

Mechanical seal 机械密封 ESD34G

double-acting liquid lubricated 双端面液体润滑



Function and application 功能和应用

- Double-acting liquid lubricated mechanical seal 双端面液体润滑机械密封
- Two identical pairs of seal rings in a back-to-back arrangement 二对相同的密封环背对背布置
- Ideal mechanical seal for applications for medium pressure range up to 40 bar (abs.)
理想的用于中压至40 bar应用的机械密封
- Use of modular design opens up many different extension options 模块设计，可配多种选配部件
- Mechanical seal used most in agitators worldwide 主要用于搅拌机的机械密封

Advantages 优点

- Life cycle cost savings due to extremely robust construction
由于极其牢固的结构，寿命期内节省使用费用
- Use of FEA ensures optimized stress distribution in every seal ring
应用FEA确保了各密封环的应力分布的优化
- Special spring designs ensure uniform pre-tensioned conditions even at significant agitator shaft displacements
特别的弹簧设计确保了即使搅拌机轴有明显的位移情况下预张力的一致
- Almost zero-leakage under the roughest conditions 在恶劣的条件下几乎零泄漏

Working limits 工作极限

Operating pressure 操作压力: Vacuum(真空) ... 40 bar (abs.)
Vessel temperature 容器温度: -50...+400°C
Shaft size 轴尺寸: 40...220 mm
Sliding speed 滑动速度: 0...5 m/s
Certification 证书: Acc.to (按) ATEX94/9/EC

Materials 材质

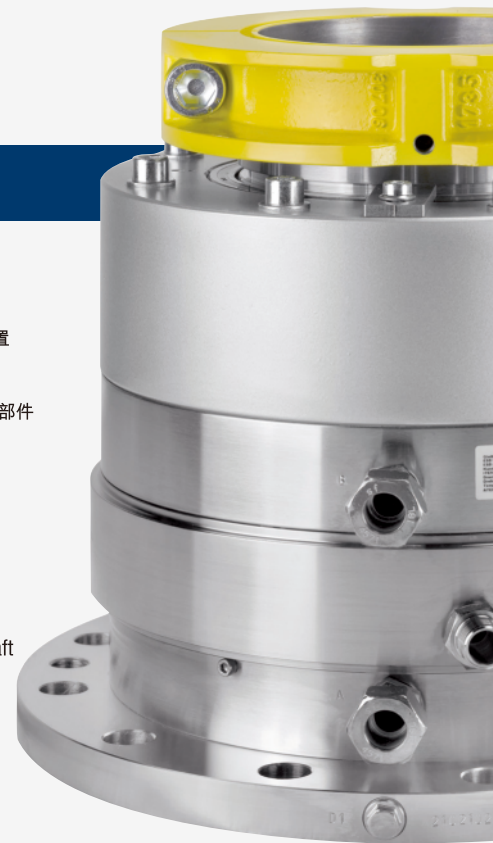
Housing 壳体: Stainless steel 不锈钢
Product-wetted parts 接触产品部件: Stainless steel, Hastelloy, Titanium, other special materials 不锈钢、哈氏合金、钛或其它特殊材料
Seal rings 密封环: Carbon, Silicon Carbide, etc. 石墨、碳化硅等
O-rings O型圈: FKM (Viton/氟橡胶), EPDM, FFKM (Kalrez, Chemraz, etc./全氟化橡胶、全聚氟醚等), special materials 特殊材料
FDA approval PDA 批准: Possible for all product-wetted parts 对所有接触产品的部件是可能的

Applications 应用

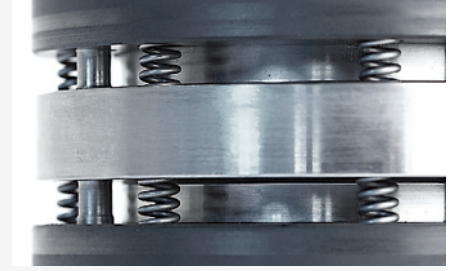
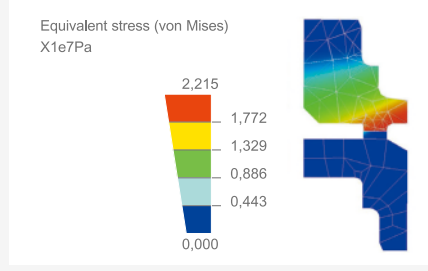
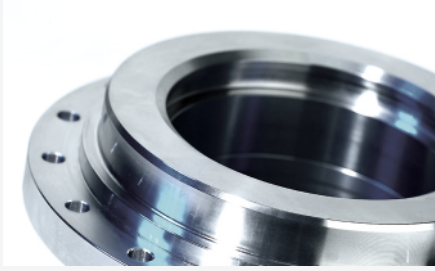
- Bulk chemicals 大宗化学品
- Polymers 聚合物
- Specialty chemicals 特殊化学品
- Formulated consumer products 配方消费产品
- Pharmaceutical products and cosmetics 药品和化妆品
- Biofuels and biorefineries 生物燃料和生物炼制
- Hydrometallurgy 湿法冶金

