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LAIKO® 雷客



AIH

AIH单级单吸化工流程泵
SINGLE STAGE SINGLE SUCTION
CHEMICAL PROCESS PUMP

股票简称: 大元泵业
股票代码: 603757

泵与系统解决方案提供商
PUMP AND SYSTEM SOLUTION PROVIDER

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懂水 更懂节能

Superior in Pump, Superior in Energy-Saving.

节能用泵的研发与制造，泵与系统解决方案提供商



LAIKO® 雷客

大元泵业旗下品牌 | 专注于节能用泵研发与制造
股票简称:大元泵业 股票代码:603757

LAIKO 浙江雷客泵业有限公司
Laiko Pump (Zhejiang) Co., Ltd.

浙江雷客泵业有限公司是浙江大元泵业股份有限公司(股票代码:603757)旗下品牌,成立背景源于大元泵业超过34年的深厚行业经验与技术积累,在泵领域内拥有全面的产品线和领先的制造技术。专注于节能用泵的研发与制造。

雷客泵业的应用领域涵盖了建筑领域、市政领域以及工业领域。拥有立式多级泵、立式管道泵、卧式多级泵、冷热水循环管道泵、单级离心泵、标准离心泵、不锈钢卧式单级离心泵、潜污泵、浸入式多级离心泵等产品线。并在国内建立了广泛的办事处网络,覆盖研发、生产、销售的完整链条,产品远销欧美亚多个国家和地区。

标准的研发、生产、销售和服务体系,奠定了雷客泵业的核心竞争力和可持续发展空间。可靠的产品品质,贴心的售后服务,为雷客赢得了广泛的美誉。

我们保持锐意进取,始终坚持科技创新理念,为我们的客户提供更节能高效的解决方案与服务!

浙江雷客泵业有限公司

是浙江大元泵业股份有限公司(股票代码:603757)旗下品牌,注册资金8000万,与新沪同为大元子公司,总部位于浙江温岭。拥有超34年的实力积淀,联盟国内顶级水泵研发、生产、销售、技术团队,综合实力位居行业前列。母公司大元泵业是泵产品国家标准、行业标准的起草单位,是国家认定、授予的“高新技术企业”、“省级企业技术中心”大元旗下自主品牌(“大元”牌、“雷客”牌、“新沪”牌、“SHINHOO”)产品业已通过CE、GS、TUV、ROHS等多项质量和产品认证,销售服务网点遍布全国达10000余家,并出口东南亚、欧洲、中东和南美等近150个国家和地区。

使命——聚焦高效节能泵解决方案

愿景——为泵行业节能革新注入新活力

价值观——以人为本、精益求精



专注专业 绿色创新 品质至上 合作共赢

雷客泵业全国主要城市都设立了办事处,专业、高效的办事处服务团队,从咨询、购买、售后、维护等各个环节,全程提供高效、专业、及时、贴心的服务。秉持“全心全意,客户至上”的精神,快速响应需求,为客户提供精准的产品推荐与解决方案,提供更具针对性的服务,全方位全周期的提供无忧服务。





科技赋能、品质护航，引领泵业绿色智能新时代

大元泵业集团携手子公司雷客泵业重要战略布局，占地近 200 亩、总投资 10 亿元的现代化生产基地，规划年产 700 万台水泵。生产全流程智能化体系：从智能自动化产线、精准检测包装系统，到智能物流仓储，全方位提升生产效率与品质稳定性；更配备国家 CNAS 认证测试实验室，以国际标准严控产品质量。同时，通过太阳能覆盖、环保设备应用践行绿色发展理念，打造绿色智能标杆工厂，以科技创新为驱动、以卓越品质为根基，引领泵业行业迈向绿色智造新时代。



技术创新 专利护航

346	29	242	75	6
境内专利	发明专利	新型实用专利	外观专利	境外专利

拥有研发人员177名+专利超352项的实力积淀
产品荣获“浙江名牌产品”、“浙江出口名牌”等荣誉
产品远销欧美亚多个国家和地区，综合实力位居行业前列
公司通过多年持续的研发投入，形成了较为明显的技术创新优势



AIH单级单吸化工流程泵

单吸速流 | 防腐耐磨 | 运行稳定耐用



技术参数/TECHNICAL DATA

流量范围Flow range: 4.8-1200m³/h 扬程范围Head range: 10-127m

AIH

SINGLE STAGE SINGLE SUCTION CHEMICAL PROCESS PUMP

单级单吸化工流程泵

应用领域 / APPLICATION FIELD

制碱产业	Alkali Production Industry
有色冶金	Nonferrous Metallurgy
石油化工	Petrochemical Industry
制酸产业	Acid Production Industry
制药产业	Pharmaceutical Industry
合成纤维	Synthetic Fiber
塑料产业	Plastic Industry
化肥产业	Fertilizer Industry
环境保护	Environmental Protection
造纸产业	Paper Industry
钢铁产业	Steel Industry

AIH系列泵是卧式单级单吸悬臂式离心泵，结合目前市场上IH泵、IJ泵、CZ泵的基础上优化升级创新而来，高效范围宽，使用范围大，轴承间距长，解决了泵在大比重，高粘度介质情况下断轴弊病；水力性能设计采用优秀水力模型，通过CFD仿真模拟优化，提高泵的效率，比IH泵提高了5%以上；悬架体采用支架支撑形式，可以承受部分管道带来的应力，保证运行过程中的平稳。

轴承采用稀油润滑，设计有轴承隔离器，运行过程不会损坏轴面，使用寿命长达25000小时，避免传统油封经常维修弊病；针对易结晶结垢及含固体颗粒的介质，对密封腔结构进行了针对性设计，保障机械密封的使用环境，提高了使用寿命；叶轮后叶片设计，减小轴向力，泵体有单涡壳和双涡壳结构形式，平衡径向力，减小振动；采用后开门形式，检修时无需拆卸进出口管道，操作方便，安装简便；产品零件高度互换，降低用户备件存放量。

法兰标准执行HG/T20592-2009 PN16 RF(可以根据用户要求执行SH/ASTM/ANSI等标准进行设计制造)；

从驱动端往泵看为顺时针方向旋转。

The AIH series pump is a horizontal single-stage single suction cantilever centrifugal pump, which is optimized, upgraded, and innovated based on the IH pump, IJ pump, and CZ pump currently available in the market. It has a wide range of high efficiency, a wide range of applications, and long bearing spacing, solving the problem of pump shaft breakage in high density and high viscosity media;The hydraulic performance design adopts excellent hydraulic models, optimized through CFD simulation, to improve the efficiency of the pump, which is more than 5% higher than that of IH pumps;The suspension body adopts a bracket support form, which can withstand the stress caused by some pipelines and ensure smooth operation during operation.

The bearing adopts thin oil lubrication and is designed with a bearing isolator. It will not damage the shaft surface during operation and has a service life of up to 25000 hours, avoiding the common maintenance problems of traditional oil seals;Targeted design of the sealing chamber structure has been carried out for media that are prone to crystallization, scaling, and contain solid particles, ensuring the working environment of mechanical seals and improving their service life;The design of the rear blades of the impeller reduces axial force, and the pump body has single and double volute structures to balance radial force and reduce vibration;

Adopting a rear opening design, there is no need to disassemble the inlet and outlet pipelines during maintenance, making it easy to operate and install;Product parts are highly interchangeable, reducing the amount of spare parts stored by users.

