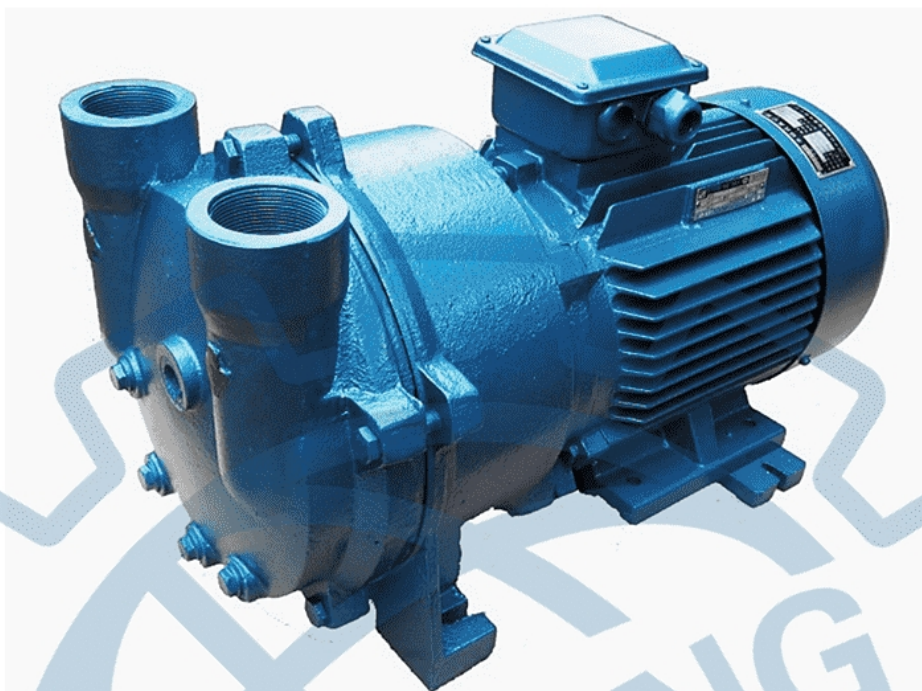


2BV系列真空泵 2BV Series Vacuum Pump



描述 Introduction

2BV系列水环真空泵为整体结构—机泵同轴的单级泵。轴封采用机械密封，具有结构简单，安装简捷、无油、安全可靠等特点。此泵适于抽除气体和湿润蒸汽，吸气压力可达到 33mbar 绝压（97%真空度）。广泛用于石油、化工、制药、食品、制糖工业等领域。

2BV series water ring vacuum pump is a single stage pump with integral structure and coaxial pump. Shaft seal adopts mechanical seal, with the characteristics of simple structure, simple installation, oil free, safe and reliable. The pump is designed to remove gas and wet steam, and the suction pressure can reach 33mbar absolute pressure (97% vacuum). Widely used in petroleum, chemical, pharmaceutical, food, sugar industry and other fields.