Accessories 附件

- Short heat trap for cooling 用于冷却的热收集器;
- Water jacket for cooling 用于冷却的水夹套
- Collector tray for leakage 泄漏收集槽
- Flushing attachment 冲洗附件



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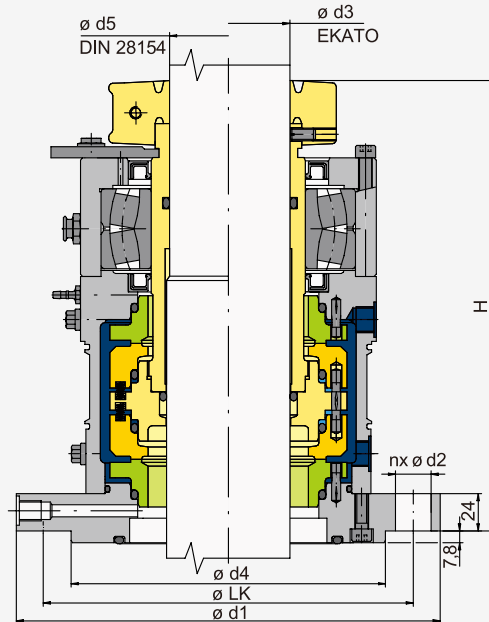
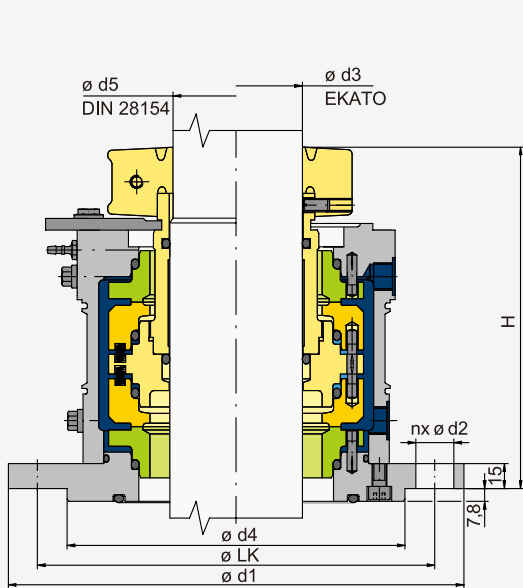
Low life cycle costs due to robust design.
寿命期内使用费用低
由于稳健的设计

Optimized load distribution in a seal ring by the use of FEA.
密封环上应用FEA进行载荷分布优化

Almost zero-leakage even under the roughest conditions.
Special spring designs ensure uniform pre-tensioned conditions, also in cases of agitator shaft deflection.
在恶劣的条件下几乎零泄漏
特别的弹簧设计确保了即使搅拌机轴有偏摆情况下预张力的一致

ESD34GJ

ESD34GD



Seal type / size 密封型号/尺寸	d1	d3	d4	d5	LK	n x d2	H
ESD34G / 040	175	40	110	38	145	4 x 18	188
ESD34G / 060	240	60	176	58	210	8 x 18	210
ESD34G / 080	275	80	204	78	240	8 x 23	213
ESD34G / 100	305	100	234	98	270	8 x 23	212
ESD34G / 120	330	120	260	-	295	8 x 23	243
ESD34G / 140	395	140	313	135	350	12 x 23	250
ESD34G / 160	395	160	313	150	350	12 x 23	271
ESD34G / 180	445	180	364	170	400	12 x 23	286
ESD34G / 200	445	200	364	190	400	12 x 23	304
ESD34G / 220	505	220	422	210	460	26 x 23	332

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ESD34G / 080	275	80	204	78	240	8 x 23	292
ESD34G / 100	305	100	234	98	270	8 x 23	281
ESD34G / 120	330	120	260	-	295	8 x 23	324
ESD34G / 140	395	140	313	135	350	12 x 23	340
ESD34G / 160	395	160	313	150	350	12 x 23	358
ESD34G / 180	445	180	364	170	400	12 x 23	366
ESD34G / 200	445	200	364	190	400	12 x 23	346
ESD34G / 220	505	220	422	210	460	26 x 23	374

All dimensions in mm. Other sizes available on request. Technical data are subject to changes.
所有尺寸单位是mm, 其它尺寸按客户要求可以定制。以上参数保留变更的权利

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