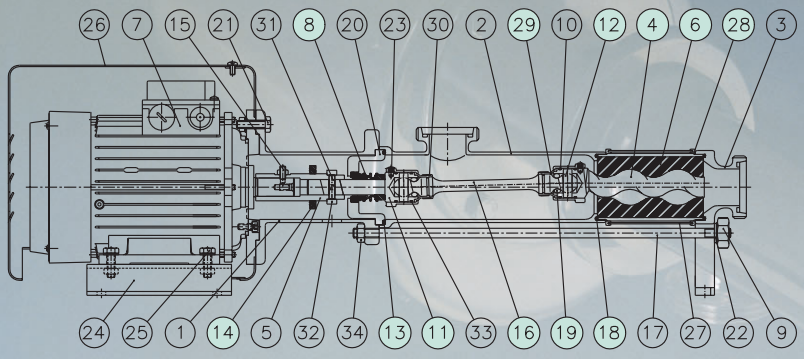
Bomba volumétrica sanitaria de rotor helicoidal
Sanitary positive displacement spiral impeller pump

ROTORINOX

ROTORINOX-M

ROTORINOX-S



ROTORINOX-S

NOMENCLATURA

1 - Brida	10 - Casquillo	19 - Junta barra	28 - Junta
2 - Cuerpo	11 - Eje	20 - Caja cierre	29 - Capuchón
3 - Boca	12 - Pasador	21 - Tornillo	30 - Abrazadera
4 - Rotor	13 - Junta tórica	22 - Arandela	31 - Pasador
5 - Eje	14 - Paragotas	23 - Prisionero	32 - Casquillo
6 - Estator	15 - Prisionero	24 - Bancada	33 - Junta tórica
7 - Motor	16 - Barra universal	25 - Tornillo	34 - Tuerca
8 - Cierre mecánico	17 - Tirante	26 - Recubrimiento	
9 - Tuerca	18 - Junta tórica	27 - Tubo	

NOMENCLATURE

1 - Flange	*10 - Sleeve*	*19 - Rod seal*	*28 - Ring*
2 - Body	*11 - Shaft*	*20 - Seal box*	*29 - Hood*
3 - Mouth	*12 - Pin*	*21 - Screw*	*30 - Clamp*
4 - Rotor	*13 - O-ring*	*22 - Washer*	*31 - Pin*
5 - Shaft	*14 - Splash protection*	*23 - Setscrew*	*32 - Sleeve*
6 - Stator	*15 - Setscrew*	*24 - Bed*	*33 - O-ring*
7 - Motor	*16 - Universal rod*	*25 - Screw*	*34 - Nut*
8 - Mechanical seal	*17 - Rod*	*26 - Casing*	
9 - Nut	*18 - O-ring*	*27 - Tube*	

NOTA: Las piezas de recambio recomendadas están coloreadas. / *NOTE: The recommended spare parts are coloured in.*

E
GB
H5

CARACTERÍSTICAS TÉCNICAS

Caudal..... Q = 0.5 a 20 m3/h
Altura manométrica..... H = 5 a 60 mca
Motores..... P = 0.5 a 7.5 hp
(0.37 a 5.5 kW)
Velocidad motor..... n = 750-1000-1500 rpm
Viscosidad máxima..... V = 100000 cP
Temperatura..... T = 80ºC
(especial 110ºC)
Material..... AISI-316L

DESCRIPCIÓN

La bomba ROTORINOX es una bomba volumétrica SANITARIA de desplazamiento positivo para líquidos claros y viscosos.
Se caracteriza porque la parte hidráulica ha sido sobredimensionada y se han dotado las articulaciones de un CAPUCHÓN sanitario y antiabrasivo PATENTADO (Modelo Utilidad Nº 200201433).

Sus características principales son:
-Autoaspirante volumétrica.
-Bombeo constante, uniforme, sin pulsaciones.
-Caudal proporcional a la velocidad.
-Reversible, invirtiendo el sentido de giro.
-Desmontaje fácil, por dos tirantes articulados.