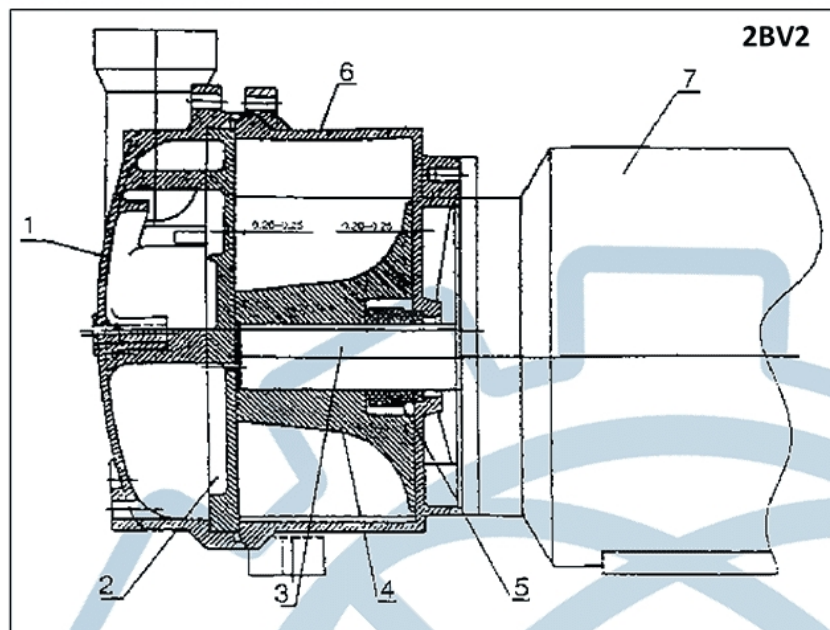
特点 Feature

- 1、直接耦合设计，安装方便，节省空间。 The direct-coupled design is easy installation and can save space .
- 2、泵在保证最大吸入效果的情况下，有气蚀保护口开启(或与分离器连接)，以消除气蚀噪声，保护泵。
2. 2、 The pump has the cavitation protection port opens (or connects with the separator) in the case of ensure maximum suction effect to eliminate the noise of cavitation and protect the pump.
- 3、 2BV全系列泵均采用高强度铝青铜叶轮，提高了泵的耐腐蚀性和耐久性。液体流动部件采用不锈钢，泵可在较恶劣的环境下工作。
3、 2BV whole series are all use the aluminum bronze impeller with high strength and raise its corrosion resistance and durability .If the liquid flows parts adopt stainless steel, the pump can work in the

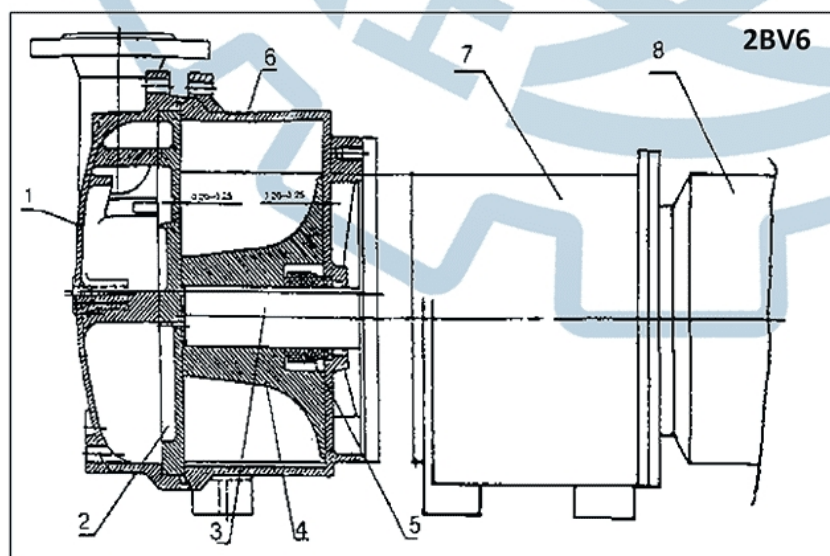
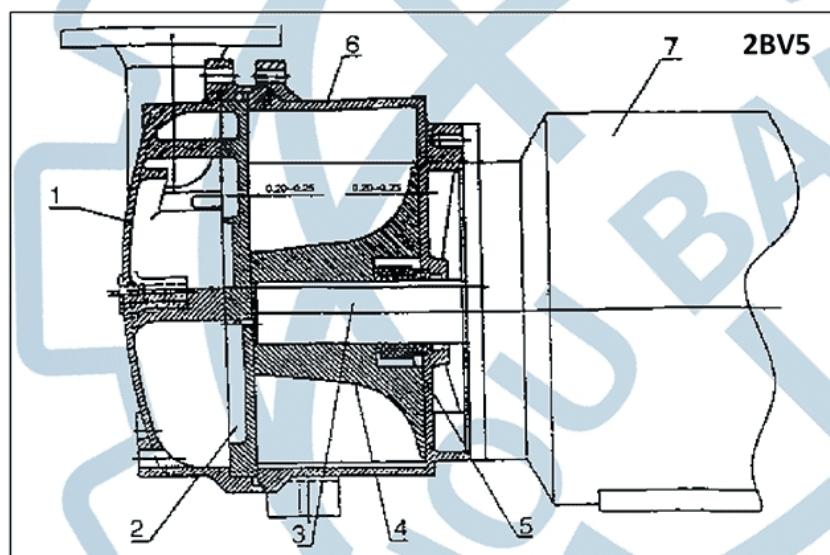
应用范围 Application:

造纸行业: Pulp & paper industry:	液体蒸发、真空脱水、脱气系统 、原料及白水、吸水槽、沙发辊、吸移辊、传动辊、防风箱 ; black liquid evaporation, vacuum dehydrator, degassing system of raw materials and white water, suction tank, couch roll, absorption-shift roll and transmission roll, Anti-wind box ;
化学工业: Chemical industry:	甲烷气回收, 石油回收, 气体收集, 排气 压缩, 蒸汽收集, 过滤和减缩, 聚酯生产, PVC生产; methane gas recovery, petroleum recycle, gas collection, exhaust compression, vapor collection, filtration and decoration, polyester Production, PVC Production ;
动力装置: Power plant:	凝汽器排气、水盒底漆、烟气脱硫、飞灰输送、地热气去除、变压器真空加压浸渍; condenser exhausting, water box priming, flue gas desulfurization, fly ash conveying, geothermal gas removal, Vacuum Pressure impregnation for transformers ;
制糖业: Sugar industry:	污水过滤、二氧化碳生产等; Sewage filtering, CO2 production etc ;

结构图 Structure Chart



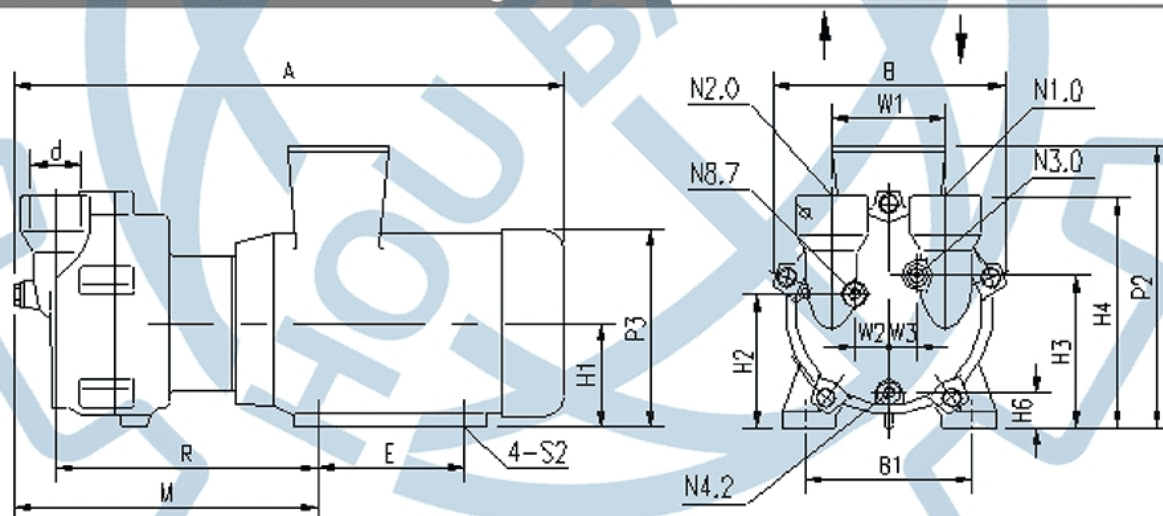
1. 泵盖 Pump cover
2. 园盘 Separating plate
3. 平键 Key
4. 叶轮 Impeller
5. 机械密封 Mechanical seal
6. 泵体 Pump body
7. 电动机(Long shaft) motor



