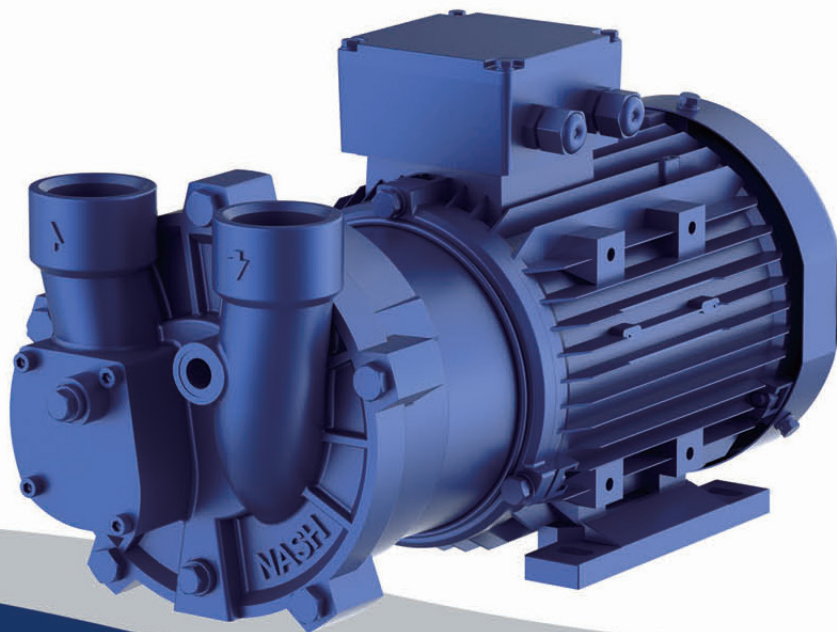


NASH EVO 新型液环真空泵

NASH EVO LIQUID RING VACUUM PUMP

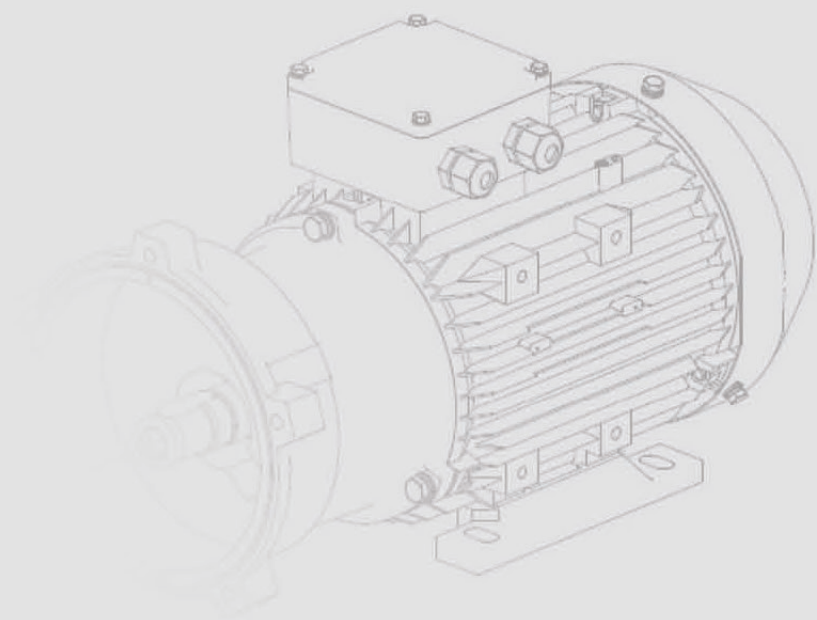
NEV2 070/071





倍缔纳士作为英格索兰 ITS 压力与真空事业部在亚太地区的生产基地和研发中心之一，深耕中国市场近 30 年，专注于在真空和气体压缩输送领域，为您提供 NASH、Garo、Hoffman、Lamson、Runtech、ROOTS 等跨品牌的一站式工程化系统解决方案。

As one of the production bases and R&D centers of Ingersoll Rand ITS in the Asia-Pacific region, NASH China is focusing on the field of vacuum and gas compression conveying, we provide cross-brand engineered system solutions such as NASH, Garo, Hoffman, Lamson, Runtech, ROOTS and more.





