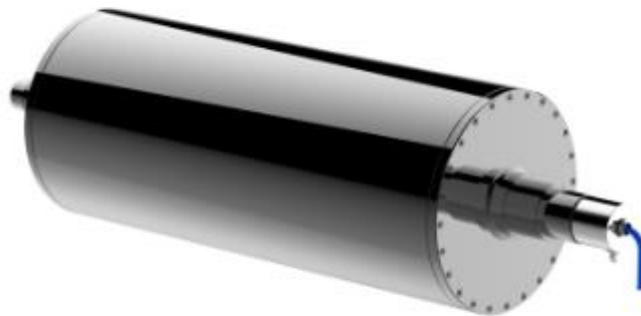


Paper calender roll (dryer)

Paper calender roll (dryer) in papermaking process, steam or thermal oil are usually used to heat rollers. However, when a high load is required, it will result in lower paper strength. LEGION® induction heating roller, with the advantage of uniform temperature, clean and energy saving, can increase the output and improve the quality, as well as solve the problem of high energy consumption and oil leakage. Alternating Magnetic flux occurs when an alternating current is provided to an induction coil. This induces an eddy current on the internal surface layer of the roller shell, and the resistance will generate heat under the eddy current. High temperature is achieved from the direct generation of heat by the roller shell itself.





造纸压光辊 Roller for Paper Calender



【规格参数】 Specification

尺寸/Dimension	Φ1000~1500mm×L1000~3000mm
温度/Temperature	max 300°C
线速度/Linear Speed	max 1000m/min
线压力/Linear Pressure	max 400kN/m
表面处理/Surface Treatment	镀硬铬/镜面 Hard-chrome plating / mirror finish

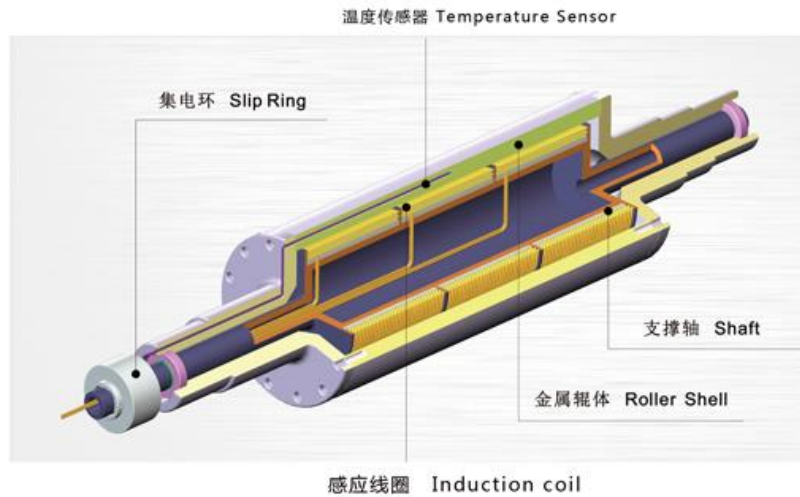
【产品描述】 Product Description

传统造纸工艺中辊筒加热通常使用蒸汽或导热油，当负载高的时候会导致纸张强度降低。联净®电磁感应加热辊因辊筒温度均匀性好、清洁、节能等优点，在提高产量与纸张强度的同时，也能改变工厂高耗能、漏油等问题。

In papermaking process, steam or thermal oil are usually used to heat rollers. However, when a high load is required, it will result lower paper strength. LEGION® induction heating roller, with the advantage of uniform temperature, clean and energy saving, can increase the output and improve the quality, as well as solve the problem of high energy consumption and oil leakage.

【应用领域】 Main Applications

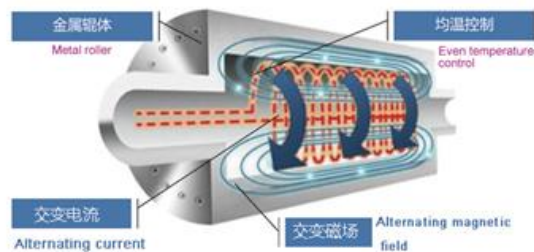
各类生活用纸	Household paper
文化用纸	Cultural paper
特种纸	Specialty paper