The flange standard follows HG/T20592-2009 PN16 RF (can be designed and manufactured according to user requirements using SH/ASTM/ANSI standards, etc.);

When viewed from the drive end towards the pump, it rotates clockwise.

产品介绍 Product Introduction

AIH系列泵是卧式单级单吸悬臂式离心泵，结合目前市场上IH泵、1J泵、CZ泵的基础上优化升级创新而来，高效范围宽，使用范围大，轴承间距长，解决了泵在大比重，高粘度介质情况下断轴弊病。
The AIH series pump is a horizontal single-stage single suction cantilever centrifugal pump, which is optimized, upgraded and innovated based on the previous IH pump, 1J pump and CZ pump in the market. It has a wide range of high efficiency, wide range of use, long bearing spacing, and solves the problem of pump shaft breakage in high density and high viscosity media.

水力性能设计采用优秀水力模型，通过CFD仿真模拟优化，提高泵的效率，比IH泵提高了5%以上。悬架体采用支架支撑形式，可以承受部分管道带来的应力，保证运行过程中的平稳。
The hydraulic performance design adopts excellent hydraulic models, optimized through CFD simulation, to improve the efficiency of the pump, which is more than 5% higher than that of IH pumps. The suspension body adopts a bracket support form, which can withstand the stress caused by some pipelines and ensure smooth operation during operation.

轴承采用稀油润滑，设计有轴承隔离器，运行过程不会损坏轴面，使用寿命长达25000小时，避免传统油封经常维修弊病。
The bearing adopts thin oil lubrication and is designed with a bearing isolator. It will not damage the shaft surface during operation and has a service life of up to 25000 hours, avoiding the common maintenance problems of traditional oil seals.

针对易结晶结垢及含固体颗粒的介质，对密封腔结构进行了针对性设计，保障机械密封的使用环境，提高了使用寿命。叶轮后叶片设计，减小轴向力，泵体有单涡壳和双涡壳结构形式，平衡径向力，减小振动。
Targeted design of the sealing chamber structure has been carried out for media that are prone to scaling and contain solid particles, ensuring the working environment of mechanical seals and improving their service life. The design of the rear blades of the impeller reduces axial forces, and the pump body has single and double volute structures to balance radial forces and reduce vibration.

采用后开门形式，检修时无需拆卸进出口管道，操作方便，安装简便。
Adopting a rear opening design, there is no need to disassemble the inlet and outlet pipelines during maintenance, making it easy to operate and install.

产品零件高度互换，降低用户备件存放量。
The product parts are highly interchangeable, reducing the storage capacity of spare parts for users.

法兰标准执行HG/T20592-2009PN16 RF(可以根据用户要求执行SH/ASTM/ANSI等标准进行设计制造)。从驱动端往泵看为顺时针方向旋转。
The flange standard follows HG/T20592-2009PN16 RF (can be designed and manufactured according to user requirements using SH/ASTM/ANSI standards, etc.).When viewed from the drive end towards the pump, it rotates clockwise.

型号含义 Model Description

AIH 80 - 50 - 200

叶轮名义直径 nominal diameter of the impeller(mm)

泵出口直径 outlet diameter(mm)

泵进口直径 inlet diameter(mm)

