

# BSP SN



## 4" borehole centrifugal pumps

4" borehole centrifugal pumps with stainless steel external casing and floating impellers in Noryl to ensure a reliable resistance to scraping. Suitable for fountains, boosters, firefighting, irrigations and industrial use. Available with oil filled motor. NEMA standards motor connections.



Low noise



Practical and easy to use



Suitable for horizontal operation

## Dati tecnici

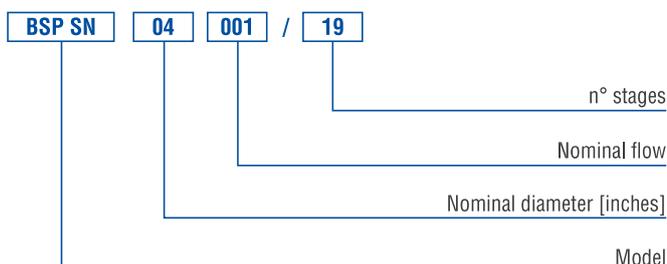
<b>Max. immersion</b>	350 m (water filled motor) 150 m (oil filled motor)
<b>Max. temperature of the liquid</b>	40°C
<b>Max. sand content</b>	50 gr/m <sup>3</sup>
<b>Poles</b>	2
<b>Insulation class</b>	F
<b>Protection degree</b>	IP68
<b>Voltage</b>	Single phase 1~230V ±10% Three phase 3~380-415V ±10%

The pump does not have an internal motor protector, therefore overload protection must be provided by the user.

## Materials

<b>External casing</b>	AISI 304
<b>Impeller</b>	Noryl
<b>Shaft</b>	AISI 420 (EN 1.4057)
<b>Discharge casing</b>	AISI 304 (EN 1.4301)
<b>Motor connection</b>	AISI 304 (EN 1.4301)

## Type key



## Accessories



### Cables

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### Capacitors

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### Floats

Page 473 - **Key floats with counterweight**



### Control systems

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Pressure regulator

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Variable speed control systems

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Variable speed control systems

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### Cooling sleeve

Page 480 - **Cooling sleeve for 4" borehole pumps**

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### Selection table BSP SN 04001

Model	HP	kW	Q=Flow rate									
			l/min	0	5	10	12	15	18	20	22	25
			m <sup>3</sup> /h	0	0,3	0,6	0,7	0,9	1,1	1,2	1,3	1,5
H=Total head [m]												
BSP SN 04001/19	0,75	0,55		126	114	101	95	84	70	59	47	26
BSP SN 04001/26	1	0,75		172	156	138	130	114	95	81	64	36
BSP SN 04001/38	1,5	1,1		251	227	202	189	167	140	118	94	52

### Selection table BSP SN 04002

Model	HP	kW	Q=Flow rate									
			l/min	0	10	20	30	35	40	45	47	50
			m <sup>3</sup> /h	0	0,6	1,2	1,8	2,1	2,4	2,7	2,8	3
H=Total head [m]												
BSP SN 04002/10	0,75	0,55		68	64	60	52	48	42	36	33	29
BSP SN 04002/14	1	0,75		95	90	83	73	67	59	50	47	41
BSP SN 04002/20	1,5	1,1		143	135	125	110	100	88	75	70	61
BSP SN 04002/28	2	1,5		190	181	167	146	133	118	101	93	82
BSP SN 04002/40	3	2,2		272	258	239	209	190	168	144	133	117

### Selection table BSP SN 04003

Model	HP	kW	Q=Flow rate									
			l/min	0	20	30	40	45	47	55	60	70
			m <sup>3</sup> /h	0	1,2	1,8	2,4	2,7	2,8	3,3	3,6	4,2
H=Total head [m]												
BSP SN 04003/8	0,75	0,55		53	51	48	43	40	37	33	29	19
BSP SN 04003/11	1	0,75		73	70	66	60	56	51	46	40	25
BSP SN 04003/16	1,5	1,1		106	102	96	87	81	74	66	57	37
BSP SN 04003/21	2	1,5		139	134	126	114	107	97	87	75	49
BSP SN 04003/32	3	2,2		205	198	186	168	157	144	128	111	72

### Selection table BSP SN 04004

Model	HP	kW	Q=Flow rate									
			l/min	0	20	30	45	50	60	70	80	90
			m <sup>3</sup> /h	0	1,2	1,8	2,7	3	3,6	4,2	4,8	5,4
H=Total head [m]												
BSP SN 04004/7	0,75	0,55		45	43	42	38	37	33	29	24	18
BSP SN 04004/9	1	0,75		57	55	53	49	47	43	37	30	23
BSP SN 04004/14	1,5	1,1		89	86	83	76	73	66	58	48	35
BSP SN 04004/18	2	1,5		115	111	107	98	94	85	74	61	45
BSP SN 04004/27	3	2,2		172	166	160	147	141	128	111	91	68
BSP SN 04004/35	4	3		223	216	208	191	183	165	144	118	88
BSP SN 04004/48	5,5	4		306	296	285	261	251	227	197	162	120

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**Selection table BSP SN 04005**

Model	HP	kW	Q=Flow rate									
			l/min	0	30	45	50	70	80	85	90	100
			m <sup>3</sup> /h	0	1,8	2,7	3	4,2	4,8	5,1	5,4	6
H=Total head [m]												
BSP SN 04005/6	0,75	0,55		38	36	34	33	28	25	23	21	16
BSP SN 04005/8	1	0,75		51	49	45	44	37	33	30	27	21
BSP SN 04005/12	1,5	1,1		77	73	68	66	56	49	45	41	32
BSP SN 04005/16	2	1,5		102	97	91	88	75	65	60	55	42
BSP SN 04005/24	3	2,2		153	146	136	133	112	98	90	82	63
BSP SN 04005/32	4	3		205	194	182	177	149	131	121	109	84
BSP SN 04005/44	5,5	4		281	267	250	243	205	180	166	150	116

**Selection table BSP SN 04006**

Model	HP	kW	Q=Flow rate									
			l/min	0	45	60	70	80	90	100	120	140
			m <sup>3</sup> /h	0	2,7	3,6	4,2	4,8	5,4	6	7,2	8,4
H=Total head [m]												
BSP SN 04006/7	1	0,75		42	38	36	34	33	30	28	21	14
BSP SN 04006/10	1,5	1,1		61	54	51	49	46	43	40	31	20
BSP SN 04006/14	2	1,5		85	76	72	69	65	61	55	43	28
BSP SN 04006/20	3	2,2		121	108	103	98	93	87	79	61	40
BSP SN 04006/27	4	3		164	146	139	133	125	117	107	83	53
BSP SN 04006/36	5,5	4		218	194	185	177	167	156	143	110	71
BSP SN 04006/49	7,5	5,5		297	265	252	241	228	212	194	150	97

**Selection table BSP SN 04008**

Model	HP	kW	Q=Flow rate									
			l/min	0	60	100	120	140	150	160	180	200
			m <sup>3</sup> /h	0	3,6	6	7,2	8,4	9	9,6	10,8	12
H=Total head [m]												
BSP SN 04008/6	1,5	1,1		38	36	33	31	28	26	24	20	14
BSP SN 04008/8	2	1,5		51	48	44	41	37	35	32	27	19
BSP SN 04008/13	3	2,2		83	78	71	66	60	57	53	43	31
BSP SN 04008/17	4	3		108	102	93	87	79	74	69	56	41
BSP SN 04008/23	5,5	4		147	138	126	117	106	100	93	76	56
BSP SN 04008/32	7,5	5,5		204	192	175	163	148	139	129	106	77