# XTN-BL / XTN-L

Lined magnetic drive process centrifugal pump for suspended solids

distrimex
POMPEN & SERVICE

+31 (0)314 368 444
www.distrimex.nl

## 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

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

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

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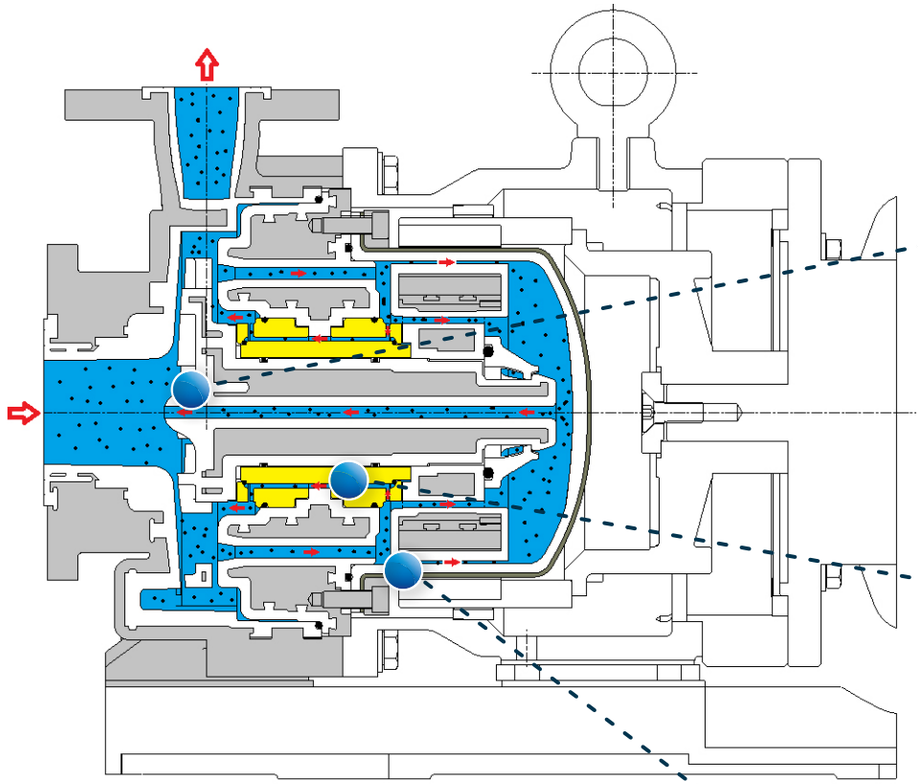
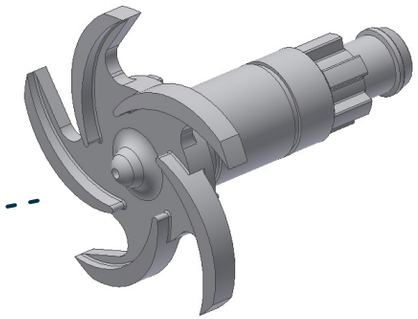
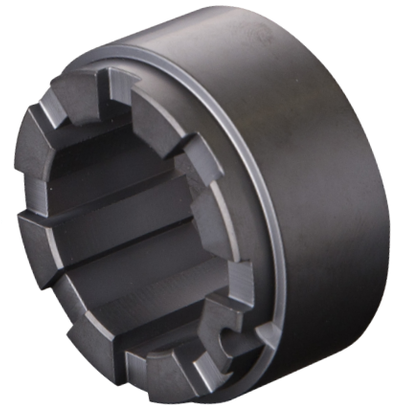
# XTN pump concept







**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.

**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.

# DRAWINGS / PERFORMANCES

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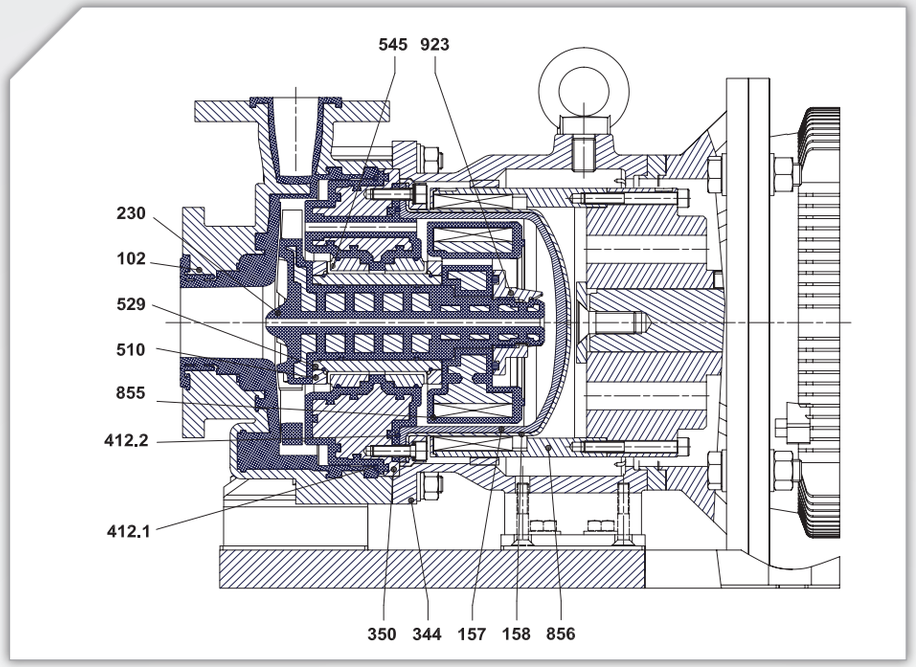
XTN-BL



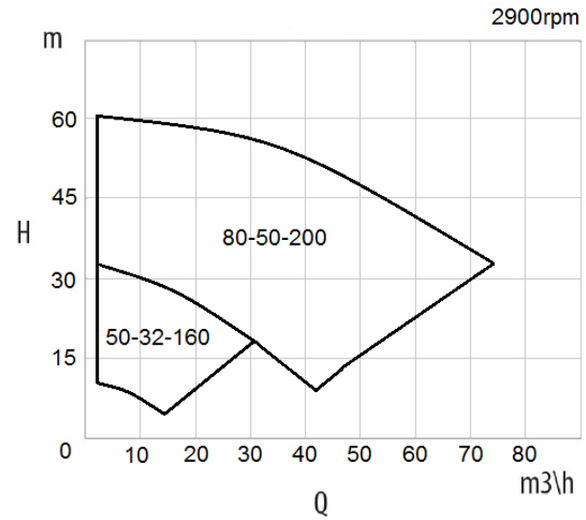

Part list

| 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 m3/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** | • 50-32-160 : DN50/DN32<br>• 80-50-200 : DN80/DN50 |
| **Flange connections** | UNI 1092-2 / ISO 7005-2 PN 16, type B<br>slotted to ASME /ANSI class 150 |
| **Viscosity** | Consult factory |
| **Allowable Solids** | Consult factory |

Performance fields 50Hz



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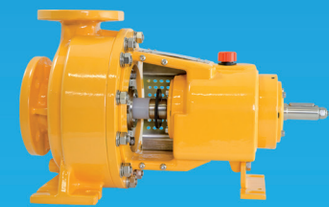

For further info, please visit:
**www.distrimex.nl**

Technical Characteristics
The technical data and characteristics stated in this General Catalogue are not binding. CDR Pompe S.r.l. reserves the right to make modifications without notice. Therefore data, dimensions, performances and any other stated issues are indicative only and not binding.