技术参数 Technical Specification

Model	最大气量 Max. Suction capacity		极限压力 min inhalted pabs(Mba/Mpa)	电机功率 Motor power (kw)50Hz	电机防爆等级 Motor explosion-proof grade	转速Pump Speed (rpm)	水耗量 Operating liquid flow rate (L/min)	噪音 Noise dB(A)	重最 Weight (kg)
	(m³/h)	m3/min							
2BV2-060	27	0.45	33/-0.097	Y90S-2-0.81KW	Non-explosion proof	2840	2.5	62	31
2BV2-061	52	0.86		Y90S-2-1.45KW		2840	2.5	65	36
2BV2-070	80	1.33		Y100L-2-2.35KW		2860	3	66	56
2BV2-071	110	1.83		Y112M-2-3.85KW		2880	4.7	72	60
2BV5-110	165	2.75		Y112-4-4KW		1440	7.2	63	105
2BV5-111	230	3.83		Y132-4-5.5KW		1440	8.8	68	126
2BV5-121	280	4.66		Y132-4-7.5KW		1440	11	69	149
2BV5-131	400	6.66		Y160-4-11KW		1460	16	73	195
2BV5-161	500	8.33		Y180-6-15KW		970	22	74	320
2BV6-110	165	2.75		YB112-4-4KW	Explosion proof DIIBT4/DIICT4	1440	6.7	63	150
2BV6-111	230	3.83		YB132-4-5.5KW		1440	10	68	200
2BV6-121	280	4.66		YB132-4-7.5KW		1440	12	69	230
2BV6-131	400	6.66		YB160-4-11KW		1460	17	73	280
2BV6-161	500	8.33		YB180-6-15KW		970	23	74	400

2BV2外形尺寸图 Overall and Dimensions Figure



N1.0吸气口Inlet ; N2.0:排气口Outlet ; N3.0工作接液口Operating liquid connection ;
N4.2排水口Drain port ; N8.7气蚀保护（内置）Cavitation connection;

型号	A	B	B1	H1	H2	H3	H4	H6	E	P2	P3
2BV2-060	455	186	140	90	118	126	195	37.5	100	250	180
2BV2-061	476	186	140	90	118	195	195	37.5	100	250	180
2BV2-070	545	223	160	222	100	128	222	33	140	270	203
2BV2-071	566	223	234	140	112	140	234	45	190	300	225

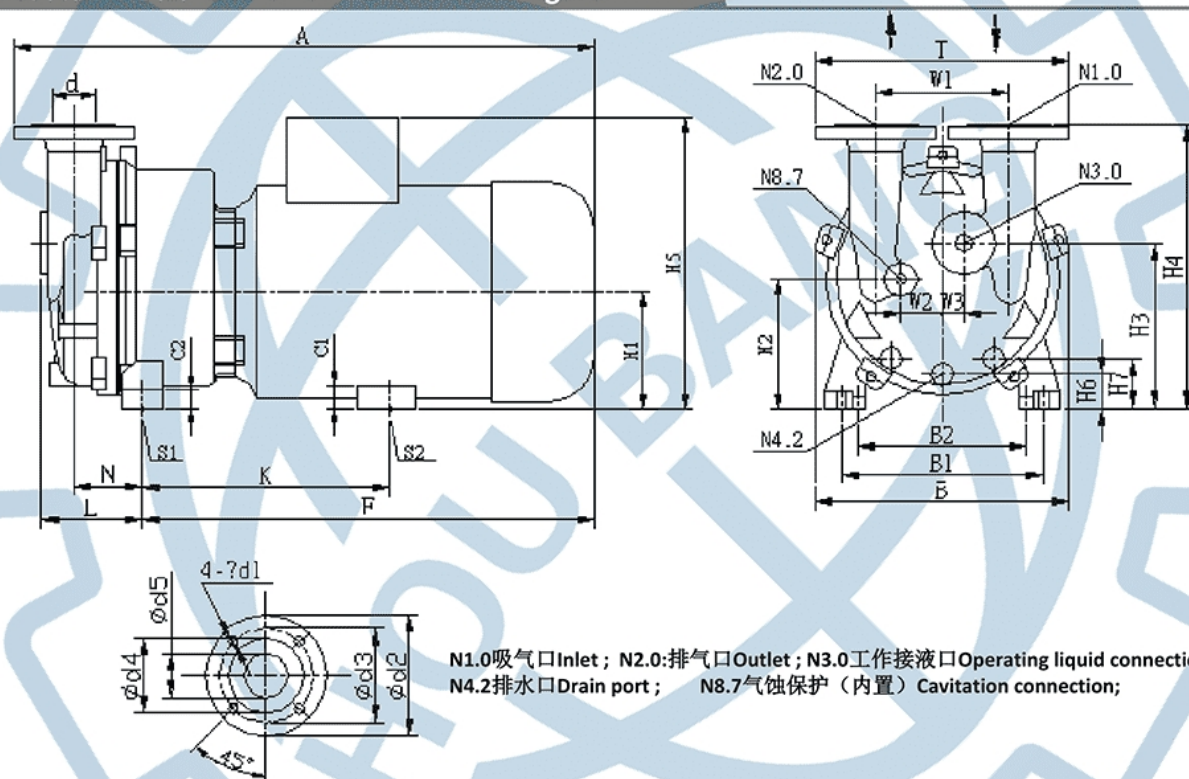
型号	R	M	S2	W1	W2	W3	D(N1.0)	D(N2.0)	CN3.0	N4.2	N8.7
2BV2-060	217	244	φ10	110	26	21	G1"	G1"	G3/8"	G1/4"	G3/8"
2BV2-061	236	263	φ10	110	26	21	G1"	G1"	G3/8"	G1/4"	G3/8"
2BV2-070	252	280	φ12	110	33	27	G1-1/2"	G1-1/2"	G3/8"	G1/4"	G3/8"
2BV2-071	278	309	φ12	110	33	37	G1-1/2"	G1-1/2"	G3/8"	G1/4"	G3/8"

