



# 02 PUMPS & COUNTER CURRENT

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# 01 | SELF PRIMING PUMP "EUROSWIM"

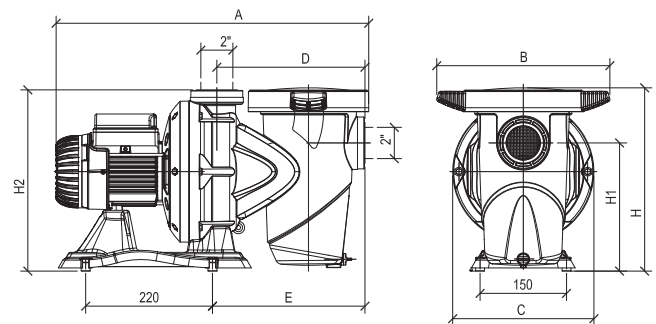
## ✓ Technical features

An extremely quiet and highly efficient self-priming centrifugal pump with built-in large capacity pre-filter. The 'Euroswim' has been developed primarily for water circulation and filtration in residential swimming pools, but is also ideal for the commercial sector where it can handle aggressive liquids such as those found in fish farms, agriculture and industry.

- Fibreglass reinforced technopolymer body, impellar and diffuser
- Nylon strainer to prevent debris from entering the system
- Clear antioxidant polycarbonate strainer lid for visibility during operation
- Electrical motor shaft in stainless steel AISI 416 (Completely insulated from the water flow)
- Mechanical seal made in carbon, alumina, NBR and AISI 316
- Pump body O-rings in NBR, threaded fasteners and reinforcing rings in AISI 304
- Butterfly drain plugs for easy removal and fitting. No tools necessary
- Asynchronous continuous duty 2-pole motor (S1) with generous range of power ratings from 0.5 HP to 3 HP, single phase and 3-phase
- Motor casing in die-cast aluminium with electrophoresis surface treatment to prevent oxidation, even in aggressive environmental conditions
- Baseplate with rubber mounts to reduce vibration transmission
- Single phase version with integral thermal and over current protection and permanent split capacitor (PSC), assembled inside the terminal box for all versions.
- Power supply: Single phase 220-240V 50Hz, 3-phase 230/400V 50Hz, 60Hz on demand
- Operating range: Up to 42m<sup>3</sup>/h with pressure head up to 22m
- Maximum liquid temperature: 60° C
- Maximum ambient temperature: +50° C
- Motor: 2900 RPM
- Maximum operating pressure: 2.5 bar
- Protection rating: IPX5
- Insulation rating: Class F

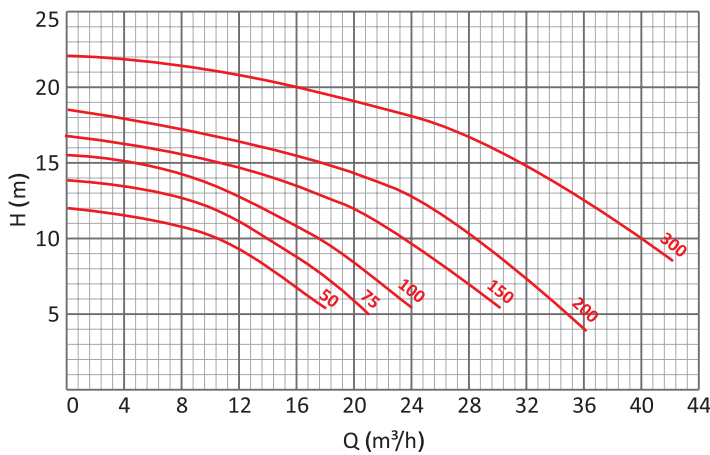


## 📏 Dimensions



## 🔍 Models

CODE	CONNECTION DNA/DNM	INTENSITY A			DIMENSIONS									PACKING	WEIGHT kg	VOLUME m <sup>3</sup>
		II 230	III 230	III 400	A	B	C	D	E	H	H1	H2				
EUROSWIM 50M	2"	4.2	-	-	536	242	242	257	265	351	222	314	1	16	0.086	
EUROSWIM 75M	2"	5	-	-	552	242	245	257	265	351	222	314	1	16.5	0.086	
EUROSWIM 75 T	2"	-	3.5	2	552	242	245	257	265	351	222	314	1	16.5	0.086	
EUROSWIM 100 M	2"	6.3	-	-	552	242	245	257	265	351	222	314	1	17	0.086	
EUROSWIM 100 T	2"	-	4	2.4	552	242	245	257	265	351	222	314	1	17	0.086	
EUROSWIM 150M	2"	7	-	-	574	250	290	267	274	387	258	350	1	22	0.10	
EUROSWIM 150 T	2"	-	6.5	3.7	574	250	290	267	274	387	258	350	1	22	0.10	
EUROSWIM 200 M	2"	8.6	-	-	648	250	290	267	274	387	258	350	1	24	0.10	
EUROSWIM 200 T	2"	-	7.2	4	574	250	290	267	274	387	258	350	1	22	0.10	
EUROSWIM 300 M	2"	12	-	-	648	252	290	267	274	387	258	350	1	24.5	0.10	
EUROSWIM 300 T	2"	-	8.7	5	648	252	290	267	274	387	258	350	1	24.5	0.10	



**HYDRAULIC FEATURES:**

SINGLE PHASE MODELS	THREE PHASE MODELS	HEIGHT	FLOW (m³/h)											
		(m)	4	6	8	10	12	14	16	18	20	22	24	
EUROSWIM 50M	-	FLOW (m³/h)	-	17	15	11	-	-	-	-	-	-	-	-
EUROSWIM 75M	EUROSWIM 75 T		-	20	17	14	11	-	-	-	-	-	-	-
EUROSWIM 100	EUROSWIM 100 T		-	23	21	17	15	9	-	-	-	-	-	-
EUROSWIM 150	EUROSWIM 150 T		-	30	27	23	20	14	7	-	-	-	-	-
EUROSWIM 200	EUROSWIM 200 T		36	34	31	29	26	21	14	4	-	-	-	-
EUROSWIM 300	EUROSWIM 300 T		-	-	42	40	37	33	30	24	16	3	-	-

**ELECTRIC FEATURES:**

PUMP MODEL	INPUT POWER P1 KW		MOTOR POWER P2		NOISE LEVEL
	50HZ	240-220*1~V	400-230*3~V	kW	HP
EUROSWIM 50M	900	-	0.33	0.5	60
EUROSWIM 75 M	1000	-	0.5	0.75	60
EUROSWIM 100 M	1300	-	0.75	1	60
EUROSWIM 150 M	1600	-	1.1	1.5	60
EUROSWIM 200 M	1900	-	1.5	2	60
EUROSWIM 300 M	2800	-	2.2	3	60
EUROSWIM 75 T	-	950	0.5	0.75	60
EUROSWIM 100 T	-	1200	0.75	1	60
EUROSWIM 150 T	-	1500	1.1	1.5	60
EUROSWIM 200 T	-	1900	1.5	2	60
EUROSWIM 300 T	-	2800	2.2	3	60



## 02 | SELF PRIMING PUMP "EUROPRO"

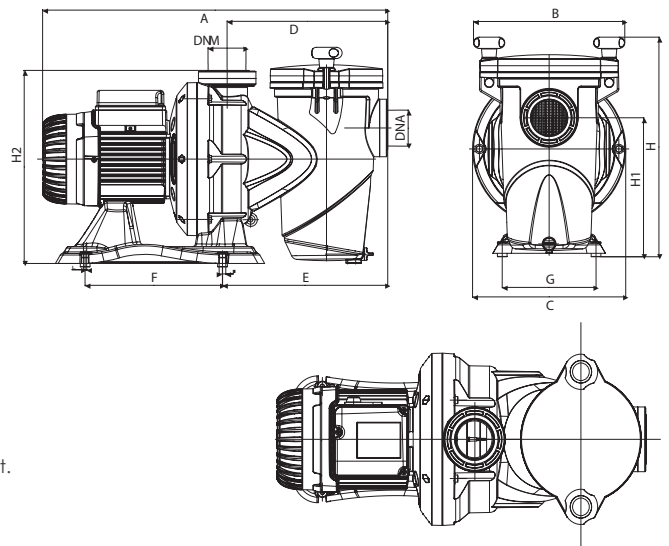
### ✓ Technical features

A highly reliable and efficient self-priming centrifugal pump with built-in large capacity pre-filter. The 'Europro' is extremely quiet to run and developed to promote water circulation and filtration in residential swimming pools.