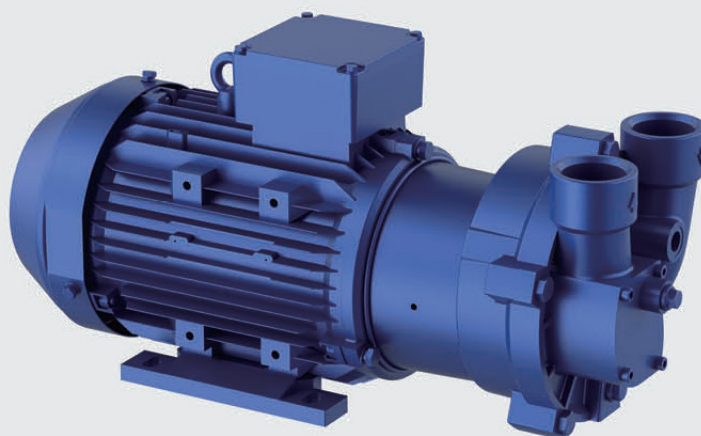
NASH EVO 新型液环真空泵 NEV 系列是在 2BV 系列产品上的全新升级。更适用于抽出气体、水蒸气及含有杂质的介质。吸气压力可到 33mbar.A(97% 真空度)。当真空泵在吸气压力低于 80mbarA 的状态下长期工作时，应链接汽蚀保护管以对泵进行保护。如配置大气喷射器吸气压力可达 10mbarA。喷射器可直接安装在真空泵上。

NEV 系列采用了节省空间的同轴设计（防护等级为 IP55），应用了多项专利技术。结构更简单，外观更精巧。性能更卓越，安装使用更方便，运行更稳定，使用寿命更长，维护成本更低。

NASH EVO new liquid ring vacuum pump is a new upgrade on the 2BV series, more suitable for extracting gas, water vapor and media containing impurities down to inlet pressures of 33 mbarA (97% vacuum). All these vacuum pumps are supplied with built-in cavitation protection. For long-term operation below 80 mbarA the cavitation protection should be connected for protecting the pump. An inlet pressure of 10 mbarA can be achieved by connecting a gas ejector. The gas ejector can be mounted directly onto the vacuum pump.

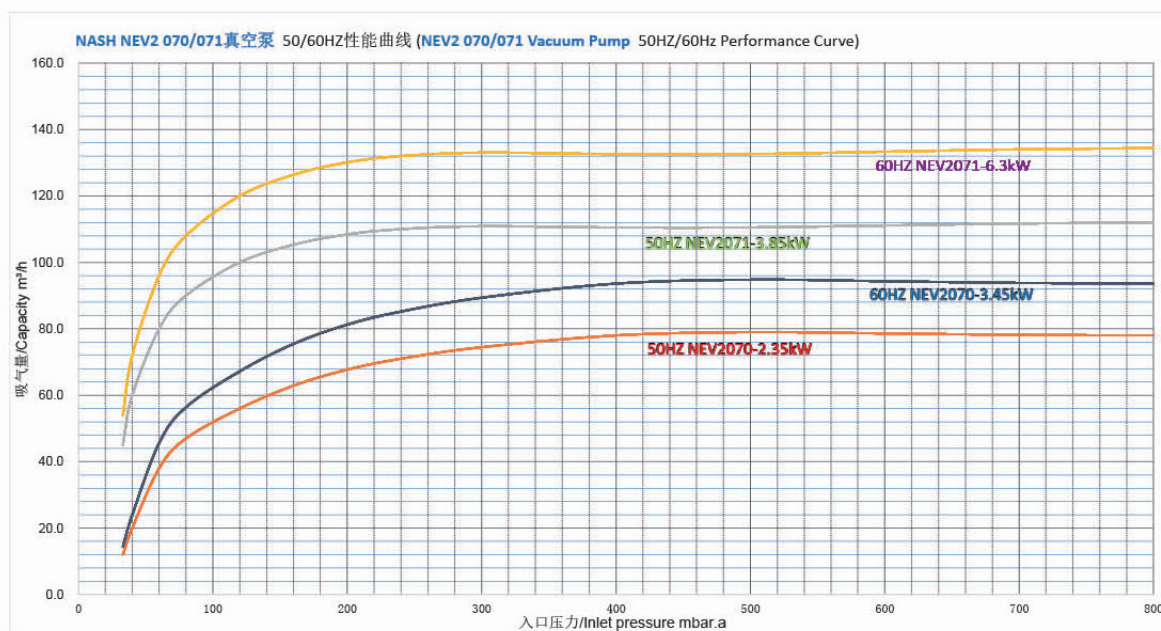
NEV series are space saving units in monoblock design (Protecting class) of patented technologies for a simpler structure and more compact appearance with better performance, easier installation and use, more stable operation, longer service life, and lower maintenance costs.