Se caracteriza porque está fabricada totalmente en inoxidable, incluida la brida y el tubo protector del estator.

Se fabrica en dos tipos:

ROTORINOX-M	**Motor a la vista (Pulido mate)**
ROTORINOX-S	**Motor recubierto (Pulido brillante)**

-Cuerpo y Boca sanitarios.
-Barra universal sobredimensionada con CAPUCHÓN sanitario.
-Rotor sobredimensionado, pulido y cromado.
-Estator normal: Perbunán alimenticio, blanco. (Especial: Hypalón, EPDM, vitón).
-Eje intercambiable sobredimensionado, independiente.
-Cierre mecánico simple interior Burgmann. Posible otros cierres.
-Brida en inoxidable.
-Bancada estampada de inoxidable.
-Recubrimiento motor en acero inoxidable. Ventilado. Conexión eléctrica dentro del motor estanco (sólo ROTORINOX-S).

Puede ir acoplada directamente a:
-Motor eléctrico 750-1000-1500 rpm.
-Motor-reductor 100 a 600 rpm (sólo ROTORINOX-M).
-Motor-variador mecánico 190/1000 rpm ó 125/600 rpm (sólo ROTORINOX-M).
Equipada con roscas DIN-11851 (posible SMS, FIL, CLAMP).

APLICACIONES

Nata, crema, jarabes, mermeladas, melazas, cosméticos, pastas, etc.
Agua, vino, aceites, zumos, etc.

TECHNICAL SPECIFICATIONS

Flow rate..... Q = 0.5 to 20 m^3/h
Total head..... H = 5 to 60 mwc
Motors..... P = 0.5 to 7.5 hp
(0.37 to 5.5 kW)
Motor velocity..... n = 750-1000-1500 rpm
Maximum viscosity..... V = 100000 cP
Temperature..... T = 80ºC
(special 110ºC)
Material..... AISI-316L

DESCRIPTION

The ROTORINOX is a volumetric SANITARY pump with positive displacement for thin and viscous liquids.
It is characterised by the hydraulic section being over-dimensioned and joints that are fitted with a PATENTED anti-abrasive sanitary HOOD (Utility Model No 200201433).

Its main specifications are:
-Positive displacement self-suction.
-Constant uniform pumping, without any pulsation.
-Flow rate is proportional to speed of rotation.
-Reversible by changing the direction of rotation.
-Easy to disassemble by means of two swivelling tierods.

Its main characteristic is that it is completely manufactured in stainless steel, including the flange and stator tube protector.

It is manufactured in two types:

ROTORINOX-M	***Uncovered motor (Matt finish)***
ROTORINOX-S	***Covered motor (Brilliant finish)***

-Sanitary body and mouth.
-Over-dimensioned universal bar with sanitary HOOD.
-Over-dimensioned polished, chrome rotor.
-Normal stator; Perbunán foodstuff, white (Special: Hypalón, EPDM, vitón)
-Interchangeable, over-dimensioned, independent shaft.
-Single internal mechanical seal, Burgmann type (other seals possible).
-Stainless steel flange.
-Pressed stainless steel base.
-Stainless steel motor housing. Ventilated. Electrical connections inside motor cover (only the ROTORINOX-S).

