

Water circulation

Swimming pool pumps > Nadorself

Nadorself



Compact, self-priming electric pumps for decanting large flows, specially designed for units for swimming against current.

Compact, self-priming electric pumps for decanting large flows, specially designed for units for swimming against current in private, communal and public swimming pools, balneotherapy or thalassotherapy centres or private or public gymnasiums and spas.

These units can transform a swimming pool into a space adapted for leisure, sport and health, particularly in small swimming pools.

This self-priming capacity of this model - achieved using a front suction check valve - allows very flexible installation, which can be carried out in technical boxes without the need for works in the area next to the swimming pool basin. Because it is made from plastic materials, it is highly resistant to corrosion from swimming-pool water, whatever the disinfection system used.

It includes an original, practical, curved 2 1/2" threaded delivery which can be adapted to three positions and a 2 1/2" flanged, threaded connector for the axial suction. The single-phase models include thermal protection for the motor.

It should be installed with an NCR or NCC front cover unit for the swimming pool, which includes an outlet jet, a suction area and connections for pneumatic activation of the pump. This can be complemented with an electrical control panel and an MNC hydromassage hose with nozzle connection.



Series features Nadorself:

Equipment

- Check valve: No
- Draining plug: Sí
- Fittings: Roscar
- Support base: Incluido

Electrical characteristics

- Electrical isolation: Clase F
- Motor speed operation: Velocidad constante
- Motor type: Asíncrono
- Protection rating: IP55

- Reset: Automático
- Service factor: S1
- Service type: Continuo

Manufacturing characteristics

- Discharge connection type: Rosca
- Discharge diameter: 2 1/2" G
- Impeller type: Cerrado
- Motor cooling: Ventilador
- Stages: Bomba centrífuga monoetapa
- Suction connection type: Rosca
- Suction diameter: 2 1/2" G
- Suction type: Autoaspirante
- Tightness by: Cierre mecánico

Materials

- Diffuser: PP + 30% GF
- Discharge body: PP + 30% GF
- Gaskets: NBR
- Impeller/s: PPO + 30% GF
- Mechanical seal: Alúmina-Grafito
- Mechanical seal bracket: PP + 30% GF
- Motor casing: Aluminio
- Motor shaft: Acero inoxidable AISI 420
- Nuts and bolts: Acero inoxidable AISI 304
- Outer pump body: PP + 30% GF
- Pump shaft: Acero inoxidable AISI 420
- Suction body: PP + 30% GF
- Support base material: PP + 30% GF

Usage limits

- Liquid temperature (°C): Min: 4 - Max: 35
- Maximum no. of motor start-ups (start-ups/minute): 0,5
- Maximum suction (m): 4
- Maximum working pressure (bar): 4

Applications



Building services

- Swimming pool
Swimming against current



Electric features:

Single-phase models	Three-phase models	Intensity [A]		Input power P1 [kW]		Motor power P2		Condenser capacity [μ F]
		1~ 230V	3~ 230/400V	1~	3~	[kW]	[HP]	
50 Hz	50 Hz							1~
NADORSELF 200M	NADORSELF 200	10,20	7/4.1	2,20	2,20	1,50	2,01	40 μ F-450V
NADORSELF 300M	NADORSELF 300	13,40	8.6/5	3,00	3,00	2,30	3,08	60 μ F-450V
	NADORSELF 400		11.8/6.8		3,80	3,00	4,02	

Hydraulic features:

Single-phase models	Three-phase models	Flow [l/min]	Flow [m ³ /h]									
			0	140	280	420	560	700	840	980	1120	1260
50 Hz	50 Hz	Flow [m ³ /h]	0	8,4	16,8	25,2	33,6	42,0	50,4	58,8	67,2	75,6
NADORSELF 200M	NADORSELF 200	mwc	13,9	13,3	12,4	11,3	9,8	8,1	6,0			
NADORSELF 300M	NADORSELF 300		14,9	14,5	13,9	13,0	12,0	10,7	9,3	7,6		
	NADORSELF 400		17,6	17,1	16,5	15,7	14,7	13,5	12,2	10,6	8,9	6,9



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Operating curves:



