



Technical Catalogue



2FBV Series

Liquid Ring Vacuum Pumps
and Compressors

2FBV Series Liquid Ring Vacuum Pumps and Compressors

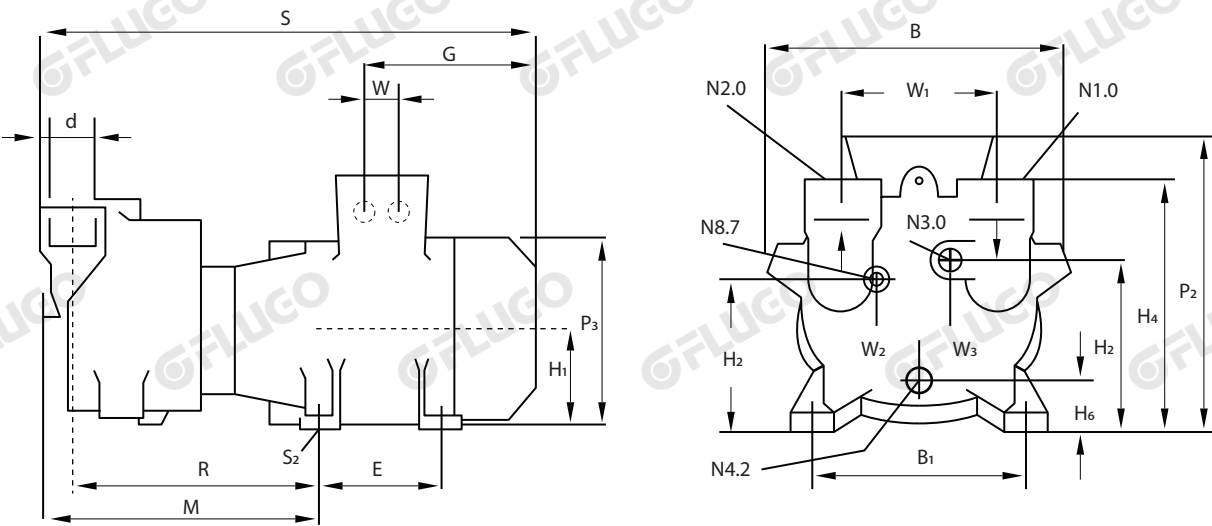
2FBV series liquid ring vacuum pump is suitable for suction gas and vapour, and the suction pressure can reach 33mbar (abs)(i.e. 97% vacuum degree). When the liquid ring vacuum pump work under the condition that the suction pressure is near the limited vacuum (saturated pressure of the operating liquid) for a long time, it should couple with the cavitation protection pipe in order to protect the pump. When it's used as a compressor, the maximum pressure is 0.26mpa(abs). As a new generation of energy-saving product, 2FBV series liquid ring vacuum pump will replace the SK and 2SK series liquid ring vacuum pumps.

2FBV6 series liquid ring vacuum pumps and compressor are mainly used for pumping the explosive gas or working in the flammable and explosive environment. The technical parameter of each type is the same as the corresponding type of the 2FBV or 2FBV5 series products.

2FBVC Pump

Curve Code	Model	Max suction m ³ /min	Max vacuum rate mbar(MPa)	Power kW	Motor explosive class	Motor protection class	Pump rotation r.p.m	Water consumption L/min	Noise dB(A)	Weight kg
60V	2FBV2060	0.45	33mbar (-0.098MPa)	0.81	n/a	IP54	2880	2	62	31
61V	2FBV2061	0.86		1.45			2880	2	65	35
70V	2FBV2070	1.33		2.35			2850	2.5	66	56
71V	2FBV2071	1.83		3.85			2860	4.2	72	65
60V	2FBV6060	0.45		1.1	dIIBT4	IP55	2880	2	62	39
61V	2FBV6061	0.86		1.5			2880	2	65	45
70V	2FBV6070	1.33		3			2850	2.5	66	66
71V	2FBV6071	1.83		4			2860	4.2	72	77
110V	2FBV5110	2.75		4	n/a	IP54	1450	6.7	63	103
111V	2FBV5111	3.83		5.5			1450	8.3	68	117
121V	2FBV5121	4.66		7.5			1450	10	69	149
131V	2FBV5131	6.66		11			1430	15	73	205
161V	2FBV5161	8.33		15			970	20	74	331
110V	2FBV6110	2.75		4	dIIBT4	IP55	1450	6.7	63	153
111V	2FBV6111	3.83		5.5			1450	8.3	68	208
121V	2FBV6121	4.66		7.5			1450	10	69	240
131V	2FBV6131	6.66		11			1430	15	73	320
161V	2FBV6161	8.33		15			970	20	74	446