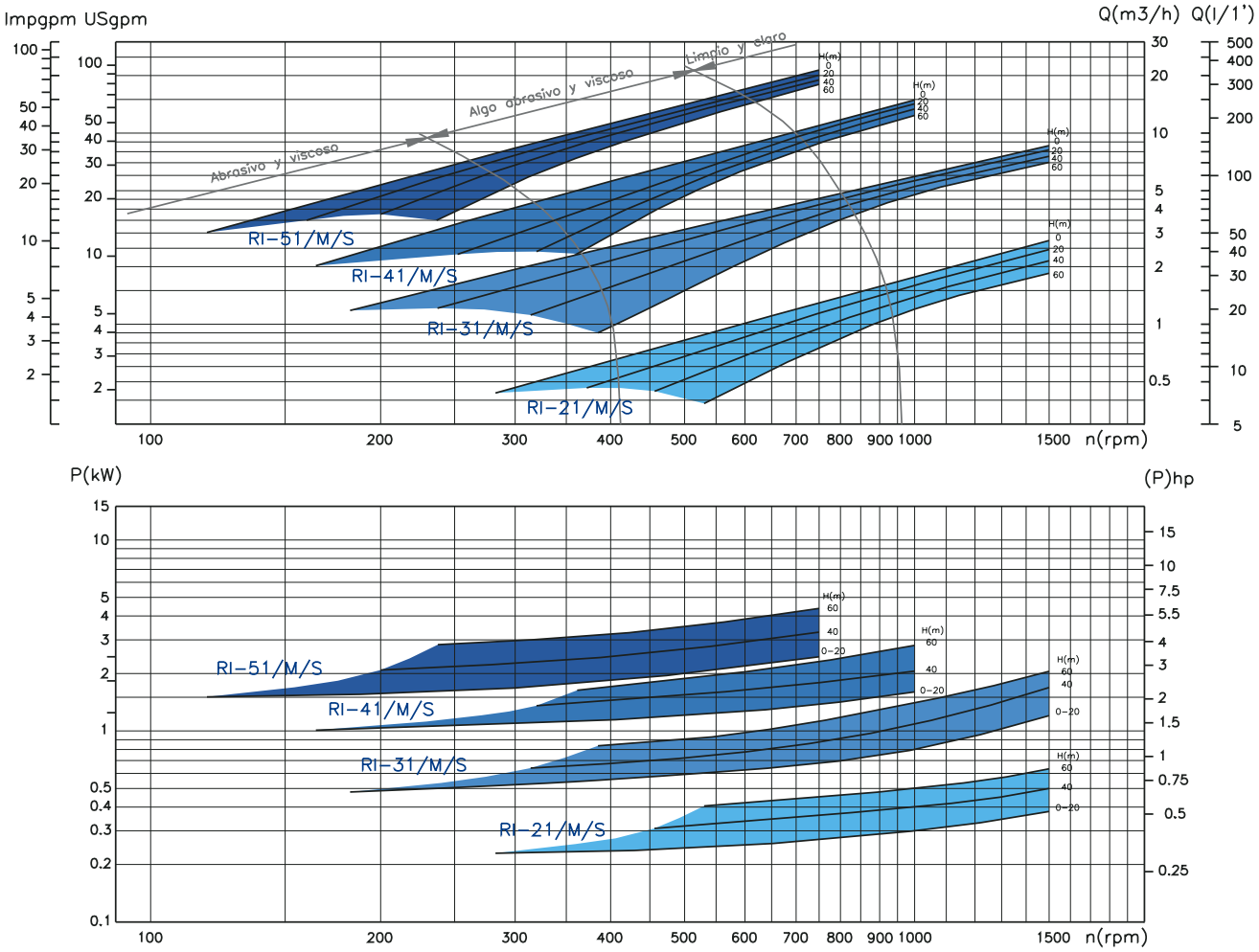
It may be directly coupled to:
-Electric motor 750-1000-1500 rpm.
-Geared motor, 100 to 600 rpm (only the ROTORINOX-M).
-Mechanical variator-motor, 190/1000 rpm or 125/600 rpm (only the ROTORINOX-M).

Fitted with DIN-11851 threads (possible SMS, FIL, CLAMP).

APPLICATIONS

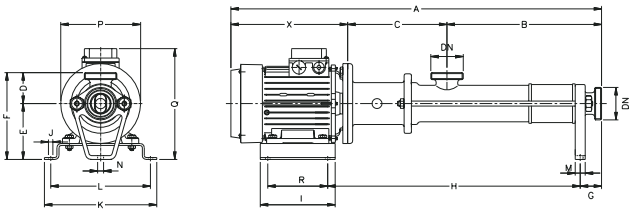
Cream, custard, syrups, jams, molasses, cosmetics and pastes etc.
Water, wine, oil and juices etc.