- Fibreglass reinforced technopolymer body, impellar and diffuser
- Nylon strainer to prevent debris from entering the system
- Strainer lid in clear antioxidant polycarbonate for visibility during operation
- Electrical motor shaft (Completely isolated from the water flow)
- Diffuser in reinforced technopolymer
- Mechanical seal in carbon / alumina / NBR / AISI 316.
- Pump body O-rings in NBR, threaded fasteners and reinforcing rings in AISI 304
- Butterfly drain plugs for easy removal and refitting without tools
- Asynchronous continuous duty 2-pole motor (S1) with generous range of power ratings from 0.5 HP to 3 HP, single phase and three-phase
- Motor casing in die cast aluminium with electrophoresis surface treatment to prevent oxidation even in aggressive environmental conditions
- Base plate with rubber mounts to reduce vibration transmission
- Single phase version with integral thermal and overcurrent protection and permanent split capacitor (PSC), assembled inside the terminal box for all versions.
- Water-proof and sealed ball bearings for resistance to water and humidity
- Motor construction to EN 60335-2-41 standards
- Recommended liquid: clean water or water slightly contaminated with suspended solid bodies, long fibre; highly aggressive water with high percentage of chlorine/bromine and PHMB (Polyhexamethylene Biguanide) or water treated with chlorine electrolytic process.
- Installation can be fixed or portable in horizontal position
- Operating range: Up to 42m<sup>3</sup>/h with pressure head of up to 22m
- Maximum liquid temperature: 60°C
- Maximum ambient temperature: +50°C
- Motor: 2900 RPM
- Maximum operating pressure: 2.5 bar
- Protection rating: IPX5 50Hz and 60Hz on demand
- Insulation rating: Class F
- Standard: IEC-60364



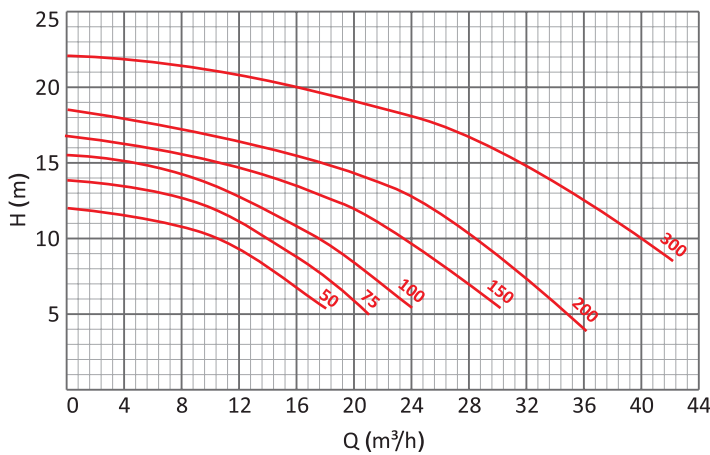
### 📏 Dimensions



Please note: Alternative voltages and/or frequencies available on request.  
 Fittings available on request: 2"/50mm – 63mm kit (two fittings + O-ring).  
 See accessories

### 🔍 Models

CODE	CONNECTION DNA/DNM	DIMENSIONS											PACKING	WEIGHT kg	VOLUME m <sup>3</sup>		
		A	B	C	D	E	F	G	H	H1	H2	I				L	
EUROPRO 50 M	-	2"	542	242	242	257	265	220	150	351	222	314	11	6,5	1	16	0.086
EUROPRO 75 M	EUROPRO 75 T	2"	552	242	245	257	265	220	150	351	222	314	11	6,5	1	16.5	0.086
EUROPRO 100 M	EUROPRO 100 T	2"	552	242	245	257	265	220	150	351	222	314	11	6,5	1	17	0.086
EUROPRO 150 M	EUROPRO 150 T	2"	574	250	290	267	274	220	150	387	258	350	11	6,5	1	22	0.108
EUROPRO 200 M	EUROPRO 200 T	2"	648	311	290	267	274	220	150	387	258	350	11	6,5	1	24	0.108
EUROPRO 300 M	EUROPRO 300 T	2"	648	252	290	267	274	220	150	387	258	350	11	6,5	1	24.5	0.108



**HYDRAULIC FEATURES:**

SINGLE PHASE MODELS	THREE PHASE MODELS	HEIGHT	4	6	8	10	12	14	16	18	20	22	24
		(m)											
EUOPRO 50 M	-	FLOW (m³/h)	-	17	15	11	-	-	-	-	-	-	-
EUOPRO 75 M	EUOPRO 75 T		-	20	17	14	11	-	-	-	-	-	-
EUOPRO 100 M	EUOPRO 100 T		-	23	21	17	15	9	-	-	-	-	-
EUOPRO 150 M	EUOPRO 150 T		-	30	27	23	20	14	7	-	-	-	-
EUOPRO 200 M	EUOPRO 200 T		36	34	31	29	26	21	14	4	-	-	-
EUOPRO 300 M	EUOPRO 300 T		-	-	42	40	37	33	30	24	16	3	-

**ELECTRIC FEATURES:**

PUMP MODEL	INPUT POWER P1 KW		MOTOR POWER P2		µF	Vc	NOISE LEVEL
	240-220*1~V	400-230*3~V	kW	HP			MAX db A
EUOPRO 50M	900	-	0,33	0,5	16	450	64
EUOPRO 75M	1000	-	0,5	0,75	25	450	65
EUOPRO 100M	1300	-	0,75	1	25	450	66
EUOPRO 150M	1600	-	1,1	1,5	31,5	450	66
EUOPRO 200M	1900	-	1,5	2	40	450	67
EUOPRO 300M	2800	-	2,2	3	-	-	67
EUOPRO 75T	-	950	0,55	0,75	-	-	65
EUOPRO 100T	-	1200	0,75	1	-	-	66
EUOPRO 150T	-	1500	1,1	1,5	-	-	66
EUOPRO 200T	-	1900	1,5	2	-	-	66
EUOPRO 300T	-	2800	2,2	3	-	-	67



## 03 | SELF PRIMING PUMP "OPTIMA"

### ✓ Technical features

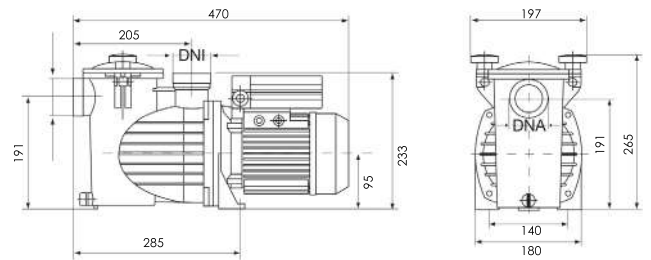
The 'Optima' is a self-priming swimming pool pump with great filtration capacity due to its excellent hydraulic performance and large built-in pre-filter.