工作原理 Working Principle

型号	A	B	B1	H1	H2	H3	H4	H6	E	P2	P3
2BV2-060	455	186	140	90	118	126	195	37.5	100	250	180
2BV2-061	476	186	140	90	118	195	195	37.5	100	250	180
2BV2-070	545	223	160	222	100	128	222	33	140	270	203
2BV2-071	566	223	234	140	112	140	234	45	190	300	225

型号	R	M	S2	W1	W2	W3	d	N3.0	N4.2	N8.7
2BV2-060	217	244	φ10	110	26	21	G1"	G3/8"	G1/4"	G3/8"
2BV2-061	236	263	φ10	110	26	21	G1"	G3/8"	G1/4"	G3/8"
2BV2-070	252	280	φ12	110	33	27	G1-1/2"	G3/8"	G1/4"	G3/8"
2BV2-071	278	309	φ12	110	33	37	G1-1/2"	G3/8"	G1/4"	G3/8"

2BV5外形尺寸图 Overall and Dimensions Figure

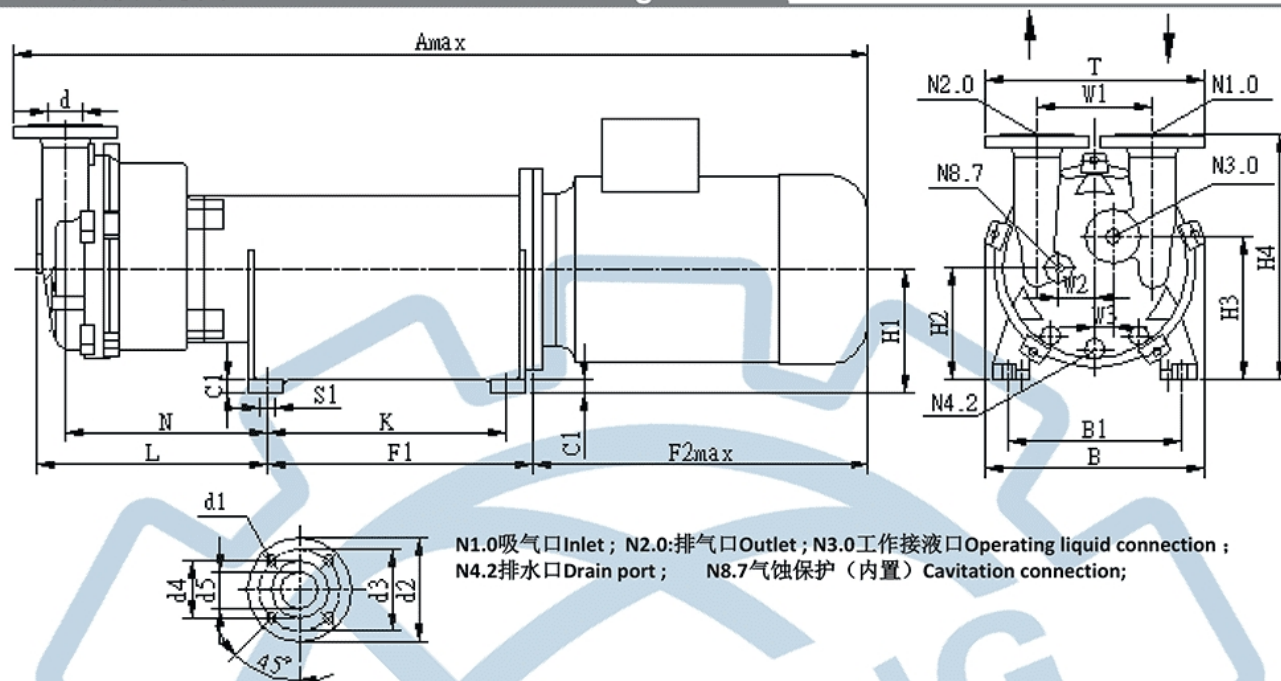


型号	A	B	B1	B2	C1	C2	H1	H2	H3	H4	H5	H6	H7	F	K	L
2BV5-110	637	325	255	190	41	26	140	156	202	361	328	38	57	464	342	130
2BV5-111	679	325	265	216	36	26	150	166	212	371	363	48	68	500	348	130
2BV5-121	711	347	265	216	36	26	150	167	217	385	363	39	60	584	430	147
2BV5-131	852	377	300	254	35	30	175	194	249	427	435	53	76	658.5	477.5	147
2BV5-161	1044	479	370	279	30	30	210	225	303	521	485	51	80	808	565	201

型号	N	T	S1	S2	d1	d2	d3	d4	d5	w1	W2	W3	d(N1.0)	N2.0	N3.0	N4.2	N8.7
2BV5-110	92	340	φ12	φ12	19	160	123	97	52	180	52	52	DN50	DN50	G3/4"	G3/8"	G3/8"
