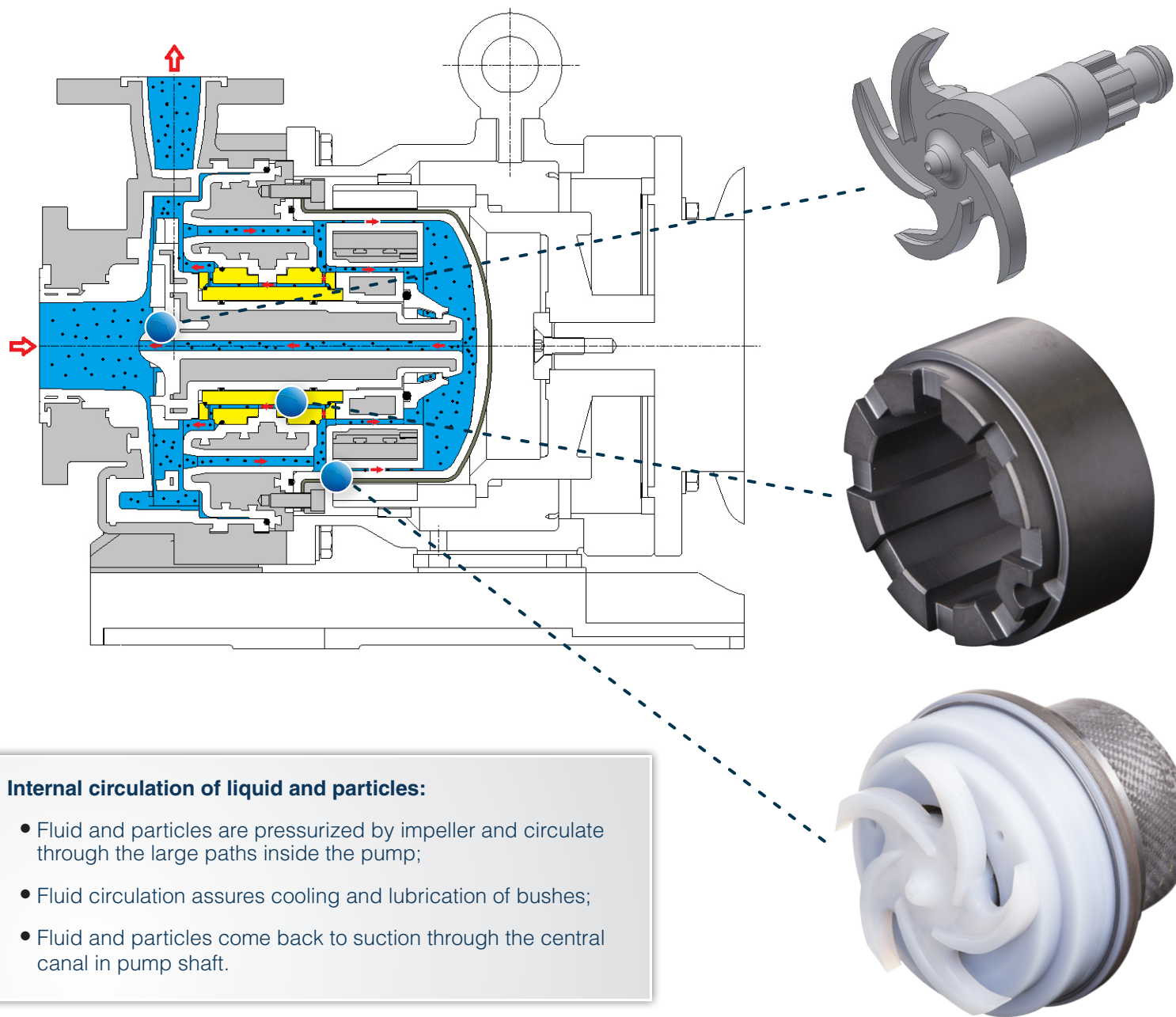
Design to : ISO 2858
ISO 15783

ATEX 100 
Directive 2014/34/EU

Flanged
UNI 1092-2 (ISO 7005-2)
PN16RF type B
slotted ANSI 150RF



XTN pump concept



Open impeller:

Extremely low axial thrust, resulting in low mechanical solicitations of bushes. Suitable for solid particles. It centrifuges soft particles agglomerates.

Rotating shaft:

Integrated in one piece with the impeller, without joints, weldings or threaded connections. SS core lined in PFA. No risks in case of wrong rotation.

Bushes:

Executed in diamond coated SSIC, with generous canal for optimal circulation of liquid and particles. Diamond coating protects bushes in case of short dry run.