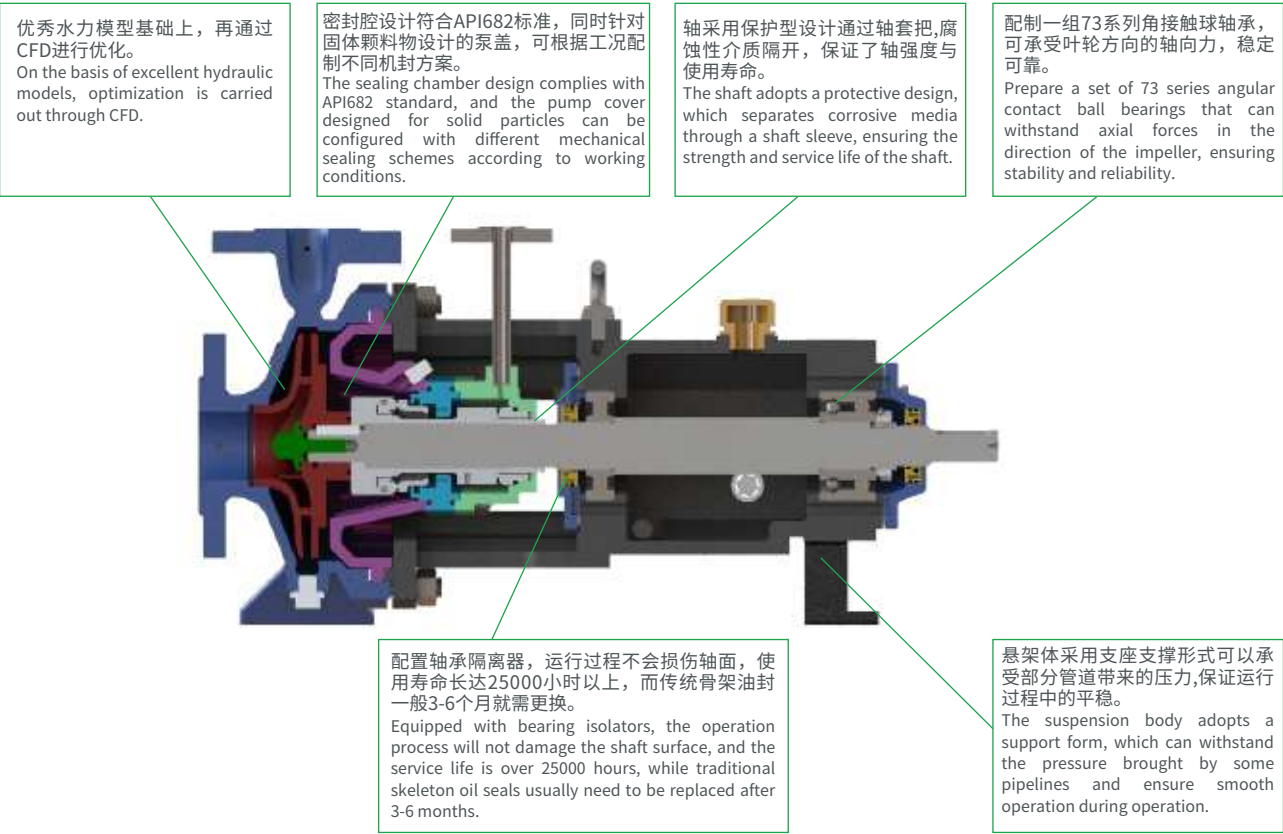
AIH单级单吸化工流程泵

Single Stage Single Suction Chemical Process Pump

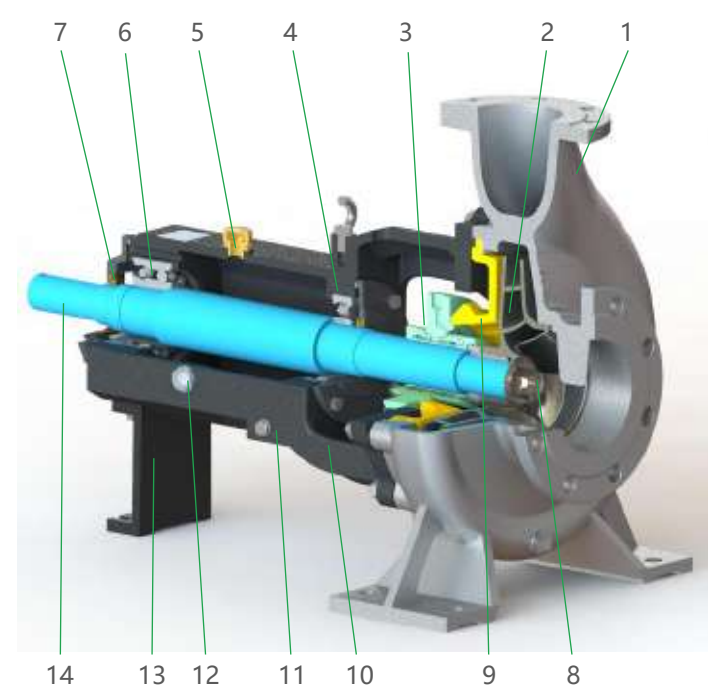
典型应用 Typical applications

制碱产业:纯碱和氨联碱出产的氨盐水母液、氯碱出产的常温苛性碱、氯产品和氨基酸、次氯酸盐。有色冶金:电解铜镍的电解液、出产钴的酸雾液、出产锌的矿浆液、出产钒的钒酸铵、出产黄金的酸和硫脲液等的输送。
石油化工:石油精炼乙醛烷基苯的制造。
制酸产业:硝酸、硫酸、盐酸、磷酸、醋酸等。
制药产业:医药和农药的出产。
合成纤维和塑料产业:涤纶、聚氯乙烯的出产、纺织、印染产业。
化肥产业:尿素、硝铵的出产。
环境保护:污水处理、酸雾液的输送。
造纸产业:纸浆蒸煮液和漂白液的输送。
钢铁产业:电镀、酸洗、废酸处理。
Alkali production industry: Ammonia salt liquor produced from soda ash and ammonia linked alkali, ambient temperature caustic alkali produced from chlor alkali, chlorine products, chlorates, and fluorites.
Nonferrous metallurgy: transportation of electrolytes for electrolytic copper and nickel, acid mist for cobalt production, slurry for peak production, ammonium vanadate for vanadium production, acid and thiourea solution for gold production, etc.
Petrochemical industry: production of refined acetaldehyde alkylbenzene from petroleum.
Acid production industry: nitric acid, sulfuric acid, hydrochloric acid, phosphoric acid, acetic acid, etc.
Pharmaceutical industry: production of pharmaceuticals and pesticides.
Synthetic fiber and plastic industry: production of polyester and polyethylene oxide, textile, printing and dyeing industry.
Fertilizer industry: production of urea and ammonium nitrate.
Environmental protection: sewage treatment, transportation of acid mist solution.
Paper industry: transportation of pulp cooking and bleaching liquids
Steel industry: electroplating, acid washing, and waste acid treatment.

结构特点 Structural Features

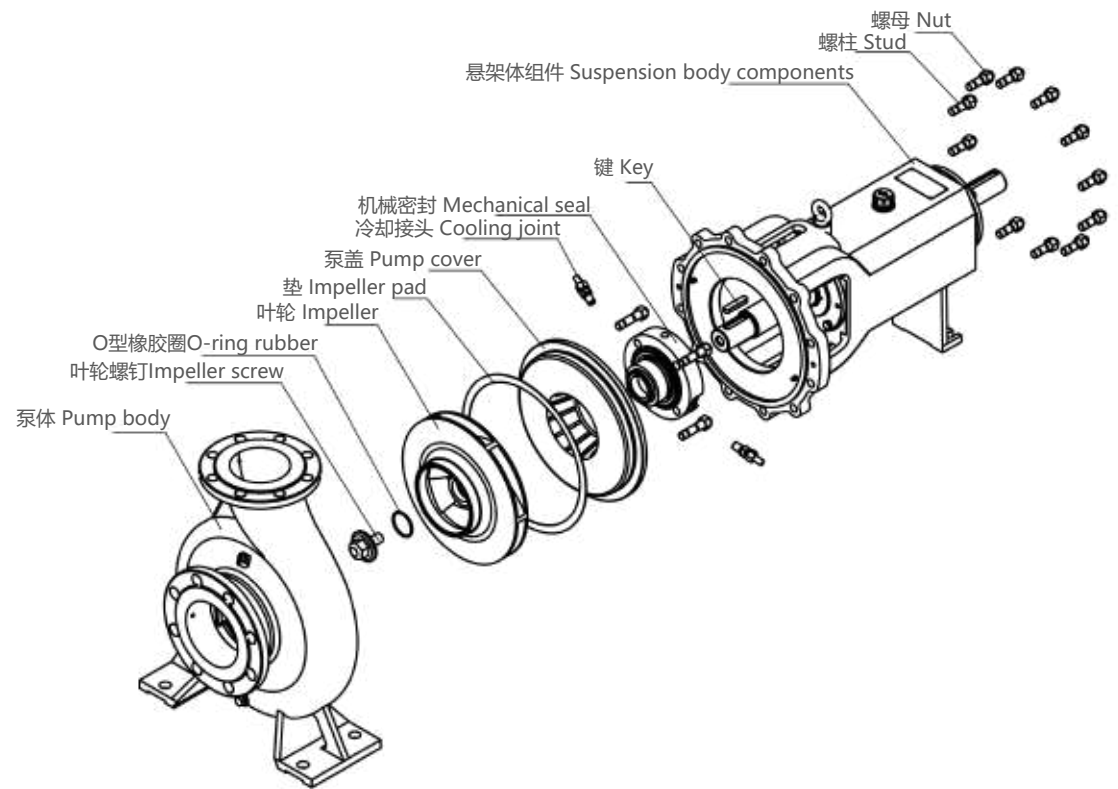


零件名称 Structural diagram



序号 NO.	名称 name
1	Pump body
2	Impeller
3	Mechanical seal
4	Cylindrical roller bearing
5	Vent cap
6	Angular contact ball bearing
7	Bearing Isolator
8	Impeller screw
9	Pump cover
10	Suspension body support
11	Oil plug
12	Oil level indicator
13	Suspension body support
14	Axle

爆炸图 Exploded view



零件材料 Part Material

根据工况介质选择耐腐蚀，耐磨材料(不锈钢/双相钢/钛/镍/哈氏合金)
Select corrosion-resistant and wear-resistant materials (stainless steel/duplex steel/titanium/nickel/Hastelloy) based on the working medium.