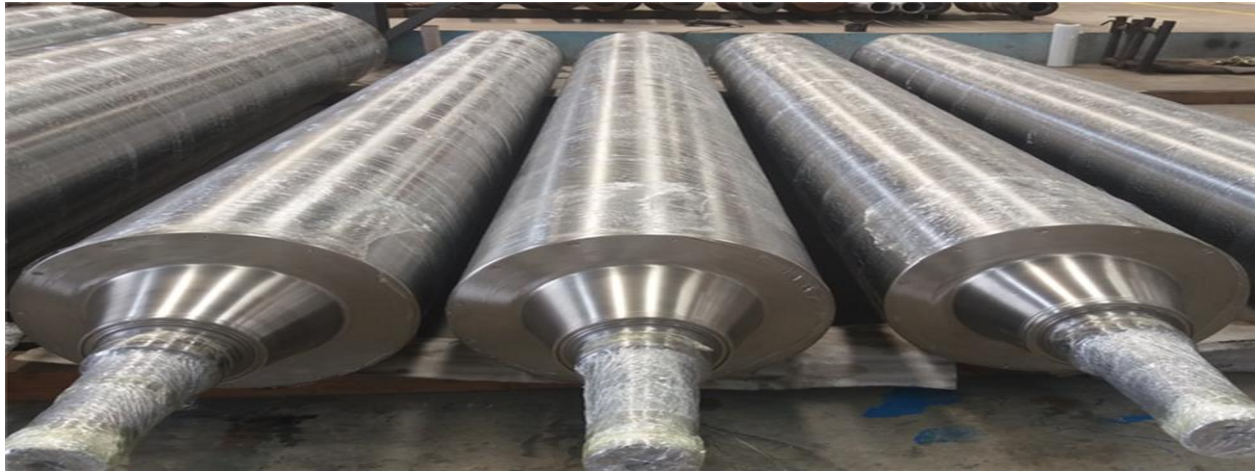
独特的能量密度分布技术，让辊筒实现高效加热的同时，表面温度均匀性可保持在 $\pm 0.5^{\circ}\text{C}$ 以内。

Special energy distribution technology is employed in LEGION® induction heating roller, which ensures uniform surface temperature with a deviation of $\pm 0.5^{\circ}\text{C}$.

辊体内均匀布置的加热线圈外接电源控制模块，通电后产生交变磁场，金属辊体在交变磁场作用下产生涡流，由于金属固有的电阻而发热，从而达到加热辊体的目的。



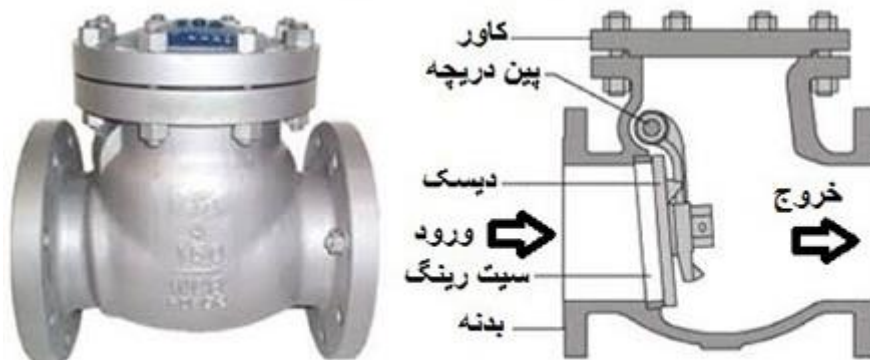
Alternating Magnetic flux occurs when an alternating current is provided to an induction coil. This induces an eddy current on the internal surface layer of the roller shell, and the resistance will generate heat under the eddy current. High temperature is achieved from the direct generation of heat by the roller shell itself.



check valves

Check valve is a valve that is used to prevent backflow in the piping system. The pressure of the liquid passing through the pipe opens the valve, while any reverse flow closes the valve.

The check valve helps your water system maintain pressure when the pump is turned off and also prevents back rotation, upward drift and water hammering.