NEV2 070/071



新型液环真空泵 NASH EVO LIQUID RING VACUUM PUMP

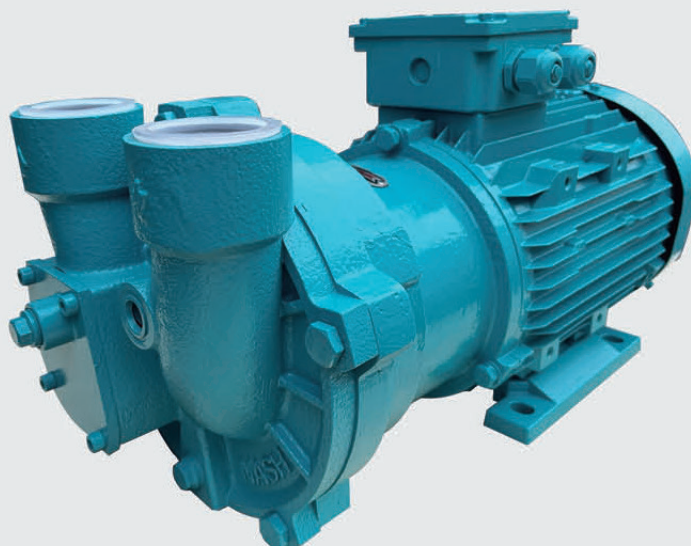
性能曲线 /Performance curve



性能曲线是在下列条件下得出的：气体为 20℃ 的饱和空气，排气压力为 1013mbarA，工作液温度 15℃，性能允许误差为 $\pm 10\%$ 。在配用大气喷射器后，吸气压力可小于 33mbar。

The characteristic curves are based on the evacuation of 100% saturated air with a temperature of 20°C. Discharge pressure is 1013mbarA, and the operating liquid is water with a temperature of 15°C, tolerance $\pm 10\%$. The inlet pressure below 33mbarA are achieved with the vacuum pump and connected gas ejector (accessory).

NEV2 070/071



产品特点

- 专利紧凑型设计，部件数量更少，尺寸更小。
- 100% 无油设计。
- 特殊的 Lobe purge 接口设计。
- 独特的外置开放式检修窗口。
- 多种材质可选。
- 多种真空泵附件可选，包括汽蚀保护阀，工作液恒流阀和吸排气口快速接头。

用户收益

- 结构更简单，占地面积更少。
- 更环保，保证工艺介质干净无油污染。
- 满足在运行工况下泵自清理需求，清理更容易，且延长了泵使用寿命。
- 不用拆解泵即可更换阀板，检修更便捷。
- 适合多种苛刻的工况条件。
- 让泵的安装和使用更简单，并提升了运行稳定性和可靠性。

Product Feature

- Patented compact design, fewer parts, smaller size.
- 100% oil-free design.
- Special Lobe purge interface design.
- Unique external open inspection window.
- A variety of materials are available.
- A variety of vacuum pump accessories are available, including cavitation protection valves, constant flow valves for operating liquid and suction and quick connections on suction and discharge.