- Transparent polycarbonate lid for easy inspection of the pre-filter sieve
- Electrical motor shaft (Completely isolated from the water flow)
- Body, lid and diffuser in polypropylene, resistant to the chemical products in pools and reinforced with fibreglass to ensure longevity
- Shaft in AISI 316 Stainless steel. Noryl impeller
- Aluminium support base
- Mechanical seal in carbon-ceramic and AISI 316 Stainless steel (Sea water compatible).
- Bolts in AISI-304 stainless steel.
- Standard asynchronous motor, sealed from external ventilation
- Motor bearings greased to ensure long life and silent operation
- Connections: Female thread of 1.5" and PVC pipe Ø 50mm glue fit / socket
- Motor: 2900 RPM
- Protection rating: IP55 50Hz and 60Hz on demand
- Maximum liquid temperature : +40 °
- Insulation rating: Class F



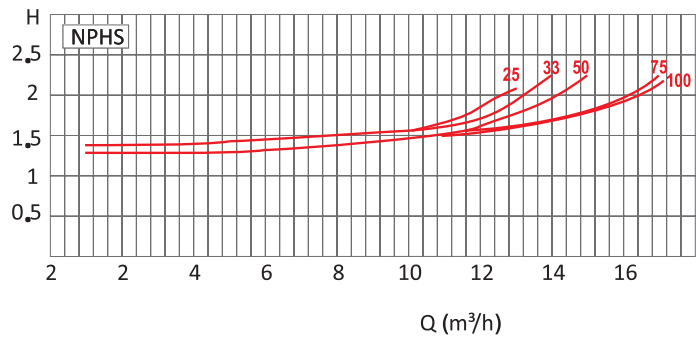
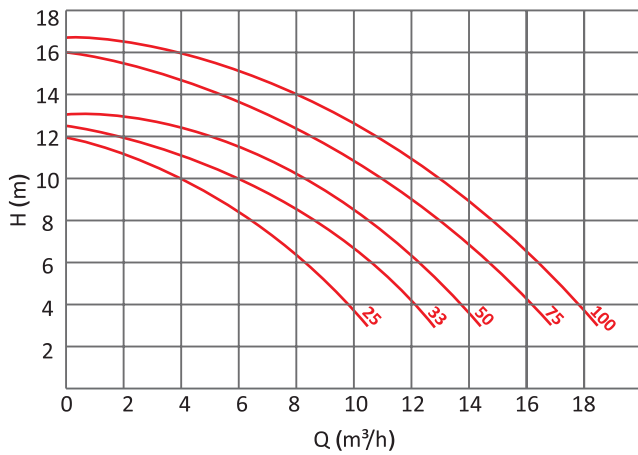
Large volume pre-filter basket for high quality filtering and to extend maintenance intervals

### 📏 Dimensions



### 🔍 Models

CODE	CONNECTION (DNA/DNI)	INTENSITY A			PACKING	WEIGHT	VOLUME
		II 230	III 230	III 400		kg	m <sup>3</sup>
OPTIMA-25M	1½"-Ø50	2.6	-	-	1	9.5	0.052
OPTIMA-25T	1½"-Ø50	-	1.3	0.8	1	9.5	0.052
OPTIMA-033M	1½"-Ø50	2.9	-	-	1	9.5	0.052
OPTIMA-033T	1½"-Ø50	-	1.9	1.1	1	9.5	0.052
OPTIMA-050M	1½"-Ø50	3.3	-	-	1	10	0.052
OPTIMA-050T	1½"-Ø50	-	2.5	1.4	1	10	0.052
OPTIMA-075M	1½"-Ø50	3.8	-	-	1	10.5	0.052
OPTIMA-075T	1½"-Ø50	-	3	1.7	1	10.5	0.052
OPTIMA-100M	1½"-Ø50	4.2	-	-	1	10.5	0.052
OPTIMA-100T	1½"-Ø50	-	3.4	2	1	10.5	0.052



**HYDRAULIC FEATURES:**

SINGLE PHASE MODELS	THREE PHASE MODELS	HEIGHT										
		(m)	4	6	8	10	11	12	13	14	15	16
OPTIMA-25M	OPTIMA-25T	FLOW (m³/h)	10	8	6	4	2.5	0.5	-	-	-	-
OPTIMA-033M	OPTIMA-033T		12	10	8	5.5	4.6	2	-	-	-	-
OPTIMA-050M	OPTIMA-050T		14	12	10	7	6.5	5	-	-	-	-
OPTIMA-075M	OPTIMA-075T		16	15	12.5	10	9.3	8	6.6	4.2	-	-
OPTIMA-100M	OPTIMA-100T		18	16	14.8	13	12.1	10.5	9.7	7.6	6	4

**ELECTRIC FEATURES:**

SINGLE PHASE MODELS	THREE PHASE MODELS	INPUT POWER P1 kW		MOTOR POWER P2		NOISE LEVEL MAX db A
		SINGLE PHASE	THREE PHASE	kW	HP	
50HZ	50HZ					
OPTIMA-25M	OPTIMA-25T	0.53	0.53	0.16	0.25	62
OPTIMA-033M	OPTIMA-033T	0.55	0.55	0.25	0.33	63
OPTIMA-050M	OPTIMA-050T	0.68	0.68	0.37	0.50	64
OPTIMA-075M	OPTIMA-075T	0.88	0.85	0.55	0.75	66
OPTIMA-100M	OPTIMA-100T	0.97	0.89	0.70	0.95	68





# 04 | SELF PRIMING PUMP "WINNER"

## ✓ Technical features

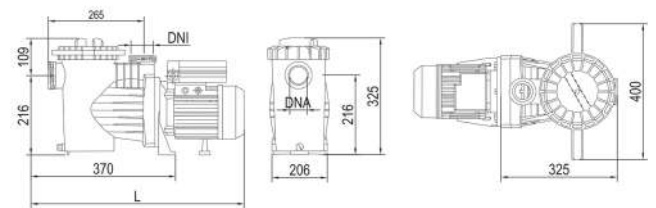
A reliable and highly efficient self-priming centrifugal pump with built-in large capacity pre-filter. The 'Winner' is extremely quiet to run and developed for water circulation and filtration in residential swimming pools.

- Transparent polycarbonate lid for easy inspection of the pre-filter basket
- Electrical motor shaft (Completely isolated from the water flow)
- Includes a standard key for effortlessly opening of the pre-filter lid and fittings for the gluing.
- Pump body, lid, diffuser and opening key in polypropylene, resistant to the chemical products in pools and reinforced with fibreglass to ensure excellent longevity
- AISI 316 Stainless steel shaft
- Noryl impeller
- Aluminium support base
- Mechanical seal in AISI 316 Stainless steel (Sea water compatible)
- Bolts in AISI 304 stainless steel
- Connections: Female thread 2" and PVC pipe Ø 63 glue fit / socket
- Standard asynchronous motor, sealed from external ventilation
- Motor bearings greased to ensure long life and silent operation
- Power supply: 230V/415V 50Hz and 60Hz on demand
- Motor: 2900 RPM
- Maximum liquid temperature: +40°C
- Protection rating: IP55
- Insulation rating: Class F



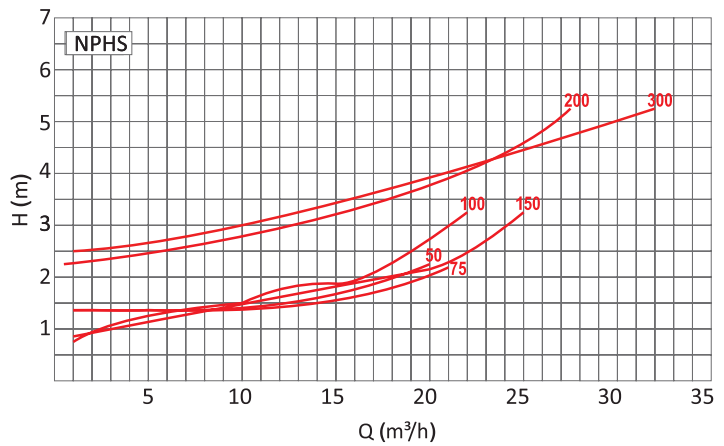
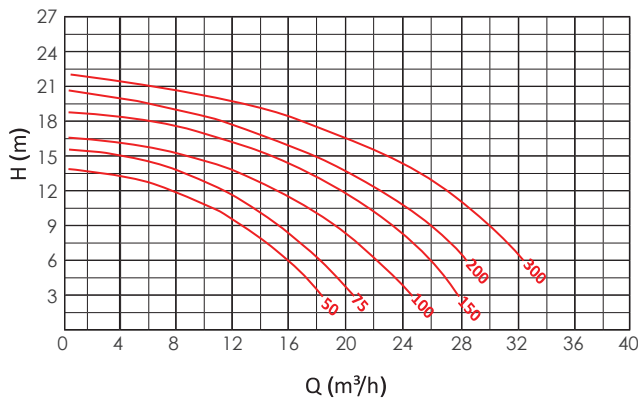
Large volume pre-filter basket for high quality filtering and to increase maintenance intervals  
Standard double handle pre-filter lid key for comfort and easy access