序号 NO.	行业 Industry	介质 Medium	常用金属材质 Common metal materials
1	Caustic soda、Chlor alkali	Sodium hydroxide, sodium hypochlorite, sodium chlorate, brine, catholyte, anolyte, etc	304、316L、TA2/TA9/TA10、Ni200
2	Acid production	Sulfuric acid, phosphoric acid, nitric acid, acetic acid, etc	304、316L2205、904、20# Alloy, Hastelloy alloy
3	Salt making	Sodium chloride, sodium sulfate, sodium nitrate, etc	304、316L、2205、2507、TA2
4	Pharmaceutical production	Ethanol, glucose, pharmaceuticals, pesticides, etc	304、316L
5	Fine Chemicals	Organic chemicals, organic intermediates, synthetic fibers, synthetic resins, monomers, etc	304、316L、2205、2507、TA2
6	Chemical fertilizer	Urea, ammonium fertilizer, potassium fertilizer, etc	304、316L
7	Papermaking	Pulp, black liquor, white mud, green mud, filtrate, etc	304、2205、0Cr17、CD4MCu
8	Food	Filter aids, additives, etc	304、316L
9	Sewage treatment	Sodium hypochlorite, sodium sulfite, sodium dihydrogen phosphate	304、316L、2205、2507、TA2
10	Seawater desalination	Seawater	316L、2205、2507、TA2

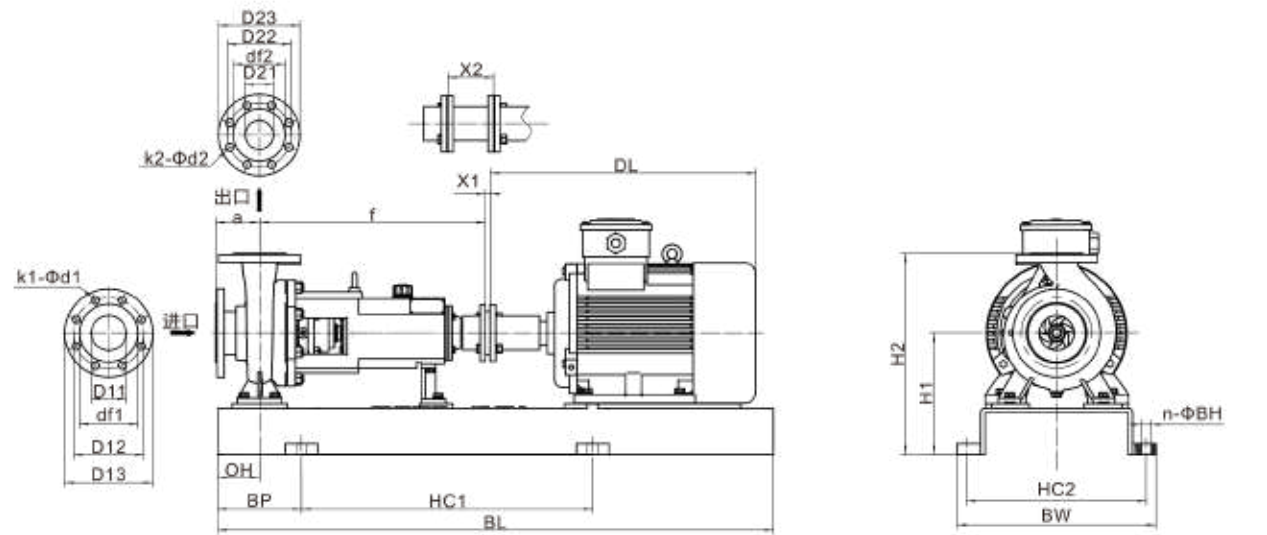
性能参数表 Performance parameter table

型号 Model	转速 N (r/min)	流量 Q (m³/h)	扬程 H (m)	额定流量 rated flow rate (m³/h)	额定扬程 rated head (m)	额定点效率 Rated point efficiency (%)	轴功率 shaft power (kW)	配套电机 electromotor		
								比重 Specific gravity 1.0	比重 Specific gravity 1.35	比重 Specific gravity 1.84
40-25-125	2900	4.8~7.2	16~22	6	20	39	0.84	Y80M-2/1.1	Y90S-2/1.5	Y90L-2/2.2
40-25-160	2900	4.8~7.2	24~33	6	32	32.1	1.63	Y90L-2/2.2	Y90L-2/2.2	Y100L-2/3
40-25-200	2900	4.8~7.2	40~55	6	50	23.2	3.52	Y112M-2/4	Y132S-2/5.5	Y132S-27.5
50-32-125	2900	10~15	16~22	12.5	20	51.8	1.31	Y90S-2/1.5	Y90L-2/2.2	Y100L-2/3
50-32-160	2900	10~15	25.6~33	12.5	32	45.7	2.38	Y100L-2/3	Y112M-2/4	Y132S-2/5.5
50-32-200	1450	5~9	10~15	6.3	12.5	33.2	0.65	Y80M-4/0.75	Y90S-4/1.1	Y90L-4/1.5
	2900	10~15	40~60	12.5	50	39.2	4.34	Y132S-2/5.5	Y132S-2/7.5	Y160M1-2/1
50-32-250	1450	5~9	16~24	6.3	20	24.2	1.42	Y90L-4/1.5	Y100L-4/2.2	Y100L-4/3
	2900	10~15	64~86	12.5	80	30.1	9.04	Y160M1-2/11	Y160M2-2/15	Y160L-2/18.5
65-50-125	2900	20~30	16~24	25	20	61.8	2.2	Y100L-2/3	Y112M-2/4	Y132S-2/5.5
65-50-160	2900	20~30	25.6~33	25	32	57.5	3.79	Y132S-2/5.5	Y132S-2/7.5	Y160M1-2/11
65-40-200	1450	10~15	10~15	12.5	12.5	46.2	0.92	Y90S-4/1.1	Y90L-4/1.5	Y100L-4/2.2
	2900	20~30	40~60	25	50	52	6.54	Y132S-2/7.5	Y160M1-2/11	Y160M2-2/15
65-40-250	1450	10~15	16~22	12.5	20	39.1	1.74	Y100L-4/2.2	Y100L-4/3	Y112M-4/4
	2900	20~30	64~85	25	80	45	12.1	Y160M2-2/15	Y160L-2/18.5	Y200L-2/30
65-40-315	1450	10~15	25.6~33	12.5	32	30.2	3.61	Y132S-4/5.5	Y132S-4/5.5	Y132M-4/7.5
	2900	20~30	100~127	25	125	36.4	23.4	Y200L-2/30	Y200L-2/37	Y225M-2/45
80-65-125	2900	40~60	16~25	50	20	68.5	3.97	Y132S-2/5.5	Y132S-2/7.5	Y160M1-2/1
80-65-160	2900	40~60	29~35	50	32	67	6.5	Y132S-2/7.5	Y160M1-2/11	Y160M2-2/15
80-50-200	1450	20~30	10~15	25	12.5	58.1	1.46	Y100L-4/2.2	Y100L-4/3	Y112M-4/4
	2900	40~60	46~55	50	50	63	10.8	Y160M2-2/15	Y160L-2/18.5	Y200L-2/30

性能参数表 Performance parameter table

型号 Model	转速 N (r/min)	流量 Q (m³/h)	扬程 H (m)	额定流量 rated flow rate (m³/h)	额定扬程 rated head (m)	额定点效率 Rated point efficiency (%)	轴功率 shaft power (kW)	配套电机 electromotor		
								比重 Specific gravity 1.0	比重 Specific gravity 1.35	比重 Specific gravity 1.84
80-50-250	1450	20~30	16~22	25	20	52	2.62	Y100L-4/3	Y112M-4/4	Y132S-4/5.5
	2900	40~60	72~87	50	80	57	19.1	Y180M-2/22	Y200L-2/30	Y225M-2/45
80-50-315	1450	20~30	25.6~33	25	32	45.1	4.83	Y132S-4/5.5	Y132M-4/7.5	Y160M-4/11
	2900	40~60	100~127	50	125	50.1	34	Y200L-2/37	Y250M-2/55	Y280S-2/75
100-80-125	2900	68~120	16~24	100	20	73	7.46	Y160M1-2/11	Y160M2-2/15	Y160L-2/18.5
100-80-160	2900	70~120	26~35	100	32	73	11.9	Y160M2-2/15	Y160L-2/18.5	Y200L-2/30
100-65-200	1450	40~60	10~15	50	12.5	67	2.54	Y100L-4/3	Y112M-4/4	Y132S-4/5.5
	2900	80~120	45-53	100	50	71.2	19.1	Y180M-2/22	Y200L-2/30	Y225M-2/45
100-65-250	1450	40~60	16~22	50	20	63	4.32	Y132S-4/5.5	Y132M-4/7.5	Y160M-4/11
	2900	70~130	70~84	100	80	67	32.5	Y200L-2/37	Y250M-2/55	Y280S-2/75
100-65-315	1450	35~65	30~33	50	32	56.6	7.7	Y160M-4/11	Y160L-4/15	Y180M-4/18.5
	2900	80~120	115~127	100	125	61.1	55.7	Y280S-2/75	Y280M-2/90	Y315S-2/110
100-65-400	1450	30~60	41~52	50	50	50.1	13.6	Y160L-4/15	Y180M-4/18.5	Y180L-4/22
125-80-200	1450	60~90	10~15	75	12.5	71.2	3.58	Y132S-4/5.5	Y132M-4/7.5	Y160M-4/11
	2900	100~180	40~60	150	50	74.5	27.4	Y200L-2/30	Y225M-2/45	Y250M-2/55
125-80-250	1450	60~90	16~24	75	20	68.1	6	Y132M-4/7.5	Y160M-4/11	Y160L-4/15
	2900	100~180	60~85	150	80	71.6	45.6	Y250M-2/55	Y280S-2/75	Y280M-2/90
125-80-315	1450	60~90	30~35	75	32	61	10.7	Y160L-4/15	Y180M-4/18.5	Y180L-4/22
	2900	100~180	100~127	150	125	66	77.3	Y280M-2/90	Y315M-2/132	Y315L-2/160
125-100-200	1450	70~130	10~15	100	12.5	73	4.66	Y132S-4/5.5	Y132M-4/7.5	Y160M-4/11
	2900	160~240	40~55	200	50	76.1	35.8	Y225M-2/45	Y250M-2/55	Y280S-2/75
125-100-250	1450	80~120	16~24	100	20	71.1	7.66	Y160M-4/11	Y160L-4/15	Y180M-4/18.5
	2900	160~240	70~84	200	80	74.5	58.5	Y280S-2/75	Y280M-2/90	Y315M-2/132
125-100-315	1450	80~120	29~35	100	32	67.1	13	Y160L-4/15	Y180L-4/22	Y200L-4/30
	2900	160~240	96~127	200	125	70.5	96.5	Y315S-2/110	Y315L-2/160	Y315L-2/200
125-100-400	1450	70~140	42~55	100	50	61.2	22.2	Y200L-4/30	Y225S-4/37	Y250M-4/55
150-125-250	1450	150~300	13-23	200	20	76.4	14.3	Y180M-4/18.5	Y200L-4/30	Y225S-4/37
50-125-315	1450	160~240	28~35	200	32	74.7	23.3	Y200L-4/30	Y225S-4/37	Y250M-4/55
150-125-400	1450	150~300	40~55	200	50	70.7	38.5	Y225M-4/45	Y280S-4/75	Y280M-4/90
200-150-250	1450	250~520	12~23	400	20	79.3	27.5	Y200L-4/30	Y225M-4/45	Y250M-4/55
200-150-315	1450	250~520	28~35	400	32	79.2	44	Y250M-4/55	Y280S-4/75	Y280M-4/90
200-150-400	1450	300~550	40~53	400	50	77.8	70	Y280M-4/90	Y315S-4/110	Y315L-4/160
200-150-500	1450	300~550	62~82	400	80	73.5	118.5	Y315M-4/132	Y315L-4/200	Y355M-4/250
250-200-315	1450	500~760	20~33	640	32	81	68.8	Y280S-4/90	Y315S-4/110	Y315L-4/160
250-200-400	1450	500~760	40~53	640	50	80	108.9	Y315M-4/132	Y315L-4/160	Y315L-4/200
250-200-500	1450	500~780	68~80	660	75	78	172.8	Y315L-4/200	Y355M-4/250	Y355L-4/315
300-250-400	1450	650~1200	40~53	1000	50	82	166	Y315L-4/200	Y355M-4/250	Y355L-4/315
300-250-500	1450	850~1200	50~80	1000	75	81.5	250.5	Y355M-4/280	Y355L-4/315	Y400M-4/400

安装尺寸图 Installation Dimension Drawing



安装尺寸表 Installation dimension table

型号 Pump model	配套电机Electromotor		底座号 Base number	泵安装尺寸 Pump installation dimensions (mm)													进口法兰尺寸 Imported flange size				出口法兰尺寸 Export flange size							
	机座号 FRAME	功率Power(KW)		BL	BP	HC1	DL	H1	H2	HC2	BW	OH	a	f	X1/X2	n-øBH	D11	df1	D12	D13	k1-ød1	D21	df2	D22	d23	k2-ød2		
AIH40-25-125	Y801-2	0.75	150 320 A	948	150	540	285	202	342	320	360	80	80	512	8	4-ø19	40	84	110	140	4-ø18	25	65	85	115	4-ø14		
	Y802-2	1.1					310																					
	Y90S-2	1.5					335																					
	Y90L-2	2.2																										
AIH40-25-160	Y801-2	0.75	150 320 B	948	150	540	285	222	382	320	360	80	80	512	8	4-ø19	40	84	110	140	4-ø18	25	65	85	115	4-ø14		
	Y802-2	1.1					310																					
	Y90S-2	1.5					335																					
	Y90L-2	2.2																										
	Y100L-2	3					170 350 A			1048	170	600	380	350	390	80											80	512
AIH40-25-200	Y90S-2	1.5	150 320B	948	150	540	310	250	382	320	360	80	80	512	8	4-ø19	40	84	110	140	4-ø18	25	65	85	115	4-ø14		
	Y90L-2	2.2	170 350 C	335																								
	Y100L-2	3	380																									
	Y112M-2	4	400																									
	Y132S-2	5.5	170 350 A	1048	170	600	475																					
Y132S-2	7.5																											
AIH50-32-125	Y801-4	0.55	150 320 A	948	150	540	285	202	342	320	360	80	80	512	8	4-ø19	50	99	125	165	4-ø18	32	76	100	140	4-ø18		
	Y90L-2	2.2					310																					
	Y100L-2	3					150 320 B																					
AIH50-32-160	Y801-4	0.55	150 320 B	948	150	540	285	222	382	320	360	80	80	512	8	4-ø19	50	99	125	165	4-ø18	32	76	100	140	4-ø18		
	Y802-4	0.75					310																					
	Y90S-4	1.1					335																					
	Y90L-2	2.2																										
	Y100L-2	3					170 350 A			1048	170	600	380	350	390													
	Y112M-2	4					400																					
Y132S-2	5.5	170 350 B	475																									
AIH50-32-200	Y802-4	0.75	150 320B	948	150	540	285	250	430	320	360	80	80	512	8	4-ø19	50	99	125	165	4-ø18	32	76	100	140	4-ø18		
	y90S-4	1.1					310																					
	Y100L-2	3					170 350 C																				335	
	Y112M-2	4					380			350	390																	
	Y132S-2	5.5					170 350 A			400																		
	Y132S-2	7.5					400																					
Y160M-2	11	190 400 A	1260	190	660	600	400	450	95	8/100	4-ø24																	
AIH50-32-250	Y90L-4	1.5	190 400 B	1160	190	660	335	270	495	400	450	95	100	635	8	4-ø24	50	99	125	165	4-ø18	32	76	100	140	4-ø18		
	Y100L-4	2.2					380																					
	Y100L-4	3																										
	Y132S-2	7.5					210 440 A			1300	210	740	475	440	490													
	Y160M-2	11					225 490 A			1500	225	840	600	490	550	100											11/100	4-ø28
	Y160M-2	15																										
Y160L-2	18.5	645																										
AIH65-50-125	Y801-4	0.55	150 320 A	948	150	540	285	202	342	320	360	80	80	512	8	4-ø19	65	118	145	185	8-ø18	50	99	125	165	4-ø18		
	Y802-4	0.75					335																					
	Y90L-2	2.2					380																					
	Y100L-2	3					400																					
	Y112M-2	4					475			222	362																	

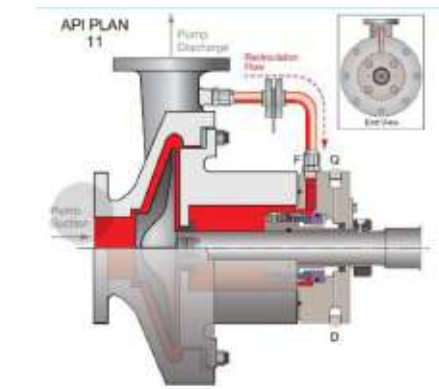
安装尺寸表 Installation dimension table

型号 Pump model	配套电机Electromotor		底座号 Base number	泵安装尺寸 Pump installation dimensions (mm)														进口法兰尺寸 Imported flange size				出口法兰尺寸 Export flange size								
	机座号 FRAME	功率Power(KW)		BL	BP	HC1	DL	H1	H2	HC2	Bw	OH	a	f	X1/X2	n-øBH	D11	df1	D12	D13	k1-ød1	D21	df2	D22	D23	k2-ød2				
AIH65-50-160	Y802-4	0.75	150 320 B	948	150	540	285	222	382	320	360	80	80	512	8	4-ø19	65	118	145	185	8-ø18	50	99	125	165	4-ø18				
	Y90S-4	1.1					310																							
	Y90L-4	1.5					335																							
	Y100L-2	3	170 350 A	1048	170	600	380			350	390																			
	Y112M-2	4	400																											
	Y132S-2	5.5	400																											
Y132S-2	7.5	170 350 B				400																								
AIH65-40-200	Y90S-4	1.1	150 320 B	948	150	540	310	250	430	320	360	80	100	512	8	4-ø19	65	118	145	185	8-ø18	40	84	110	150	4-ø18				
	Y90L-4	1.5					335																							
	Y100L-4	2.2					380																							
	Y132S-2	5.5	170 350 A	1048	170	600	475			350	390																			
	Y132S-2	7.5																												
	Y160M-2	11																												
Y160M-2	15	190 400 A	1260	190	660	400	400	450	95																					
AIH65-40-250	Y100L-4	3	190 400 B	1160	190	660	380	270	495	400	450	95	100	635	8	4-ø24	65	118	145	185	8-ø18	40	84	110	50	4-ø18				
	Y112M-4	4				400																								
	Y132S-4	5.5	210 440 A	1300	210	740	475																							
	Y160M-2	11	225 490 A	1500	225	840	600			490	550	100	11/100	4-ø28																
	Y160M-2	15																												
	Y160L-2	18.5																												
Y200L-2	30	250 550 A	1700	250	940	645	310	535	550	610	110																			
AIH65-40-315	Y112M-4	4	225 490 B	1500	225	840	400	290	540	490	550	100	125	805	8	4-ø28	65	118	145	185	8-ø18	40	84	110	150	4-ø18				
	Y132S-4	5.5					457																							
	Y132M-4	7.5					515																							
	Y180M-2	22	250 550 B	1700	250	940	670			310	560	550	610	110	140	6-ø28														
	Y200L-2	30	300 600 C				775																							
	Y200L-2	37																												
Y225M-2	45	300 600 B								600/600	815	335	585																	
Y250M-2	55				930	360	610																							
AIH65-50-125	Y802-4		0.75	150 320 B	948	150	540				285	222	382	320	360	80	100	512	8	4-ø19	80	132	160	200	8-ø18	65	118	145	185	8-ø18
	Y90S-4	1.1	310																											
	Y90L-4	1.5	335																											
	Y112M-2	4	170 350 A	1048	170	600	400	350	390																					
	Y132S-2	5.5	475																											
	Y132S-2	7.5																												
Y160M-2	11	190 400 A	1260	190	660	600	250	410	400	450	95																			
AIH80-65-160	Y90S-4	1.1	170 350 C	1048	170	600	310	250	430	350	390	80	100	512	8	4-ø19	80	132	160	200	8-ø18	65	18	145	185	8-ø18				
	Y90L-4	1.5					335																							
	Y100L-4	2.2					380																							
	Y132M-2	7.5	170 350 A	1048	170	600	475			350	390																			
	Y160M-2	11	190 400 A				1260																					190	660	600
	Y160M-2	15																												
AIH80-50-200	Y100L-4	2.2		170 350 C	1048	170		540	380	250	450	350	360	80	100	512	8	4-ø19	80	132	160	200	8-ø18	50	99	125	165			
	Y100L-4	3																											600	
	Y160M-2	11																												
	Y160M-2	15	190 400 A	1260	190	660	645	400	450			95																		
Y160L-2	18.5																													
AIH80-50-250[	Y100L-4	3	190 400 B	1160	190	660	380	270	495			400	450	95	125	635	8	4-ø24	80	132	160	200	8-ø18	50	99	125	165	4-ø18		
	Y132S-4	5.5				470																								
	Y132M-4	7.5	210 440 A	1300	210	740	515																							
	Y160M-2	11	225 490 A	1500	225	840	645			490	550	100	11/100	4-ø28																
	Y180M-2	22																												
	Y200L-2	30																												
Y225M-2	45	250 550 A	1700	250	940	775	310	535	550	610	110																			
AIH80-50-315	Y132M-4	7.5	225 490 B	1500	225	840	515	315	595	490	550	100	125	805	11/140	4-ø28	80	132	160	200	8-ø18	50	99	125	165	4-ø18				
	Y160M-4	11																											600	
	Y160L-4	15					250 550 B																				1700	250	940	645
	Y200L-2	30	300 600 C				775	335	615	600	665	120	140	6-ø28																
	Y200L-2	37																												
	Y225M-2	45																								300 600 B			600/600	815
Y250M-2	55			930																										
AIH100-80-125	Y90L-4	1.5	170 350 C	1048	170	600	335	250	430	350	390	80	100	510	8	4-ø19	100	156	180	220	8-ø18	80	132	160	200					8-ø18
	Y100L-4	2.2																										380		
	Y100L-4	3																												
	Y132S-2	7.5	170 350 A	1048	170	600	475			350	390																			
	Y160M-2	11																												
	Y160M-2	15																												
Y160M-2	18.5	190 400 A	1260	190	660	600	400	450	95																					