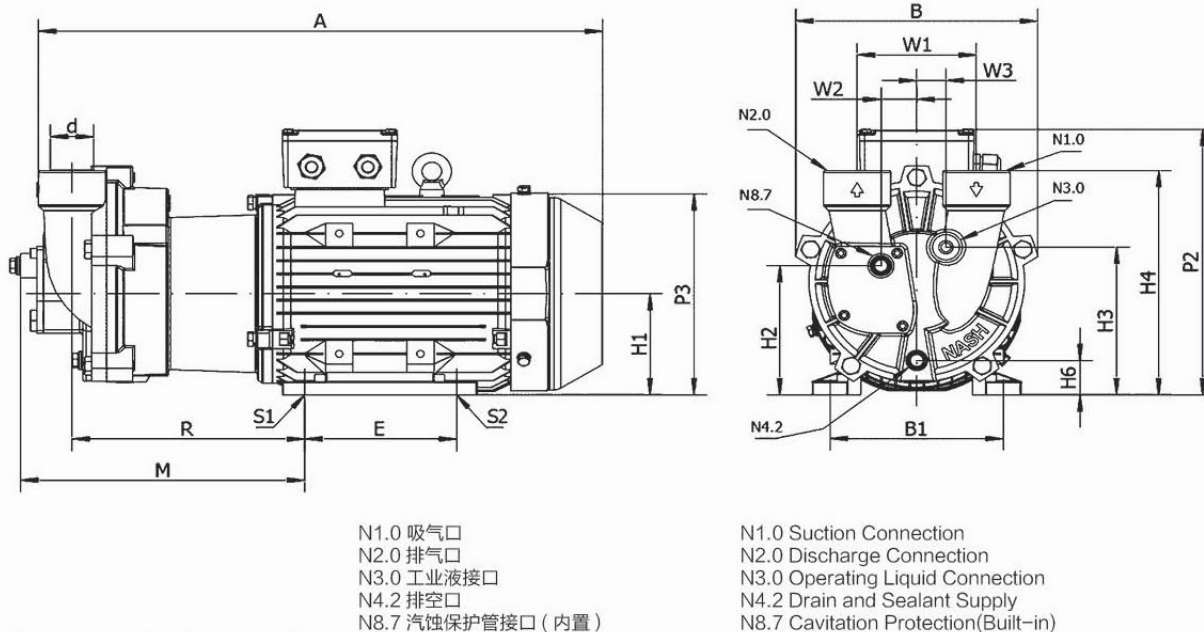
Benefits

- Simpler structure and less footprint.
- More environmentally friendly, to ensure that the process medium clean without oil pollutions.
- To meet the needs of self-cleaning pump under operating conditions, cleaning is easier and prolongs the service life of the pumps.
- The valve plate can be replaced without the pump, making maintenance more convenient.
- Suitable for a variety of harsh working conditions.
- It makes installation and use of the pump easier and improves operational stability and reliability.

NEV2 070/071 性能参数 /Performance Parameter

型号 Model	最大气量 Capacity Max. m ³ /h	结构材料 1) 泵体 / 圆盘 / 叶轮 Material of construction Casing/port plate/impeller	电机额定功率 (千瓦) Motor Rated output kW	额定电压 (伏) Rated voltage V	额定电流 (安培) Rated current A	噪音 2) (分贝) Sound pressure level Db(A)	订购号 Order No.	重量 (公斤) Weight apporx, Kg
整体设计的 Nash NEV 系列真空泵, 50HZ, IE3, IP55 Nash NEV series vacuum pumps in monoblock design, 50Hz, IE3, IP55								
NEV2 070	80	铸铁 / 铸铁 / 铝青铜 Cast iron/bronze/bronze	2.35	220 Δ /380Y	12.1 Δ /7Y	66	NEV20700NC002P	43.2
NEV2 071	110	铸铁 / 铸铁 / 铝青铜 Cast iron/bronze/bronze	3.85	380 Δ /660Y	9.4 Δ /5.4Y	72	NEV20710NC037P	53
整体设计的 Nash NEV 系列真空泵, 60HZ, IE3, IP55 Nash NEV series vacuum pumps in monoblock design, 60Hz, IE3, IP55								
NEV2 070	94	铸铁 / 铸铁 / 铝青铜 Cast iron/cast iron/bronze	3.45	220 Δ /380Y	13.7 Δ /7.9Y	71	NEV20700NF076P	45.2
NEV2 071	140	铸铁 / 铸铁 / 铝青铜 Cast iron/cast iron/bronze	6.3	380 Δ /660Y	14.1 Δ /8.1Y	76	NEV20710NF077P	76
1) 参阅材料结构说明。 See materials of construction pages 5 to 8. 2) 噪音是在进气压力 (100 毫巴) 和管路已连接好的情况下距其 1 米处测量。根据 DIN45635, 第 13 部分。 Measuring-surface sound-pressure level in acc.with DIN 45635, Part 13, measured at 1 m distance at medium inlet pressure (100mbarA) and with pipes connected.								

NEV2 070/071 外形尺寸图 /Outline Drawing



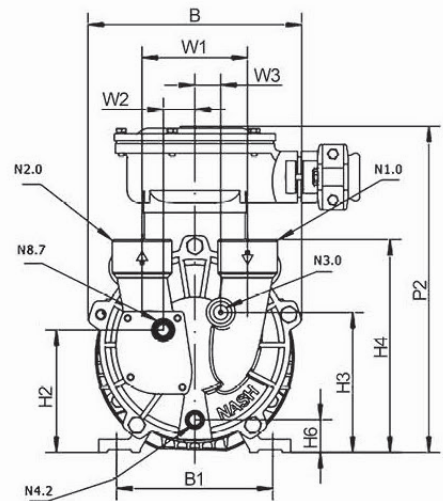
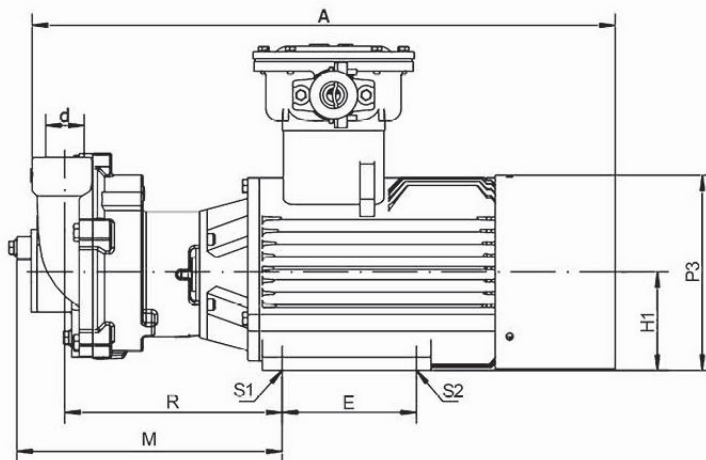
外形尺寸 (单位: mm)