## 📏 Dimensions



## 🔍 Models

CODE	CONNECTION (DNA - DNI)	INTENSITY A			LENGTH (L) mm	PACKING	WEIGHT kg	VOLUME m³
		II 230	III 230	III 400				
WINNER-50M	2"- Ø63	4.4	-	-	550	1	12.5	0.052
WINNER-50T	2"- Ø63	-	2.4	1.4	550	1	12.5	0.052
WINNER-75M	2"- Ø63	4.75	-	-	550	1	13	0.052
WINNER-75T	2"- Ø63	-	3.1	1.8	550	1	12.5	0.052
WINNER-100M	2"- Ø63	5.5	-	-	550	1	14	0.052
WINNER-100T	2"- Ø63	-	3.8	2.2	550	1	14	0.052
WINNER-150M	2"- Ø63	7.3	-	-	575	1	17	0.052
WINNER-150T	2"- Ø63	-	5.0	2.9	575	1	15.5	0.052
WINNER-200M	2"- Ø63	9.2	-	-	647	1	18.5	0.052
WINNER-200T	2"- Ø63	-	6.0	3.5	575	1	17	0.052
WINNER-300M	2"- Ø63	12.2	-	-	650	1	22	0.058
WINNER-300T	2"- Ø63	-	8.6	5.0	650	1	19	0.058



**HYDRAULIC FEATURES:**

SINGLE PHASE MODELS	THREE PHASE MODELS	HEIGHT	4	6	8	10	12	14	16	18	20
		(m)									
WINNER-50M	WINNER-50T	FLOW (m³/h)	17.7	16	14	11.5	7.7	-	-	-	-
WINNER-75M	WINNER-75T		20	18.2	16.5	14	11	6	-	-	-
WINNER-100M	WINNER-100T		24	22	20	18	15	11	5	-	-
WINNER-150M	WINNER-150T		27.5	25.5	23.5	21.5	19	16	12	6	-
WINNER-200M	WINNER-200T			28.2	26.5	24.3	22	19	15.2	10.5	3
WINNER-300M	WINNER-300T			32.5	31	29	26	23	19.5	15.2	9.8

**ELECTRIC FEATURES:**

SINGLE PHASE MODELS	THREE PHASE MODELS	INPUT POWER P1 kW		MOTOR POWER P2		NOISE LEVEL MAX db A
		50HZ	50HZ	SINGLE PHASE	THREE PHASE	
WINNER-50M	WINNER-50T	0.98	0.96	0.37	0.50	65
WINNER-75M	WINNER-75T	1.11	1.1	0.55	0.75	66
WINNER-100M	WINNER-100T	1.3	1.28	0.75	1	67
WINNER-150M	WINNER-150T	1.7	1.75	1.1	1.5	69
WINNER-200M	WINNER-200T	2.1	2.18	1.5	2	71
WINNER-300M	WINNER-300T	2.23	2.25	2.2	3	71



# 05 | VARIABLE SPEED PUMP "E.SWIM"

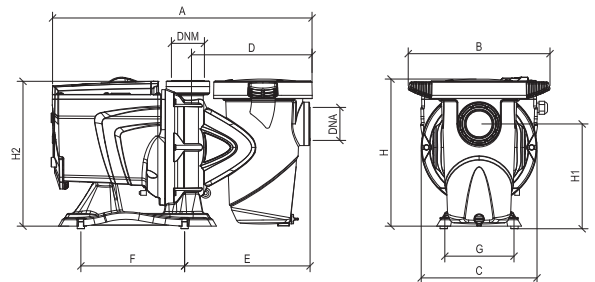
## ✓ Technical features

An energy efficient and highly robust, self-priming centrifugal pump, equipped with a large capacity pre-filter to increase water circulation and filtration in residential swimming pools. Also suitable for applications where the handling of aggressive liquids is required. The 'Eswim' operates in complete silence, programmable with a remote control and is fully compatible with salt water systems.

- Fibreglass reinforced technopolymer body, impellar and diffuser
- Nylon strainer to prevent debris from entering the system
- Strainer lid in clear antioxidant polycarbonate for easy inspection
- Electrical motor shaft (Completely isolated from the water flow)
- Mechanical seal in carbon / alumina / NBR / AISI 316
- Butterfly drain plugs for easy removal and refitting without tools
- Supplied with remote control for even greater efficiency and using the latest Trench IGBT technology
- Two dedicated 32-bit processors. One for the motor and one for the highly intuitive user interface. Very easy to operate
- Onboard computer and intelligent software to operate at adjustable 'Constant speed' or 'Constant flow' (no sensor required) to optimise performance and minimise energy use
- Range reduction 1.5 HP model covers the performance of 4 pumps (0.5HP, 0.75HP, 1HP, 1.5HP) and 3HP models covers the performance of 6 pumps (0.5HP, 0.75HP, 1HP, 1.5HP, 2HP, 3HP)
- Power supply: Single phase 230V 50 and 60Hz on demand
- Operating range: Up to 30m<sup>3</sup>/h with pressure head of up to 15.4m
- Maximum liquid temperature: +40°C (Minimum +4°C)
- Maximum ambient temperature: +50°C
- Motor: 4 speeds (2250 RPM, 3150 RPM, 3825 RPM and 4500 RPM)
- Maximum operating pressure: 2.5 bar
- Protection rating: IPX5
- Insulation rating: Class F