安装尺寸表 Installation dimension table

型号 Pump model	配套电机Electromotor		底座号	泵安装尺寸 Pump installation dimensions (mm)												进口法兰尺寸 Imported flange size					出口法兰尺寸 Export flange size						
	机座号 FRAME	功率Power(KW)	Base number	BL	BP	HC1	DL	H1	H2	HC2	Bw	OH	a	f	×1×2r	n-ØBH	D11	df1	D12	D13	k1-ød1	D21	df2	D22	D23	k2-ød2	
AIH125-100-315	Y160L-4	15	250 550 B	1700	250	940	645	360	675	550	610	110	140	805	11/140	4-ø28	125	184	210	250	8-ø18	100	156	180	220	8-ø18	
	Y180L-4	22					815																				
	Y200L-4	30					710																				
	Y280M-2	90	330 670 A	2220	330	600/600	930	390	705	670	730	40	140	805	140	6-ø28											
	Y315S-2	110	320 780 A	2150	320	700/700	1200																				
	Y315M-2	132					1250																				
	Y315L-2	160																									
AIH125-100-400	Y180L-4	22	250 550B	700	250	940	710	390	745	550	610	10	140	805	11/140	4-ø28	125	184	210	250	8-ø18	100	156	180	220	8-ø18	
	Y200L-4	30	300 600C	1860	300	600/600B	775								140	6-ø28											
	Y225S-4	37					820																				
	Y225M-4	45					845																				
	Y250M-4	55					930																				
AIH150-125-250	Y160L-4	15	250 550 B	1700	250	940	645	360	715	550	610	10	140	805	11/140	4-ø28	150	211	240	285	8-ø23	125	84	210	250	8-ø18	
	Y180M-4	18.5					670								11/140	4-ø28											
	Y180L-4	22					710								11/140	4-ø28											
	Y200L-4	30	300 600C	1860	300	600/600	775			600	665	120															
AIH150-125-315	Y180L-4	22	250 550B	1700	250	940	710	390	745	550	610	110	140	805	140	6-ø28	150	211	240	285	8-ø23	125	184	210	250	8-ø18	
	Y200L-4	30	300 600C	1860	300	600/600	775																				
	Y225S-4	37					820																				
	Y225M-4	45					845																				
	Y250M-4	55					930																				
AIH150-125-400	Y225S-4	37	300 600C	1860	300	600/600	710	425	825	600	665	120	140	805	11/140	6-ø28	150	211	240	285	8-ø23	125	184	210	250	8-ø18	
	Y225M-4	45					775								11/140												6-ø28
	Y250M-4	55					820																				
	Y280S-4	75	330 670 A	2220	330	930	670			730	140																
AIH200-150-250	Y200L-4	30	300 600 C	1860	300	600/600	755	390	765	600	665	20	150	805	140	6-ø28	200	266	295	340	12-ø23	150	211	240	285	8-ø23	
	Y225S-4	37					820																				
	Y250M*	55					930																				
AIH200-150-315	Y225M-4	45	330 670B	2220	330	600/600	845	425	825	670	730	140	150	920	180	6-ø28	200	266	295	340	12-ø23	150	211	240	285	8-ø23	
	Y250M-4	55					930																				
	Y280S-4	75					1000																				
	Y280M-4	90					1050																				
AIH200-150-400	Y280S-4	75	330 670 B	2220	330	600/600	5	425	875	670	730	140	160	920	180	6-ø28	200	266	295	340	12-ø23	150	211	240	285	8-ø23	
	Y280M-4	90																									
	Y315M-4	132	375 820 A	2435	375	800/800	1250			535	985	820															890
AIH200-150-500	Y315M-4	132	375 820A	2435	375	800/800	1250	595	1095	820	890	160	180	920	180	6-ø28	200	266	295	340	12-ø23	150	21	240	285	8-ø23	
	Y315L-4	200	375 920 A	2660			1365																				
	YR355M-4	250					1570																				
AIH250-200-315	Y280S-4	90	330 670 B	222	0330	600/600	1050	425	875	670	730	160	180	920	225	6-ø28	250	319	355	405	12-ø26	200	266	295	340	12-ø23	
	Y315S-4	110	375 820 A	2435	375	800/800	1200																				
	Y315L-4	160					1250																				
AIH250-200-400	Y315M-4	132	375 820 A	2435	375	800/800	1250	575	1075	820	890	160	180	920	225	6-ø28	250	319	355	405	12-ø26	200	266	295	340	12-ø23	
	Y315L-4	160	375 920 A	2660			900/900																				1365
	Y315L-4	200																									1570
AIH250-200-500	Y315L-4	200	375 820 A	2435	375	800/800	1250	620	1180	820	890	160	225	980	225	6-ø28	250	319	355	405	12-ø26	200	266	295	340	12-ø23	
	YR355M-4	250	375 920 B	2660			900/900																				1570
	YR355L-4	315																									
AIH300-250-400	Y315L-4	200	375 820B	2435	375	800/800	1250	645	1145	820	890	180	225	920	250	6-ø28	300	370	410	460	12-ø26	250	319	355	405	12-ø26	
	YR355M-4	250	375 920 B	2660			900/900																				570
	YR355L-4	315																									
AIH300-250-500	YR355M-4	250	375 920B	2660	375	900/900	1570	645	1315	920	990	200	225	980	250	6-ø28	250	319	355	405	12-ø26	200	266	295	340	12-ø23	
	YR355L-4	315																									
	YR400-4	400	375 920C	2800																							

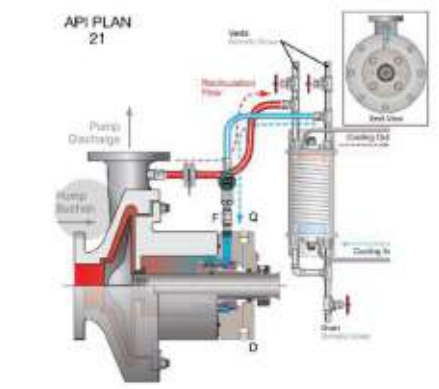
常用API冲洗方案 Common API flushing solutions



方案描述 Scheme description:
从泵的出口经过限流孔板，进入密封腔中进行密封冲洗；默认单密封冲洗方案。
From the outlet of the pump, it passes through the limiting orifice plate and enters the sealing chamber for sealing flushing; Default single seal flushing scheme.

采用原因 Reason for adoption:
密封腔散热；
增加密封腔压力和液体的汽化余量；
卧式泵密封腔排气。
Sealed cavity heat dissipation; Increase the pressure of the sealed chamber and the vaporization margin of the liquid; Horizontal pump sealing chamber exhaust.

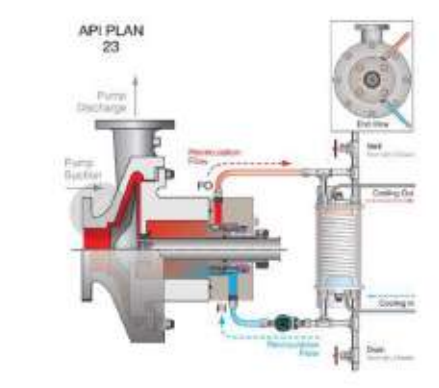
应用场合 Application scenarios:
一般用于清洁液体；非聚合液体。
Generally used for cleaning liquids; Non polymerized liquid.



方案描述 Scheme description:
从泵的出口引出，通过限流孔板和冷却器，进入到密封腔中；相比较PLAN11增加了冷却器进行散热。
From the outlet of the pump, it enters the sealed chamber through the flow restriction orifice plate and cooler in the middle; Compared to PLAN11, it has added a cooler for heat dissipation.

采用原因 Reason for adoption:
密封冷却；
降低流体温度以增加汽化余量。
Sealed cooling; Reduce fluid temperature to increase vaporization margin.

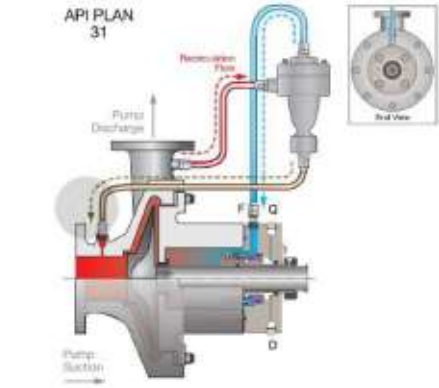
应用场合 Application scenarios:
高温工况，通常低于177°C；高于80°C热水；清洁的非聚合液体。
High temperature conditions, usually below 177°C; Hot water above 80 °C; Clean non polymerized liquid.



方案描述 Scheme description:
从内部泵送装置经冷却器，对密封进行冲洗；热水工况的标准冲洗方案。
Flush the seal from the internal pumping device through the cooler; Standard flushing plan for hot water conditions.

采用原因 Reason for adoption:
低冷却器负荷下高效的密封冷却；
增加液体的汽化余量、提高水的润滑性。
Efficient sealed cooling under low cooling load; Increase the vaporization margin of liquid and improve the lubricity of water.

应用场合 Application scenarios:
高温工况，热烃类；
清洁的非聚合液体。
High temperature conditions, hot hydrocarbons; Clean non polymerized liquid.

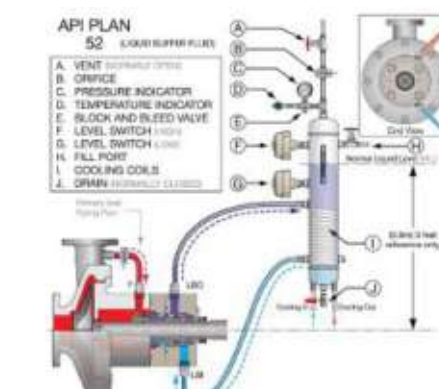


方案描述 Scheme description:
从泵的出口流出，经过旋液分离器之后，清洁的冲洗液体对密封过行冲洗；离心分离出固体颗粒返回泵进口。
After flowing out from the outlet of the pump and passing through the cyclone separator, the clean flushing liquid is sealed and flushed; Centrifuge to separate solid particles and return them to the pump inlet.

采用原因 Reason for adoption:
密封腔散热；
从冲洗液和密封腔去除固体颗粒。
Sealed cavity heat dissipation; Remove solid particles from the flushing solution and sealed chamber.

应用场合 Application scenarios:
不干净或被污染液体，含有沙子或管渣的水；
非聚合液体。
Unclean or contaminated liquids, water containing sand or pipe debris; Non polymer liquid.

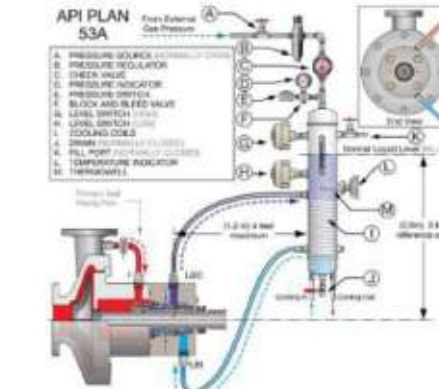
常用API冲洗方案 Common API flushing solutions



方案描述 Scheme description:
流经储液罐采用无压缓冲液循环；
流体通过的双密封中泵送环驱动循环。
Flow through the storage tank using non pressure buffer circulation
The pumping ring drives the circulation of fluid through the double seal.

采用原因 Reason for adoption:
非常低的工艺排放，不允许工艺介质污染；
外侧密封做为主密封安全后备。
Very low process emissions, no process medium pollution allowed; The outer seal serves as the primary seal for safety backup.

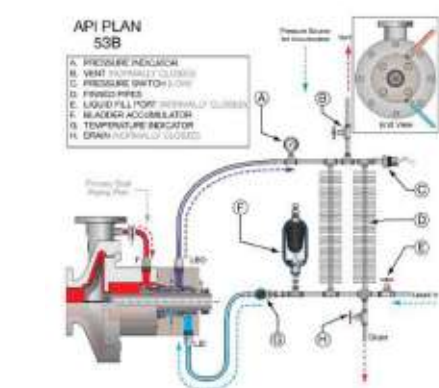
应用场合 Application scenarios:
与双密封(串式)配套使用;用于泵送危险有毒流体的场合;高饱和蒸汽压液体、轻烃;导热油体。
Used in conjunction with double seals (series); Used for pumping hazardous and toxic fluids; Highly saturated vapor pressure liquids and light hydrocarbons; Thermal oil body.



方案描述 Scheme description:
流经储液罐采用加压隔离液循环；
流体通过的双密封中泵送环驱动循环。
Circulating pressurized isolation fluid through the storage tank; The pumping ring drives the circulation of fluid through the double seal.

采用原因 Reason for adoption:
隔离工艺流体；工艺流体零排放。
Isolation process fluid; Zero discharge of process fluid.

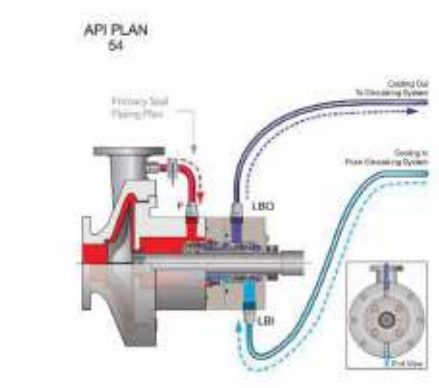
应用场合 Application scenarios:
与双密封(串式)配套使用;用于泵送危险有毒流体的场合;高饱和蒸汽压液体、轻烃;不干净、研磨性或聚合液体;真空工况。
Used in conjunction with double seals (series); Used for pumping hazardous and toxic fluids; Highly saturated vapor pressure liquids and light hydrocarbons; Unclean, abrasive or polymeric liquids; Vacuum working condition.



方案描述 Scheme description:
流经储液罐采用加压隔离液循环，附带囊式蓄能器；
流体通过的双密封中泵送环驱动循环。
Through the storage tank, pressurized isolation fluid circulation is used, accompanied by a bladder type accumulator; The pumping ring drives the circulation of fluid through the double seal.

采用原因 Reason for adoption:
隔离工艺流体;工艺流体零排放;压力高于53A方案。
Isolation process fluid; Zero discharge of process fluids; The pressure is higher than the 53A scheme.

应用场合 Application scenarios:
用于泵送危险有毒流体的场合;高饱和蒸汽压液体、轻烃;不干净、研磨性或聚合液体
Used for pumping hazardous and toxic fluids; Highly saturated vapor pressure liquids and light hydrocarbons; Unclean, abrasive or polymeric liquids.



方案描述 Scheme description:
加压隔离液通过外部系统循环。
The pressurized isolation fluid is circulated through an external system.

采用原因 Reason for adoption:
隔离工艺流体；
工艺流体零排放。
Isolation process fluid; Zero discharge of process fluids.

应用场合 Application scenarios:
与双密封(串式)配套使用；
不干净、研磨性或聚合液体；
高饱和蒸汽压液体、轻烃。
Used in conjunction with double seals (series);
Unclean, abrasive or polymeric liquids;
Highly saturated vapor pressure liquid, light hydrocarbon.

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