型号 MODEL	A	B	B1	E	H1	H2	H3	H4	H6	M	P2	P3	R	S2	W1	W2	W3	d(N1.0&N2.0)	N3.0	N4.2	N8.7
NEV2070 50/60HZ	530	225	160	140	100	128	146	222	33	262	265	200	252	φ 12	110	33	27	G1 1/2 "x22	G3/8 "x12	G1/4" x12	G1/4" x12
NEV2071 50HZ	574	225	190	140	112	140	158	234	45	293	300	220	278	φ 12	110	33	27	G1 1/2 "x22	G3/8 "x12	G1/4" x12	G1/4" x12
NEV2071 60HZ	578	225	216	140	132	160	178	254	65	325	326	260	278	φ 12	110	33	27	G1 1/2 "x22	G3/8 "x12	G1/4" x12	G1/4" x12

NEV2 防爆电机性能 50HZ / Performance Parameter

型号 Model	最大气量 Capacity Max. m ³ /h	结构材料 1) 泵体 / 泵盖 / 叶轮 Material of construction Casing/cover/impeller	电机额定功率 (千瓦) Motor Rated output kW	额定电压 (伏) Rated voltage V	额定电流 (安培) Rated current A	噪音 2) (分贝) Sound pressure level Db(A)	订购号 Order No.	重量 (公斤) Weight apporx, Kg
整体设计的 Nash NEV-Exd 真空泵, 50HZ, DIIBT4 Nash NEV-Exd vacuum pumps in monoblock design, 50Hz, DIIBT4								
NEV2 070	80	铸铁 / 铸铁 / 铝青铜 Cast iron/cast iron/bronze	3	220 Δ /380Y	10.4 Δ /6Y	66	NEV20700NE002P	35
NEV2 071	110	铸铁 / 铸铁 / 铝青铜 Cast iron/cast iron/bronze	4	380 Δ /660Y	7.8 Δ /4.5Y	72	NEV20710NE037P	65
整体设计的 Nash NEV-Exd 不锈钢真空泵, 50HZ, DIIBT4 Nash NEV-Exd stainless steel vacuum pumps in monoblock design, 50Hz, DIIBT4								
NEV2 070	80	不锈钢 / 不锈钢 / 不锈钢 CrNi steel/CrNi steel/CrNi steel	3	220 Δ /380Y	10.4 Δ /6Y	66	NEV20700HE002P	40
NEV2 071	110	不锈钢 / 不锈钢 / 不锈钢 CrNi steel/CrNi steel/CrNi steel	4	380 Δ /660Y	7.8 Δ /4.5Y	72	NEV20710HE037P	70
1) 参阅材料结构说明。 See materials of construction pages 5 to 8. 2) 噪音是在进气压力 (100 毫巴) 和管路已连接好的情况下距其 1 米处测量。根据 DIN45635, 第 13 部分。 Measuring-surface sound-pressure level in acc.with DIN 45635, Part 13, measured at 1 m distance at medium inlet pressure (100mbarA) and with pipes connected.								

NEV2 防爆电机尺寸 / Outline Drawing



N1.0 吸气口
 N2.0 排气口
 N3.0 工业液接口
 N4.2 排空口
 N8.7 汽蚀保护管接口 (内置)

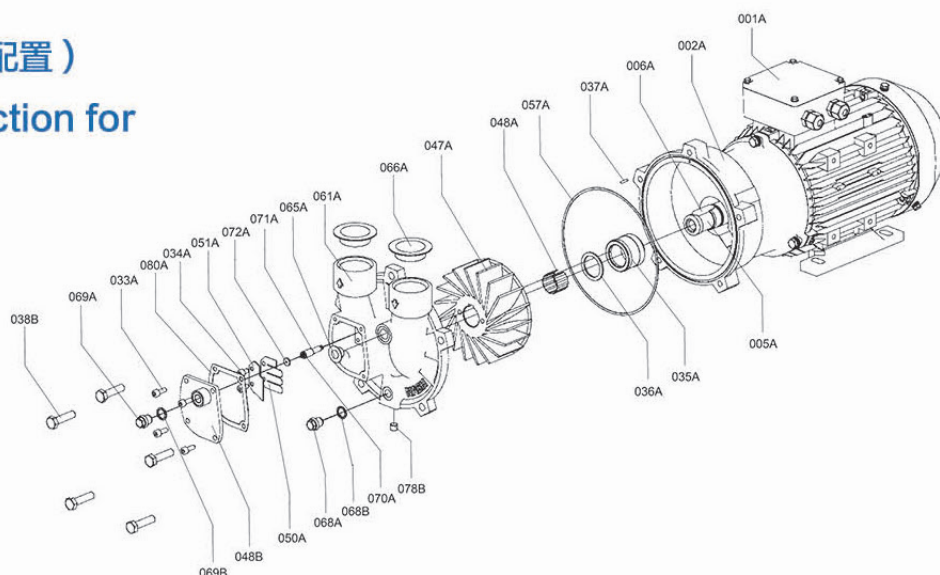
N1.0 Suction Connection
 N2.0 Discharge Connection
 N3.0 Operating Liquid Connection
 N4.2 Drain and Sealant Supply
 N8.7 Cavitation Protection (Built-in)