CURVAS CARACTERÍSTICAS / *CHARACTERISTIC CURVES*

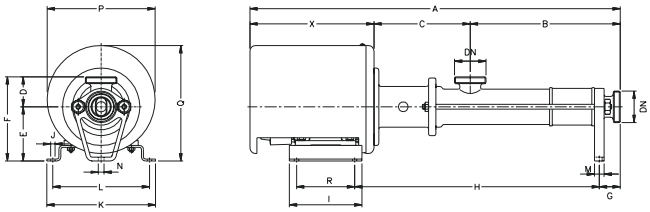


NOTA: Estas curvas se entienden para líquido no viscoso de densidad 1 cST. / *NOTE: The curves are understood to be for non-viscous liquids with a density of 1 cST.*

DIMENSIONES / *DIMENSIONS*



ROTORINOX-M



ROTORINOX-S

TIPO / *TYPE*	MOTOR / *MOTOR*				DIMENSIONES / *DIMENSIONS* (mm)														ROTORINOX-M				ROTORINOX-S				PESO / *WEIGHT* (kg)	
	TAM / *SIZE*	hp	kW	rpm	B	C	D	E	F	G	H	I	J	K	L	M	N	R	DN	X	A	P	Q	X	A	P	Q		
RI-21/M RI-21/S	80	0.75-1	0.55-0.75	1500	310	199	62	112	174	43	506	150	9	225	200	20	12	120	NW-40	234	743	160	222	257	766	223	239	22-23	25-26
	90	1.5-2	1.1-1.5								517	170	11	255	225			135		270	779	172	235	297	806	268	274	26-29	31-34
	80	0.5-0.75	0.37-0.55	1000							506	150	9	225	200			120		234	743	160	222	257	766	223	239	23-24	26-27
	90	1-1.5	0.75-1.1								517	170	11	255	225			135		270	779	172	235	297	806	268	274	26-29	31-34
	90	0.5-075	0.37-0.55	750							517	170	11	255	225			135		270	779	172	235	297	806	268	274	26-29	31-34
RI-31/M RI-31/S	90	1.5-2	1.1-1.5	1500	474	215	68	132	200	50	690	170	11	255	225	30	12	135	NW-50	270	959	200	255	297	986	268	293	34-37	39-42
	100	3-4	2.2-3			220					702	185	13	295	260			150		299	993	200	269	350	1044	322	327	42-45	49-52
	90	1-1.5	0.75-1.1	1000		215					690	170	11	255	225			135		270	959	200	255	297	986	268	293	34-37	39-42
	100	2	1.5			220					702	185	13	295	260			150		299	993	200	269	350	1044	322	327	44	50.5
	112	3	2.2			220					702	200	13	320	285			165		301	995	217	278	350	1044	322	327	48	54.5
	90	0.5-0.75	0.37-0.55	750		215					690	170	11	255	225			135		270	959	200	255	297	986	268	293	34-37	39-42
	100	1-1.5	0.75-1.1			220					702	185	13	295	260			150		299	993	200	269	350	1044	322	327	41-44	48-51
	112	2	1.5			220					702	200	13	320	285			165		301	995	217	278	350	1044	322	327	49	55.5
RI-41/M RI-41/S	112	3	2.2	1000	595	265	85	160	245	55	863	200	13	320	285	30	14	165	NW-65	301	1161	217	306	350	1210	322	346	66	72.5
	132	4-5.5	3-4			285					903	250	13	370	335			200		367	1274	261	323	435	1315	378	383	78-85	87-94
	112	2	1.5	750		265					863	200	13	320	285			165		301	1161	217	306	350	1210	322	346	67	73.5
	132	3-4	2.2-3			285					903	250	13	370	335			200		367	1274	261	323	435	1315	378	383	85-92	94-101
RI-51/M RI-51/S	132	3-4	2.2-3	750	705	332	95	180	275	70	1045	250	13	370	335	40	16	200	NW-80	367	1404	300	343	435	1472	378	393	117-124	126-133
	160	5.5-7.5	4-5.5			362					1105	340	13	434	400			252		534	1560	310	389	590	1657	435	446	164-164	181-181

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