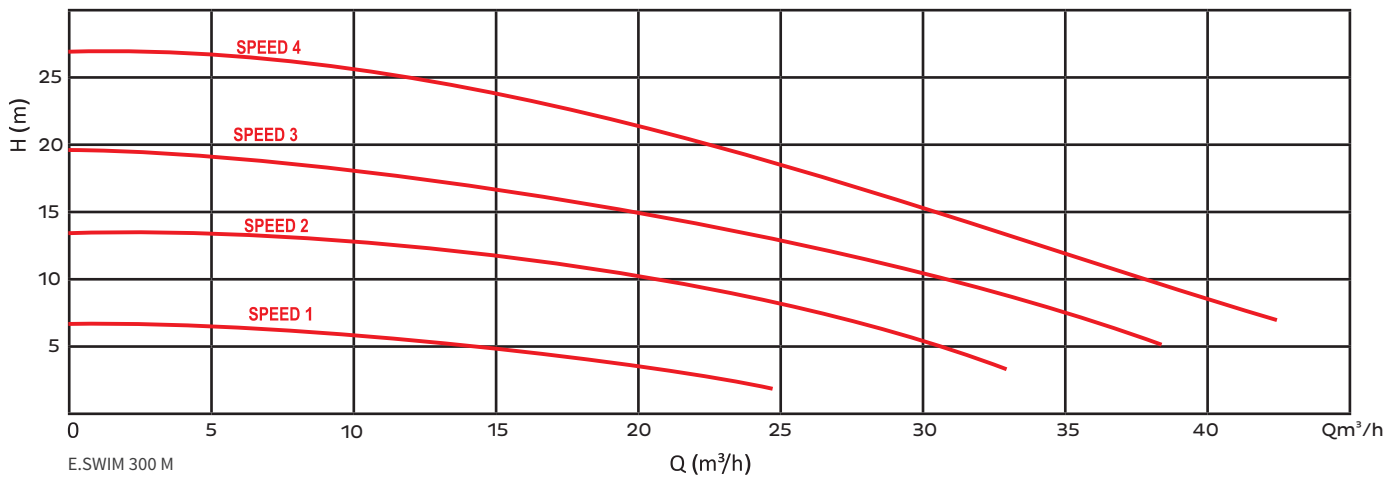
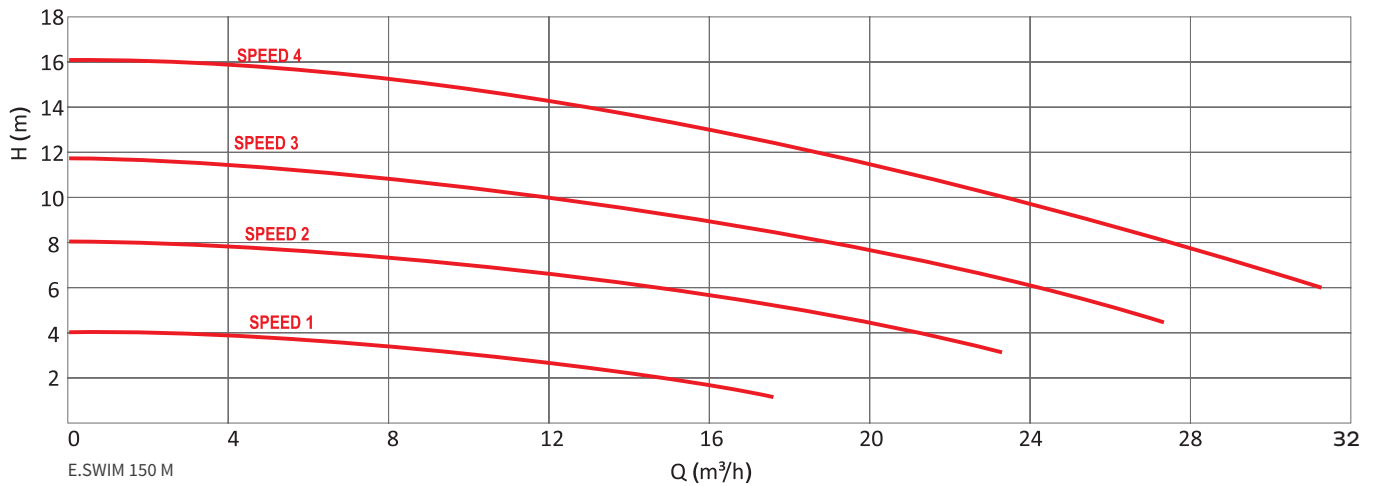


## 📏 Dimensions



## 🔍 Models

CODE		INTENSITY A		DIMENSIONS										PACKING	WEIGHT	VOLUME
		II 230	III 230	A	B	C	D	E	F	G	H	H1	H2		kg	m <sup>3</sup>
E.SWIM 150 M	2"	5.6	-	550	300	245	259	266	220	150	316	217	309	1	19	0.086
E.SWIM 300 M	2"	10	-	574	304	290	269	276	220	150	354	252	344	1	21.3	0.108



**HYDRAULIC FEATURES:**

SPEED VARIATIONS	HEIGHT	1	3	5	7	9	11	13	15	25
	(m)									
E.SWIM 150 SPEED 1-2250 RPM	FLOW (m³/h)	-	12	-	-	-	-	-	-	-
E.SWIM 150 SPEED 2-3150 RPM		-	23	18	12	-	-	-	-	-
E.SWIM 150 SPEED 3-3825 RPM		-	-	-	22.5	16	8	-	-	-
E.SWIM 150 SPEED 4-4500 RPM		-	-	-	30	26	21	16	8	-
E.SWIM 300 SPEED 1-2385 RPM		-	24.5	15	-	-	-	-	-	-
E.SWIM 300 SPEED 2-3330 RPM		-	-	30	28	23	18	5	-	-
E.SWIM 300 SPEED 3-4050 RPM		-	-	38	36	32	29	23	20	-
E.SWIM 300 SPEED 4-4770 RPM		-	-	-	42.5	39	36	32	30	5

**ELECTRIC FEATURES:**

PUMP MODELS	MAX. RPM	INPUT POWER P1 50/60 HZ		OUTPUT POWER P2		NOISE LEVEL
		MAX KW		MAX KW	MAX HP	MAX db A
E.SWIM 150	4500	1.25		1.1	1.5	50
E.SWIM 300	4770	2.25		1.9	2.6	50



# 06 | SELF PRIMING PUMP "KPA"



## ✓ Technical features

### KPA-250/550 Features

- Thermoplastic injected high capacity pre-filter (8.1)
- Hydraulic body in noryl, reinforced with fibreglass
- Hinged cover screws with stainless steel studs
- Impeller and flange in noryl, reinforced with fibreglass
- Maximum liquid temperature: 50° C
- Maximum operating pressure: 2.5 bar
- Protection rating: IP55
- Insulation rating: Class F
- Motor: 2850 RPM @ 50Hz and 60Hz on demand



KPA - 250/550

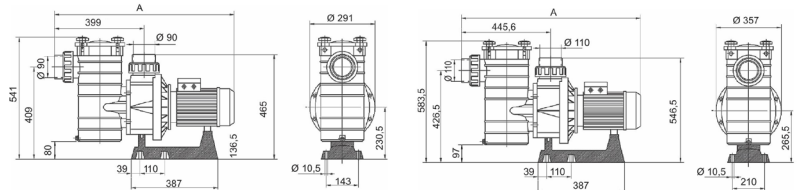


KPA - 500/1250

### KPA-500/1250 Features

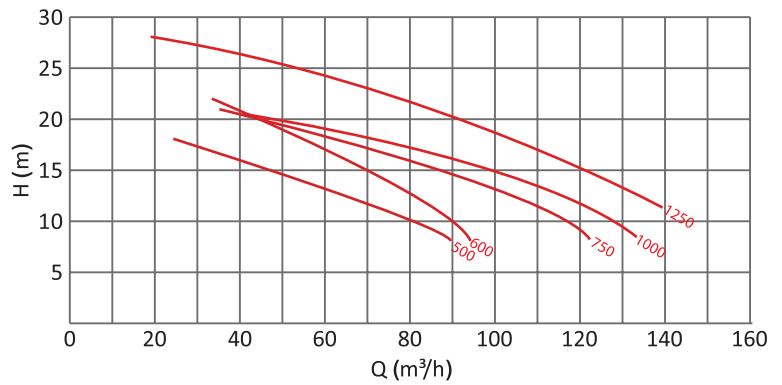
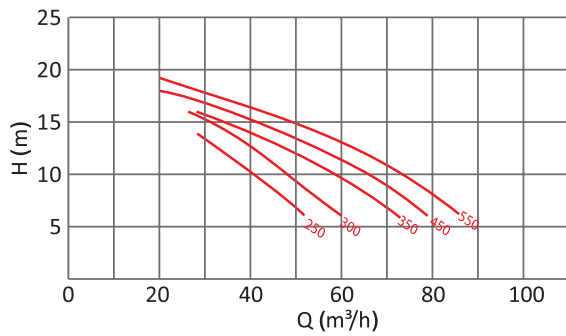
- Thermoplastic injected high capacity pre-filter (4.1)
- Hydraulic body in noryl, reinforced with fibreglass
- Hinged cover screws with stainless steel studs
- Impeller and flange in noryl, reinforced with fibreglass
- Maximum liquid temperature: 50° C
- Maximum operating pressure: 3 bar
- Protection rating: IP55
- Insulation rating: Class F
- Motor: 2850 RPM @ 50Hz and 60Hz on demand