外形尺寸 (单位: mm)

型号 MODEL	A	B	B1	E	H1	H2	H3	H4	H6	M	P2	P3	R	S2	W1	W2	W3	d(N1.0 & N2.0)	N3.0	N4.2	N8.7
NEV2070	608	223	160	140	100	128	146	222	33	274	340	203	227	φ12	110	33	27	G1 1/2 "x22	G3/8 "x12	G1/4" x12	G1/4" x12
NEV2071	655	223	190	140	112	140	158	234	45	305	373	220	258	φ12	110	33	27	G1 1/2 "x22	G3/8 "x12	G1/4" x12	G1/4" x12

NEV2 结构材料 (标准配置)

Materials of construction for NEV2 (Standard)



零件号 Part No.	名称 Name	材料 灰口铸铁 / 灰口铸铁 / 铝青铜	Material Cast iron/Cast iron/Bronze
002A	泵体 Casing	灰口铸铁 GB/T 9439-2010-HT200	Grey cast iron ASTM A48/A48M-2003/CLASS30B
005A	电机轴 Motor shaft	不锈钢 GB/T 1220-2007-20Cr13	Chrome steel ASTM A276/A276M-17 420
006A	键 Feather key	不锈钢	Chrome steel
033A	内六角螺钉 Bolt	钢	Steel
034A	内六角螺钉 Bolt	不锈钢	Chrome-nickel steel
035A	机械密封 Mechanical seal	石墨 / 陶瓷 / 氟橡胶 / 不锈钢	Carbon/ceramic/fluorine-caotchouc/chrome-nickel steel
036A	垫圈 Washer	不锈钢	Chrome-nickel steel
037A	定位销 Pin	钢	Steel
038B	螺栓 Bolt	钢	Steel
047A	叶轮 Impeller	铝青铜 EN 1982-CC333G	Cast aluminium bronze ASTM B148-14/C95500
048A	叶轮间隙环 Tolerance ring for impeller	不锈钢 EN 10088-1.4310	Chrome-nickel steel EN 10088-1.4310
048B	盖板 Plate	灰口铸铁电泳	Grey cast iron E-coating
050A	阀片 Valve plate	聚四氟乙烯	Teflon
051A	阀片挡板 Intercepting plate	不锈钢	Chrome-nickel steel
057A	O型圈 O-ring	丁晴橡胶	NBR
061A	泵盖 Pump cover	灰口铸铁电泳 GB/T 9439-2010-HT200	Grey cast iron E-coating ASTM A48/A48M-2003/CLASS30B
065A	锥形管塞 Tapered cap	塑料	Plastic
066A	防尘盖 Shipping cover	塑料	Plastic
068A	丝堵 Plug screw	钢	Steel
068B	密封环 Sealing ring	聚四氟乙烯	Teflon
069A	丝堵 Plug screw	尼龙	Nylon
069B	气蚀垫定位环 Locating ring	不锈钢	Chrome-nickel steel
071A	气蚀保护管 Pipe for cavitation protection	不锈钢	Chrome-nickel steel
070A	O型圈 O-ring	丁晴橡胶	NBR
072A	气蚀保护垫 Washer for cavitation protection	不锈钢	Chrome-nickel steel
078B	丝堵 Plug screw	钢	Steel
080A	盖板垫片 Gasket	聚四氟乙烯	Teflon