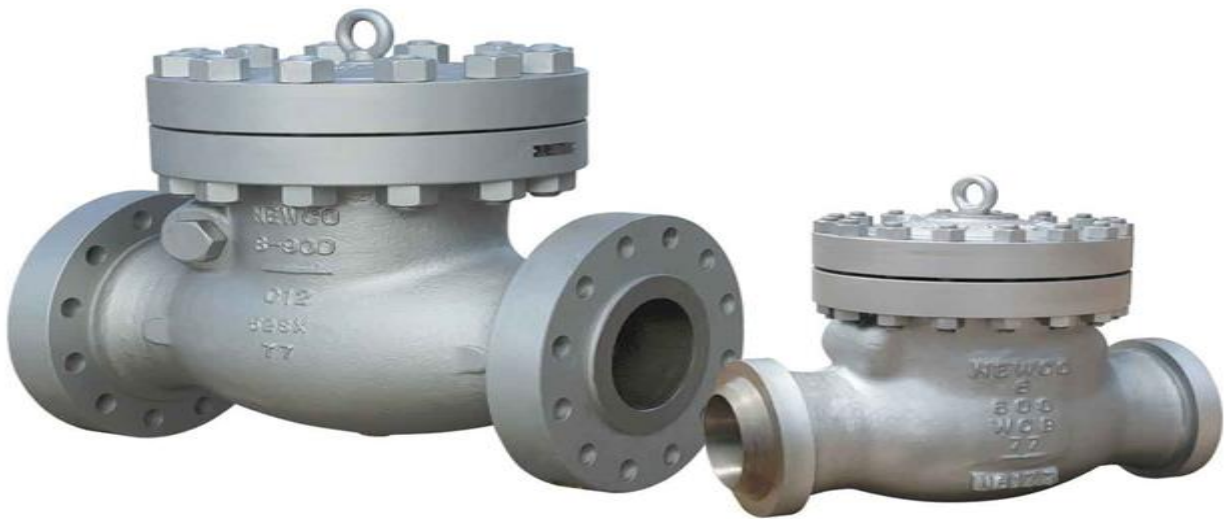
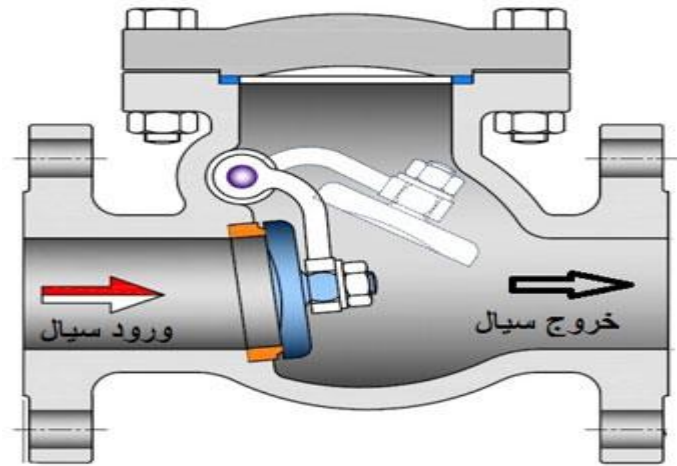




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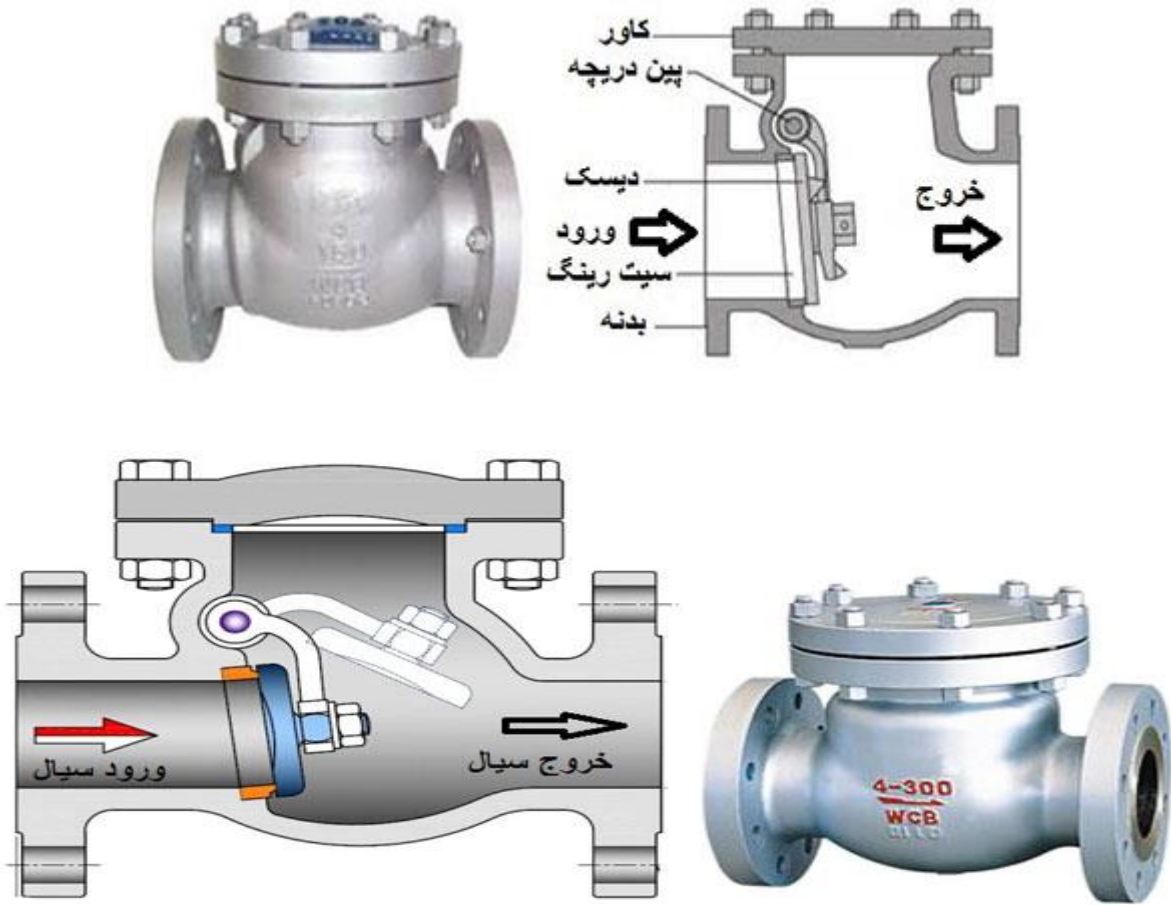
cadre