## 📏 Dimensions



## 🔍 Models

CODE	CONNECTION (DNA - DNI)	INTENSITY A				DIMENSIONS	PACKING	WEIGHT	VOLUME
	mm	II 230	III 230	III 400	III 700	A		kg	m³
KPA 250M	90	12.4	-	-	-	760	1	28.5	0.14
KPA 300M	90	14.5	-	-	-	760	1	30.5	0.14
KPA 250	90	-	8.3	4.8	-	760	1	25.5	0.14
KPA 300	90	-	8.8	5.1	-	760	1	26.2	0.14
KPA 350	90	-	10.4	6.0	-	801	1	30.5	0.14
KPA 450	90	-	11.7	6.75	-	801	1	30.5	0.14
KPA 550	90	-	14.6	8.5	5.0	815	1	35.5	0.14
KPA 500	110	-	15.6	9	5.2	889	1	45	0.21
KPA 600	110	-	20	11.5	6.6	914	1	46	0.21
KPA 750	110	-	20.9	12.1	7	914	1	52	0.21
KPA 1000	110	-	27.3	15.8	9.2	944	1	66	0.21
KPA 1250	110	-	31.2	18	10.4	984	1	76	0.21



**HYDRAULIC FEATURES:**

SINGLE PHASE MODELS	THREE PHASE MODELS	HEAD (m)	6	8	10	12	14	16	18	20	22	24	26
				FLOW (m³/h)	52	47	41	35	28	-	-	-	-
KPA250M	KPA250M	60	54		48	42	35	26	-	-	-	-	-
-	KPA300M	73	60		58	50	41	28	-	-	-	-	-
-	KPA 350	75	70		66	57	47	36	23	-	-	-	-
-	KPA 450	86	80		73	67	52	42	28	-	-	-	-
-	KPA 550	-	90		80	64	47.5	39.9	23	-	-	-	-
-	KPA 500	-	94		90	84	75	64	54	44	-	-	-
-	KPA 600	-	122		117	108	92	80	57	44	-	-	-
-	KPA 750	-	133		128	112	105.5	90	70	49	-	-	-
-	KPA 1000	-	-		-	139	126	118	100	90	82	63	40

**ELECTRIC FEATURES:**

PUMP MODELS	INPUT POWER P1	OUTPUT POWER P2		NOISE LEVEL
		kW	HP	
50 HZ	kW	kW	HP	MAX db A
KPA250M	2.30	1.8	2.5	65.2
KPA300M	2.76	2.2	3.0	65.8
KPA 350	3.70	9.6	3.5	68.4
KPA 450	4.30	3.3	4.5	74
KPA 550	4.70	4.1	5.5	82
KPA 500	4.70	4.1	5.5	80
KPA 600	5.75	4.8	6.5	82
KPA 750	7.00	5.5	7.5	85
KPA 1000	8.70	7.4	10	87
KPA 1250	10.2	9.3	12.5	87



# 07 | SELF PRIMING PUMP "MAGNUS"

## ✓ Technical features

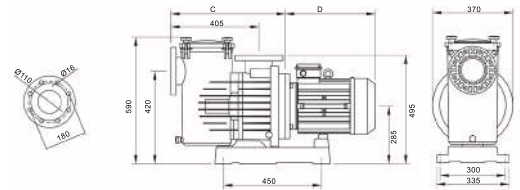
A high flow, self-priming pump with a large pre-filter, which together with an excellent hydraulic performance, delivers a very large filtration system. The 'Magnus' swimming pool pump is extremely quiet and is available with 2 and 4 pole motors with speeds of up to 2,850 RPM.

- Clear polycarbonate lid with four-pin locking system for easy access and viewing of the pre-filter basket
- Flanged connections and a broad base makes this system very robust. (Counter flanges are not supplied as standard but available on request)
- Turbine available in noryl or marine bronze – Available on request
- Pump and pre-filter bodies, volute, counter volute and cover in polypropylene reinforced with fibreglass
- Excellent chemical resistance
- Large polythene pre-filter to prevent debris from damaging the pump
- Noryl impeller (Bronze impeller on 2 pole models)
- Mechanical seal in ceramic carbon and AISI 316 stainless steel (Sea water compatible)
- AISI 316 Stainless steel shaft and screws
- Enclosed IE3 asynchronous motor with external ventilation
- Motor bearings greased to ensure long life and silent operation
- Working frequency: 50Hz and 60Hz on demand
- Maximum water temperature: 50° C
- Maximum ambient temperature: +40° C
- Motor: 1450 RPM @ 50Hz (Models 250 to 1000), 2850 RPM @ 60Hz (Models 1250 and 1500)
- Maximum operating pressure: 3 bar
- Protection rating: IP55
- Insulation rating: Class F



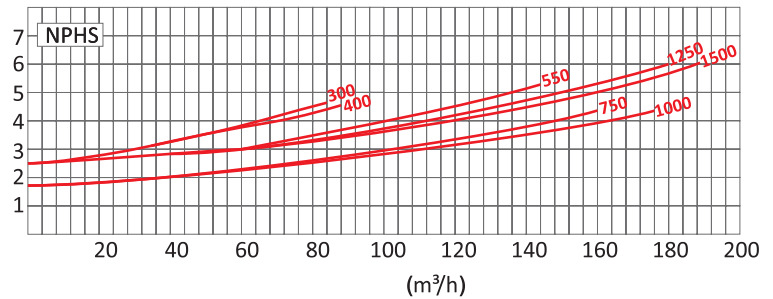
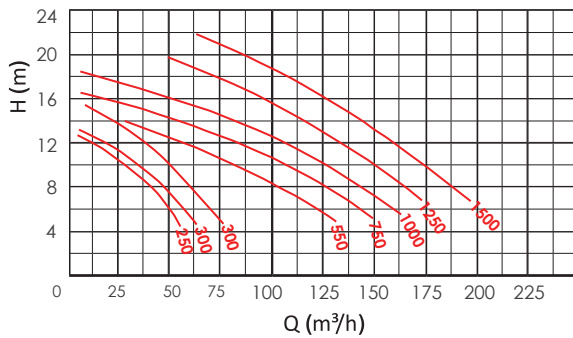
4 poles motor for power ratings between 3 and 10hp. 2 poles motor for 12.5 and 15hp.  
With all models impeller available in noryl or bronze.

## Dimensions



## Q Models

CODE	CONNECTIONS (DNA - DNI)	INTENSITY A		C	D	PACKING	WEIGHT	VOLUME
	mm	III 230	III 400	mm	mm		kg	m <sup>3</sup>
MAGNUS-4 250	110	8.5	4.9	530	310	1	42	0.19
MAG-4-250-BRIM	110	8.5	4.9	530	310	1	42	0.19
MAGNUS-4 300	110	9.4	5.3	530	310	1	42.5	0.19
MAG-4-300-BRIM	110	9.4	5.3	530	310	1	42.5	0.19
MAGNUS-4 400	110	12.5	6.9	530	310	1	44.5	0.19
MAG-4-400-BRIM	110	12.5	6.9	530	310	1	44.5	0.19
MAGNUS-4 550	110	15.3	8.8	530	335	1	53.4	0.32
MAG-4-550-BRIM	110	15.3	8.8	530	335	1	53.4	0.32
MAGNUS-4 750	110	-	12	508	380	1	66	0.32
MAG-4-750-BRIM	110	-	12	508	380	1	66	0.32
MAGNUS-4 1000	110	-	15.8	508	380	1	76	0.32
MAG-4-1000-BRIM	110	-	15.8	508	380	1	76	0.32
MAGNUS-2-1250-BRIM	110	-	18.5	508	380	1	84.5	0.32
MAGNUS-2-1500-BRIM	110	-	20.9	508	380	1	85.5	0.32