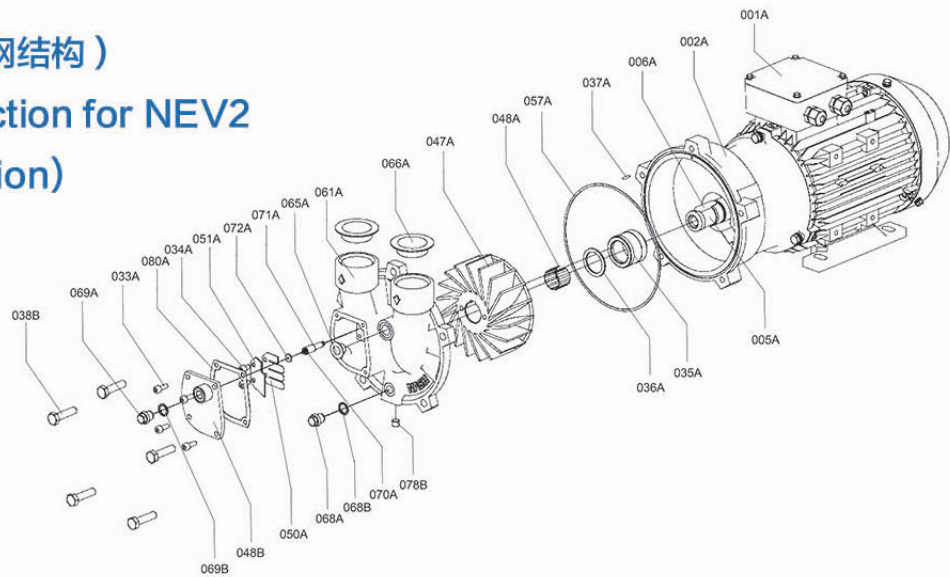
备注: 机封可选材质 - 石墨 / 碳化硅 / 全氟醚 + 全氟醚 / 不锈钢

Note: Machine seal optional material - Carbon/SiC/PTFE encapsulated FKM + FFKM/Chrome-nickel steel

NEV2 结构材料（不锈钢结构）

Materials of construction for NEV2

(Stainless steel version)



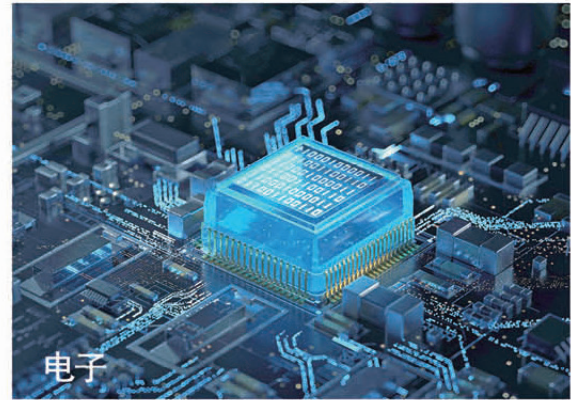
零件号 Part No.	名称 Name	材料 不锈钢	Material CrNi steel
002A	泵体 Casing	不锈钢 BS EN 10283-2010 1.4581	Cast chrome-nickel steel ASTM A351/A351M-2016/CF3M
005A	电机轴 Motor shaft	不锈钢 GB/T 1220-2007-022Cr17Ni12Mo2	Chrome-nickel steel ASTM A276/A276M-17/316L
006A	键 Feather key	不锈钢	Chrome-nickel steel
033A	内六角螺钉 Bolt	不锈钢	Chrome-nickel steel
034A	内六角螺钉 Bolt	不锈钢	Chrome-nickel steel
035A	机械密封 Mechanical seal	石墨 / 碳化硅 / 包氟橡胶 + 全氟醚 / 不锈钢	Carbon/SiC/PTFE encapsulated FKM + FFKM/ Chrome-nickel steel
036A	垫圈 Washer	不锈钢	Chrome-nickel steel
037A	定位销 Pin	不锈钢	Chrome-nickel steel
038B	螺栓 Bolt	不锈钢	Chrome-nickel steel
047A	叶轮 Impeller	不锈钢 BS EN 10283-2010 1.4581	Cast chrome-nickel steel ASTM A351/A351M-2016/CF3M
048A	叶轮间隙环 Tolerance ring for impeller	不锈钢 EN 10088-1.4310	Chrome-nickel steel EN 10088-1.4310
048B	盖板 Plate	不锈钢	Chrome-nickel steel
050A	阀片 Valve plate	聚四氟乙烯	Teflon
051A	阀片挡板 Intercepting plate	不锈钢	Chrome-nickel steel
057A	O 型圈 O-ring	聚四氟乙烯包绕氟橡胶	Viton,double(PTFE) sheathed
061A	泵盖 Pump cover	不锈钢 BS EN 10283-2010 1.4581	Cast chrome-nickel steel ASTM A351/A351M-2016/CF3M
065A	锥形管塞 Tapered cap	塑料	Plastic
066A	防尘盖 Shipping cover	塑料	Plastic
068A	丝堵 Plug screw	不锈钢	Chrome-nickel steel
068B	密封环 Sealing ring	聚四氟乙烯	Teflon
069A	丝堵 Plug screw	尼龙	Nylon
069B	气蚀垫定位环 Locating ring	不锈钢	Chrome-nickel steel
071A	气蚀保护管 Pipe for cavitation protection	不锈钢	Chrome-nickel steel
070A	O 型圈 O-ring	氟橡胶	FKM
072A	气蚀保护垫 Washer for cavitation protection	不锈钢	Chrome-nickel steel
078B	丝堵 Plug screw	不锈钢	Chrome-nickel steel
080A	盖板垫片 Gasket	聚四氟乙烯	Teflon
备注：机封可选材质 - 石墨 / 碳化硅 / 全氟醚 + 全氟醚 / 不锈钢 Note:Machine seal optional material-Carbon/SiC/PTFE encapsulated FKM + FFKM/Chrome-nickel steel			