Check valve





Heat exchanger





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Pump body





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scraper

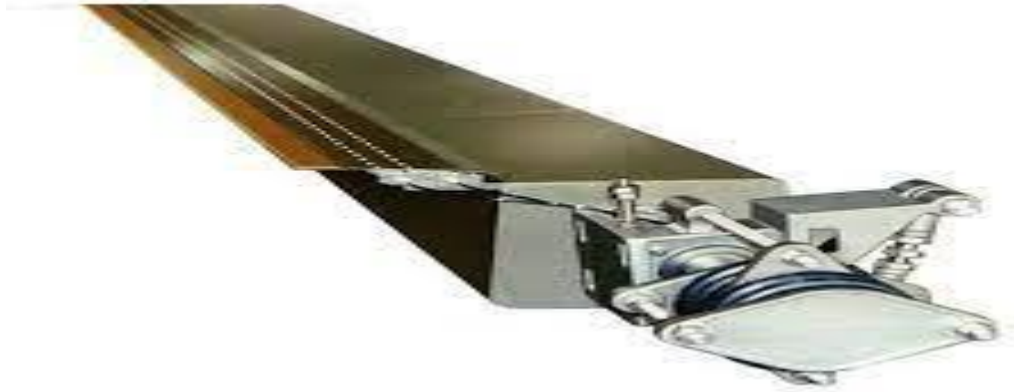




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Tooth rake grill



- 井宽(最大): 700mm
- 井深(最大): 2.5m
- 格栅间隙可选: 3, 5, 10, 15, 20mm
- 安装角度: 45°, 50°, 60°
- 背耙式设计, 最大限度防止垃圾堵塞传动链
- 浮动栅条设计, 不会发生耙齿与栅条卡死的情况
- 防反转装置
- 全不锈钢SS304设计
- 最大处理量可达500m³/h

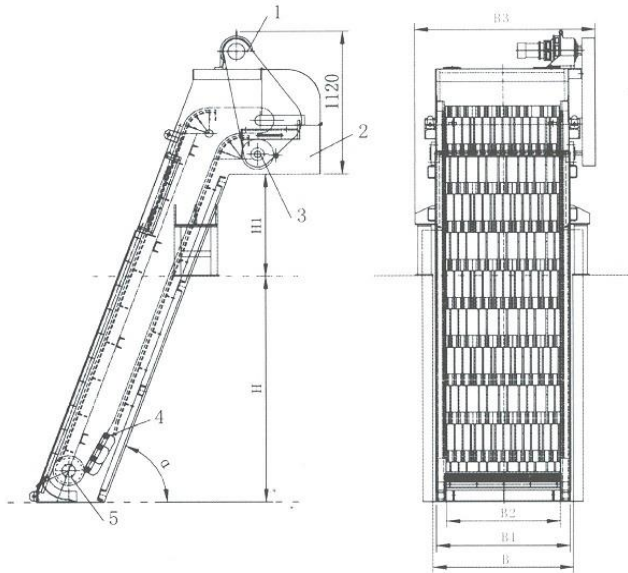
- Channel Width(Max): 700mm
- Channel Depth(Max): 2.5m
- Filtering gap: 3, 5, 10, 15, 20mm
- Inclination referred to vertical: 45°, 50°, 60°
- Back rake design, against clogging of driving chain
- Floating bar design against jamming between rake and bar
- The standard construction is in stainless steel 304
- Capacity of one unit is up to 500m³/h



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- | | |
|--------|------------------|
| 1、驱动系统 | 1、drive unit |
| 2、机架 | 2、frame |
| 3、清洗机构 | 3、washing system |
| 4、耙齿链 | 4、teeth belt |
| 5、导向机构 | 5、guide unit |



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