**HYDRAULIC FEATURES:**

PUMP MODEL		HEIGHT	6	8	10	12	14	16	18	20	22
		(m)									
MAGNUS-4 250	-	FLOW (m³/h)	50	39	31	12.5	-	-	-	-	-
MAGNUS-4 300	MAG-300-BRIM		58	49	37	18	-	-	-	-	-
MAGNUS-4 400	MAG-400-BRIM		70	62.5	51	38	25	-	-	-	-
MAGNUS-4 550	MAG-550-BRIM		123	104	84	57	30	-	-	-	-
MAGNUS-4 750	MAG-750-BRIM		143	127	107	85	57	18	-	-	-
MAGNUS-4 1000	MAG-1000-BRIM		160	145	126	107	80	48	14	-	-
-	MAG-1250-BRIM		-	167	150	136	118	99	75	50	-
-	MAG-1500-BRIM		-	188	175	160	146	127	110	87.5	62.5

**ELECTRIC FEATURES:**

PUMP MODELS		INPUT POWER P1	OUTPUT POWER P2		NOISE LEVEL
50 HZ		kW	kW	HP	MAX db A
MAGNUS-4 250	-	2.43	1.8	2.5	59
MAGNUS-4 300	MAG-300-BRIM	2.97	2.2	3	60
MAGNUS-4 400	MAG-400-BRIM	3.83	3	4	61
MAGNUS-4 550	MAG-550-BRIM	5.54	4	5.5	63
MAGNUS-4 750	MAG-750-BRIM	6.85	5.5	7.5	65
MAGNUS-4 1000	MAG-1000-BRIM	8.26	7.5	10	66
-	MAG-1250-BRIM	13.7	9.2	12.5	67
-	MAG-1500-BRIM	15.7	11	15	68





# 08 | VARIABLE SPEED PUMP "VSD MAGNUS"

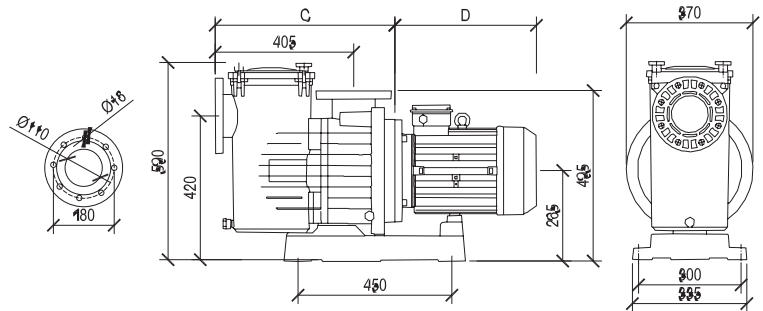
## ✓ Technical features

The VSD Magnus pump is an extremely quiet, new generation system, integrating a new frequency inverter that is highly efficient and reduces energy consumption. The 'VSD Magnus' is the perfect solution for large filtration systems in commercial swimming pools.

- Large capacity pre-filter basket
- Variable speed to optimise energy consumption
- Large multi-lingual display
- Communicates with up to 8 VSD Magnus pumps in a parallel network
- Alternate operation by time and schedule
- Self learning system that constantly searches the parameters that determines the dry running
- Protection against motor overloading by consumption
- Sea and saltwater compatible
- Power supply: 3-phase 400V 50Hz and 60Hz on demand
- Efficiency class: IE3+ inverter
- Maximum water temperature: 50°C
- Maximum ambient temperature: +40°C
- Motor: 1450 RPM
- Maximum operating pressure: 3 bar
- Protection rating: IP55
- Insulation rating: Class F

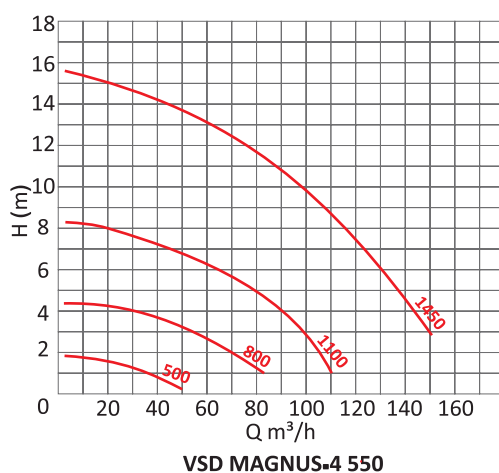
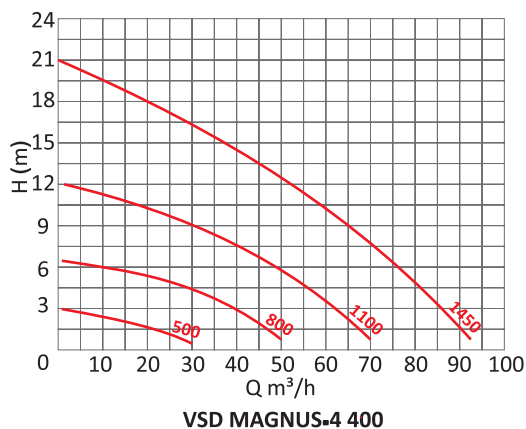
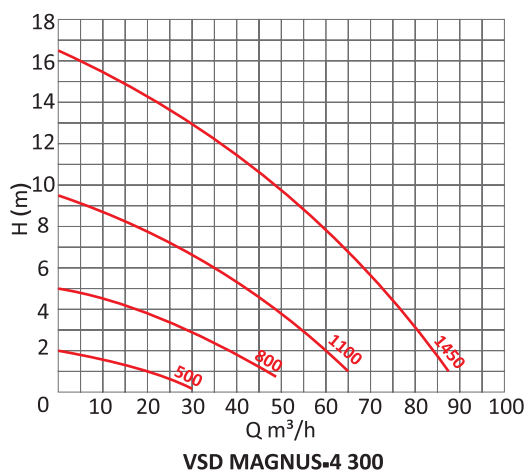
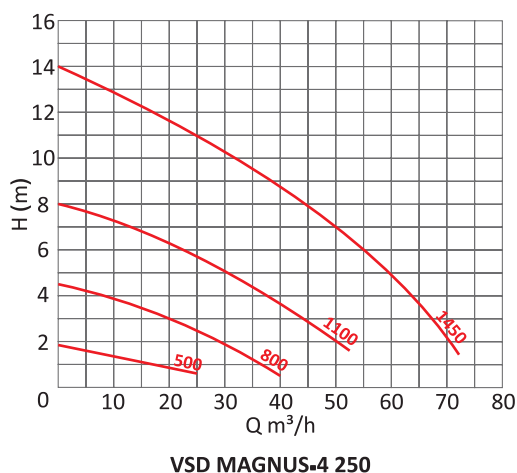


## 📏 Dimensions



## 🔍 Models

CODE	CONNECTIONS (DNA - DNI)	INTENSITY A	C	D	PACKING	WEIGHT	VOLUME
	mm					kg	m <sup>3</sup>
VSD MAGNUS-4 250	110	4.8	530	310	1	42	0.19
VSD MAGNUS-4 300	110	5.3	530	310	1	42.5	0.19
VSD MAGNUS-4 400	110	6.9	530	310	1	44.5	0.19
VSD MAGNUS-4 550	110	8.8	530	335	1	53.4	0.32



**HYDRAULIC FEATURES:**

PUMP MODEL	HEIGHT	RPM 500				RPM 800				RPM 1100				RPM 1450									
	(m)	2	4	6	8	2	4	6	8	2	4	6	8	2	4	6	8	10	12	14	16	18	20
VSD, MAGNUS-4 250	FLOW (m³/h)	-	-	-	-	30	10	-	-	52	40	25	-	70	63	55	45	33	20	3	-	-	-
VSD, MAGNUS-4 300		-	-	-	-	40	20	-	-	60	50	37	18	85	77	68	60	48	35	20	3	-	-
VSD, MAGNUS-4 400		10	-	-	-	42	35	15	-	63	57	48	40	92	85	78	73	65	55	45	35	27	18
VSD, MAGNUS-4 550		-	-	-	-	70	20	-	-	108	90	65	25	145	130	115	100	75	48	-	-	-	-