NEV2 070/071 附件和订购数据

NEV2 附件订购数据 Selection and ordering data accessories for NEV2

		材质 Material	泵型号 For type	订购号 Order No.	重量 Weight approx. kg
	汽水分离器 带内循环管路 和汽蚀保护管 Discharge liquid separator including recirculation pipe and cavitation protection pipe	钢 Steel	NEV2 070-0N... NEV2 071-0N...	2BX1 062 2BX1 062	7 7
		不锈钢 Chrome-nickel steel	NEV2 070-0N... NEV2 071-0N...	2BX1 062 2BX1 062	10 10
	止回阀 (对夹式) 垂直安装 Non-return valve (between flanges) for vertical mounting	钢 Steel	NEV2 070-0N... NEV2 071-0N...	2BY6 904-0BX08 2BY6 904-0BX08	0.7 0.7
		不锈钢 Chrome-nickel steel	NEV2 070-0N... NEV2 071-0N...	2BY6 904-0HX08 2BY6 904-0HX08	0.8 0.8
	安装配件 用于将止回阀直接安装在泵上 Mounting accessory for direct mounting of the non-return valve onto the pump 包括一套法兰, 螺栓和垫片 consisting of 1 set of flanges, fixing screws and gaskets	铸铁 Cast iron	NEV2 070-0N... NEV2 071-0N...	已包含于相应的 止回阀内 Included in the no-return valve	1.5 1.9
		不锈钢 Chrome-nickel steel			
	大气喷射器 Gas ejector				
	Mains frequency 50 Hz and 60Hz 频率 50Hz/60Hz				
	曲线 编号 Curve No. 70V + 270V 71V + 271V	大气阀体, 扩压器, 喷嘴 Head; diffuser; nozzle 铸铁, 黄铜, 黄铜 Cast iron; brass; brass	NEV2 070-0N... NEV2 071-0N...	2BP1 070-1N 2BP1 071-1N	3 4
	动态压差平衡电动开关阀 带直行程热电阻执行器 Constant flow valve with thermoelectric actuator	铜 Copper	NEV2 070-0N... NEV2 071-0N...	273504015 273504015	0.634 0.634
	卫生级快装端头 带快装卡箍、密封圈和快装堵头 Quick joint with clamp, sealing ring and blind plate	不锈钢 Chrome-nickel steel	NEV2 070-0N... NEV2 071-0N...	14290502 14290502	0.7 0.7
	气蚀保护阀 Cavitation protection valve	铜 Copper	NEV2 070-0N... NEV2 071-0N...	2710008009 2710008009	0.044 0.044

应用行业 /Applications:



医疗，电子，化工，制药，食品，饮料，环保等行业及碳氢清洗，塑料挤出，包装机械等各种应用场景。
Medical, electronic, chemical, pharmaceutical, food, beverage, environmental protection and other industries and hydrocarbon cleaning, plastic extrusion, packaging machinery and other application scenarios.

NASH 产品和系统



NASH™ 液环真空泵 & 系统

可以为所有苛刻应用提供可靠和持久的解决方案。通过持续的承诺和创新，NASH 液环真空泵，满足最严格的应用要求，提高效率和降低使用成本。



NASH™ 和 GARO™ 液环压缩机

可以为所有苛刻应用提供坚固和可靠的解决方案。在最苛刻的条件下的应用经验证明，其设计适用于处理有毒、易爆和有腐蚀性气体。



NASH™ 罗茨增压泵复合系统

NASH 的罗茨技术是一项十分成熟的技术，可应用于多种真空场景。与其他前级泵搭成真空机组，不仅会提升极限真空，加大抽速，同时也会减少能耗，达到更理想的使用体验。



NASH™ 蒸汽喷射器和系统

无论是单独使用，还是作为 NASH Ener-Jet™ 复合真空系统的一部分，NASH 蒸汽喷射器按最佳效率设计，减少了蒸汽消耗，同时具有大处理量，保持高真空的水平。



NASH 认证的服务和支持

NASH 认证的服务和支持可以保持 NASH&GARO 设备的性能、可靠性和效率。通过我们的全球网络服务和配送中心，NASH 认证的服务团队可以为您提供快速、专业维修、服务、预防性维护和原装配件。



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