Isolation shell:

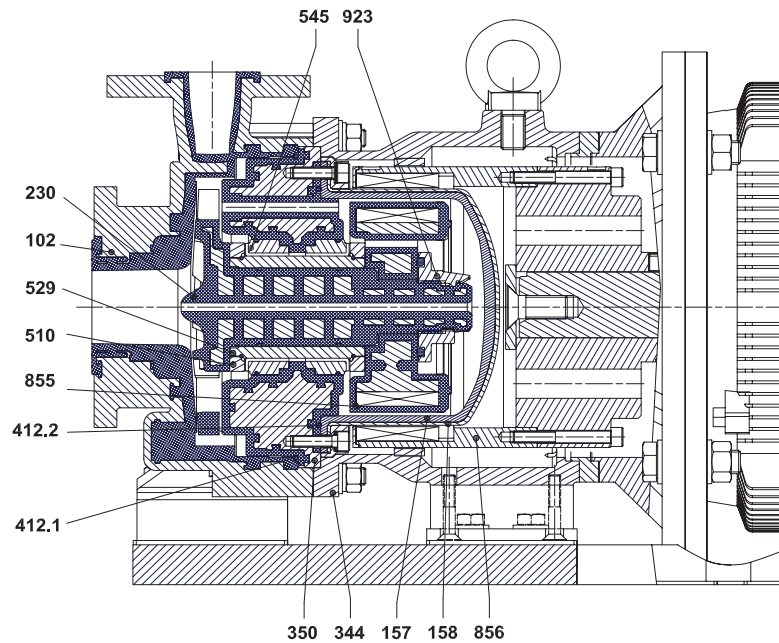
Executed in 2 pieces: PFA in touch with the fluid. External reinforcement in carbon fiber to assure mechanical strength.

Internal circulation of liquid and particles:

- Fluid and particles are pressurized by impeller and circulate through the large paths inside the pump;
- Fluid circulation assures cooling and lubrication of bushes;
- Fluid and particles come back to suction through the central canal in pump shaft.

DRAWINGS / PERFORMANCES

XTN-BL



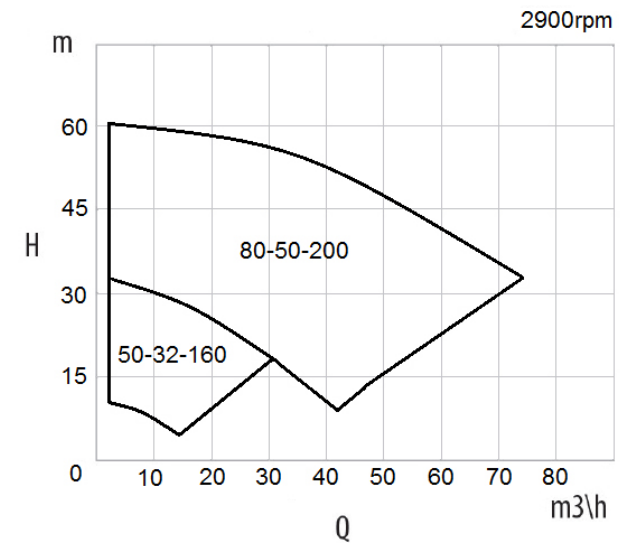
Part list

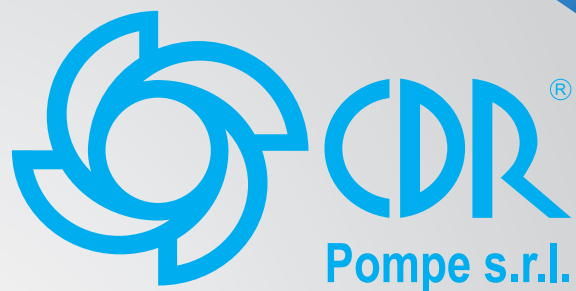
DIN	Component	Materials
102	Volute Casing	PFA lined
157	Isolation Shell	PFA
158	Isolation Shell Cover	Carbon Fiber
230	Impeller	PFA lined
344	Lantern	EN-GJS-400-15
350	Bushing Support	PFA Lined
412.x	O-Ring	FPM / FEP
510	Thrust Bearing	Run Safe Sintered SSIC
529	Bearing Sleeve	Run Safe Sintered SSIC
545	Bearing Bush	Run Safe Sintered SSIC
855	Inner Magnet	PFA Lined / NdFeB
856	Outer Magnet	EN-GJS-400-15 / Ryton / NdFeB
923	Bearing Nut	PFA

Technical Specifications

Performances 2900 rpm	Q max = 70 m ³ /h -> H max = 60 mcl
Electric Motors	0.75 kW (motor size 80) -> 18,5 kW (motor size 160)
Temperature range	-50°C up to +160°C
Allowable Pressure Range	up to 16 bar
Suction / Delivery	<ul style="list-style-type: none"> • 50-32-160 : DN50/DN32 • 80-50-200 : DN80/DN50
Flange connections	UNI 1092-2 / ISO 7005-2 PN 16, type B slotted to ASME /ANSI class 150
Viscosity	Consult factory
Allowable Solids	Consult factory

Performance fields 50Hz





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Technical Characteristics

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