2FBVC vacuum installatino size:

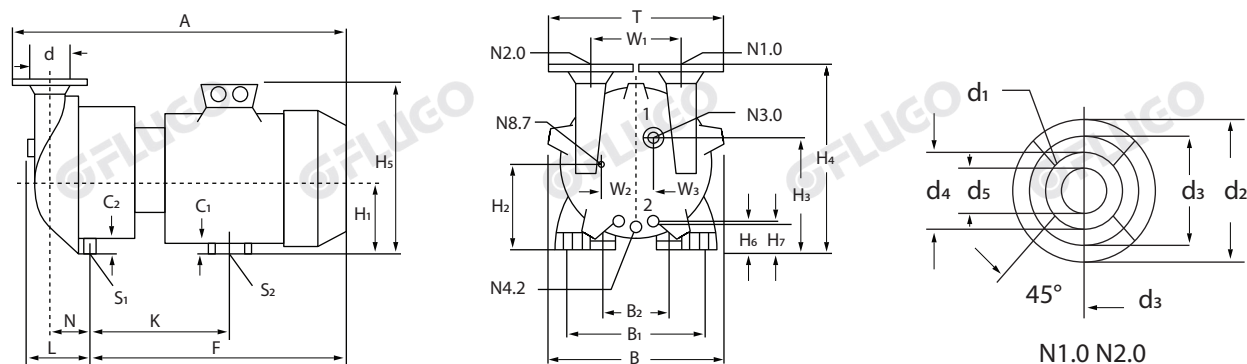


2FBVC - 2060/2061/2070/2071 vacuum pump outline drawing

2FBVC Pump

Model/Code	A	B	B1	H1	H2	H3	H4	H6	E	P2	P3	R	M	S2	W1	W2	W3	d	N3.0	N4.2	N8.7
2060	455	186	140	90	118	126	195	37.5	100	250	180	217	244	Φ 10	110	26	21	G1"	G3/8"	G1/4"	G3/8"
2061	476	186	140	90	118	195	195	37.5	100	250	180	236	263	Φ 10	110	26	21	G1"	G3/8"	G1/4"	G3/8"
2070	545	223	160	222	100	128	222	33	140	270	203	252	280	Φ 12	110	33	27	G1 1/2"	G3/8"	G1/4"	G3/8"
2071	566	223	234	140	112	140	234	45	190	300	225	278	309	Φ 12	110	33	37	G1 1/2"	G3/8"	G1/4"	G3/8"

N1.0 Inhaling port. N2.0 exhaust port. N3.0 operating fluid interface.
N4.2 Drain. N8.7 Air erosion protection (built-in)



2FBV-5110/5111/5121/5131/5161 Vacuum pump outline drawing.

Model	A	B	B1	B2	C1	C2	H1	H2	H3	H4	H5	H6	H7	F	K	L	N	T	S1	S2	d1	d2	d3	d4	d5	W1
5110	637	325	255	190	41	26	140	156	202	361	328	38	57	464	320	130	92	340	Φ12	Φ12	19	160	123	97	52	180
5111	672	325	265	290	38	26	150	166	212	371	363	48	68	500	325	130	92	340	Φ12	Φ12	19	160	123	97	52	180
5121	771	347	265	290	36	26	150	167	217	385	363	39	60	584	410	147	97	382	Φ12	Φ12	19	182	142	113	67	200
5131	840	377	300	335	35	30	175	194	249	427	435	53	76	659	440	147	103	382	Φ12	Φ12	19	182	142	113	67	200
5161	1044	479	370	389	52	30	210	225	303	521	485	51	80	808	570	201	138	450	Φ15	Φ15	22	200	156	130	80	250

Model/Code	W2	W3	d (N1.0, N2.0)	N3.0	N4.2	N8.7
5110	52	27	DN50/2"	G3/4"	G3/8"	G3/8"
5111	52	27	DN50/20"	G3/4"	G3/8"	G3/8"
5121	57	29	DN65/2"	G3/4"	G3/8"	G3/8"
5131	63	32	DN65/2"	G3/4"	G3/8"	G3/8"
5161	81	41	DN80/3"	G3/4"	G3/8"	G3/8"



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Authorized Distributor