2BV5-111	92	340	φ12	φ12	19	160	123	97	52	180	52	27	DN50	DN50	G3/4"	G3/8"	G3/8"
2BV5-121	97	381.5	φ12	φ12	19	182	142	113	67	200	57	29	DN65	DN65	G3/4"	G3/8"	G3/8"
2BV5-131	103	381.5	φ15	φ15	19	182	142	113	67	200	63	32	DN65	DN65	G3/4"	G3/8"	G3/8"
2BV5-161	138	450	φ15	φ15	22	200	156	130	80	250	81	41	DN80	DN80	G3/4"	G3/8"	G3/8"



2BV6外形尺寸图 Overall and Dimensions Figure



型号TYPE	Amax	B	B1	C1	F1	F2max	H1	H2	H3	H4	K	L	N	W1
2BV6-110	1097	330	255	26	291	490	160	173	223	381	250	319	281	180
2BV6-111	1291	330	279	26	360	550	180	196	242	401	320	349	311	180
2BV6-121	1332	351	279	26	361	605	180	197	247	415	320	384	340	200
2BV6-131	1525	382	320	26	461	615	215	234	287	467	414	405	353	200
2BV6-161	1680	484	320	26	461	705	230	230	310	526	414	477	413	250

型号	W2	W3	S1	T	d1	d2	d3	d4	d5	d(N1.0)	d(N2.0)	N3.0	N4.2	N8.7
2BV6-110	52	27	Φ13	340	19	160	123	97	52	DN50	DN50	G3/4"	G3/8"	G3/8"
2BV6-111	52	27	Φ13	340	19	160	123	97	52	DN50	DN50	G3/4"	G3/8"	G3/8"
2BV6-121	57	29	Φ13	381.5	19	182	142	113	66.5	DN65	DN65	G3/4"	G3/8"	G3/8"
2BV6-131	57	29	Φ15	381.5	19	182	142	113	66.5	DN65	DN65	G3/4"	G3/8"	G3/8"
2BV6-161	81	41	φ15	450	22	200	156	130	80	DN80	DN80	G3/4"	G3/8"	G3/8"