**ELECTRIC FEATURES:**

SINGLE PHASE MODELS	RPM 500			RPM 800			RPM 1100			RPM 1450			NOISE LEVEL
	INPUT POWER P1	OUTPUT POWER P2		INPUT POWER P1	OUTPUT POWER P2		INPUT POWER P1	OUTPUT POWER P2		INPUT POWER P1	OUTPUT POWER P2		
50 HZ	kW	kW	HP	kW	kW	HP	kW	kW	HP	kW	kW	HP	MAX db A
VSD, MAGNUS-4 250	0.124	0.092	0.12	0.486	0.36	0.48	1.32	0.98	1.31	2.43	1.8	2.5	59
VSD, MAGNUS-4 300	0.162	0.12	0.16	0.65	0.48	0.64	1.69	1.25	1.67	2.97	2.2	3	60
VSD, MAGNUS-4 400	0.194	0.152	0.20	0.80	0.63	0.84	2.08	1.63	2.18	3.83	3	4	61
VSD, MAGNUS-4 550	0.29	0.21	0.28	1.16	0.84	1.12	3.03	2.19	2.93	5.54	4	5.5	63



# 09 | SELF PRIMING PUMP "VERT MAGNUS"

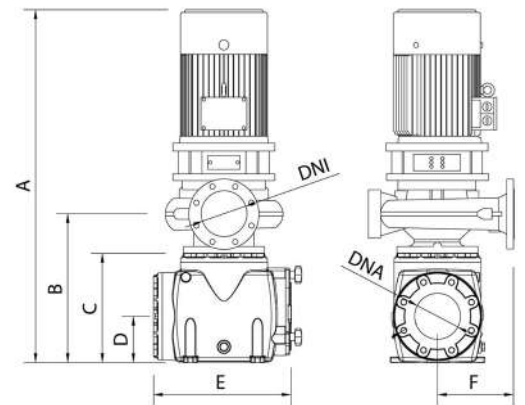
## ✓ Technical features

The Vert Magnus is an extremely quiet, high flow, self priming pump, available with 2 and 4 pole motors. Incorporating a large suction side pre-filter and excellent hydraulic performance ensures an extremely high filtration capacity, perfectly suited for large commercial swimming pools.

- AISI 316 Stainless steel pre-filter, shaft and mechanical seal
- Large pre-filter basket
- Standard connection flanges 110mm (4")
- Cataphoresis coating for high corrosion resistance
- Noryl impeller and support base (Bronze impeller available on request)
- AISI 316 Stainless steel mechanical seal
- IE3 asynchronous motor with external ventilation
- Lubricated bearings to ensure long life and quiet operation
- Sea and saltwater compatible
- Working Frequency: 50Hz and 60Hz on demand
- Maximum liquid temperature: +40°C
- Motor: 1450 RPM (models 250 to 1000), 2850 RPM (models 1250 and 1500)
- Protection rating: IP55
- Insulation rating: Class F

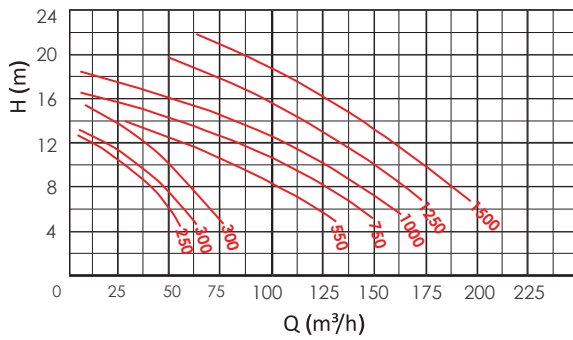


## 📏 Dimensions



## 🔍 Models

CODE	CONNECTIONS (DNA - DNI)	INTENSITY A		DIMENSIONS						PACKING	WEIGHT	VOLUME
		III 230	III 400	A	B	C	D	E	F		kg	m <sup>3</sup>
VERT MAGNUS-4-250	125-100	8.5	4.9	903	503	338	169	410	325	1	85	0.54
VERT MAGNUS-4-300	125-100	9.4	5.3	903	503	338	169	410	325	1	85.5	0.54
VERT MAGNUS-4-400	125-100	12.5	6.9	903	503	338	169	410	325	1	87.5	0.54
VERT MAGNUS-4-550	125-100	15.3	8.8	903	503	338	169	410	325	1	96.5	0.77
VERT MAGNUS-4-750	125-100	-	12	903	503	338	169	410	325	1	109	0.77
VERT MAGNUS-4-1000	125-100	-	15.8	903	503	338	169	410	325	1	119	0.77
VERT MAGNUS-4-1250	125-100	-	18.5	903	503	338	169	410	325	1	127.5	0.77
VERT MAGNUS-4-1500	125-100	-	20.9	903	503	338	169	410	325	1	128.5	0.77



**HYDRAULIC FEATURES:**

PUMP MODEL	HEIGHT	6	8	10	12	14	16	18	20	22
	(m)									
VERT MAGNUS-4-250	FLOW (m³/h)	50	39	31	12.5	-	-	-	-	-
VERT MAGNUS-4-300		58	49	37	18	-	-	-	-	-
VERT MAGNUS-4-400		70	62.5	51	38	25	-	-	-	-
VERT MAGNUS-4-550		123	104	84	57	30	-	-	-	-
VERT MAGNUS-4-750		143	127	107	85	57	18	-	-	-
VERT MAGNUS-4-1000		160	145	126	107	80	48	14	-	-
VERT MAGNUS-4-1250		-	167	150	136	118	99	75	50	-
VERT MAGNUS-4-1500		-	188	175	160	146	127	110	87.5	62.5

**ELECTRIC FEATURES:**

PUMP MODELS	INPUT POWER P1	OUTPUT POWER P2		NOISE LEVEL
		kW	HP	
50 HZ	kW	kW	HP	MAX db A
VERT MAGNUS-4-250	2.43	1.8	2.5	59
VERT MAGNUS-4-300	2.97	2.2	3	60
VERT MAGNUS-4-400	3.83	3	4	61
VERT MAGNUS-4-550	5.54	4	5.5	63
VERT MAGNUS-4-750	6.85	5.5	7.5	65
VERT MAGNUS-4-1000	8.26	7.5	10	66
VERT MAGNUS-4-1250	13.7	9.2	12.5	67
VERT MAGNUS-4-1500	15.7	11	15	68



# 10 | CENTRIFUGAL PUMP 2900 R.P.M IN CAST IRON & BRONZE

## ✓ Technical features

A high volume centrifugal pump, ideal for large filtration systems in commercial swimming pools. Manufactured in cast iron (CF-2 and HF-2) or bronze (BR-2) for sea water installations and those that use saltwater electrolysis as a means of disinfection.

- Large pre-filter basket for extended intervals between maintenance
- Flange connection from DN-80 to DN-125
- Standard asynchronous, 2 pole motor, sealed from external ventilation. Simple to repair or replace without disruption to the valves or hydraulic system
- Lubricated bearings to ensure long life and quiet operation
- Suitable for high heights filtration systems (HF-2 models only)
- Power supply: 230/400V 50Hz and 60Hz on demand
- IE3 standardised motor at 2900 RPM at 50 Hz (3450 RPM at 60Hz)
- Protection rating: IP55
- Insulation rating: Class F



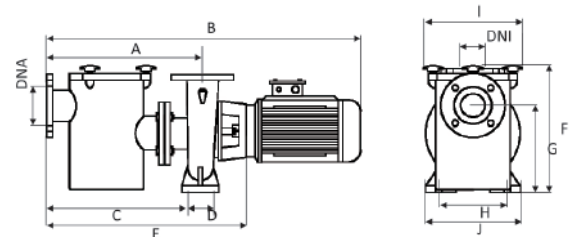
### Construction (CF-2 and HF-2 models):

- Cast iron pump body, pre-filter, coupling and impeller (Bronze impeller available on request)
- AISI 316 Stainless steel shaft and pre-filter basket
- Carbon ceramic mechanical seal (Silicon carbide or tungsten carbon available on request)

### Construction (BR-2 models):

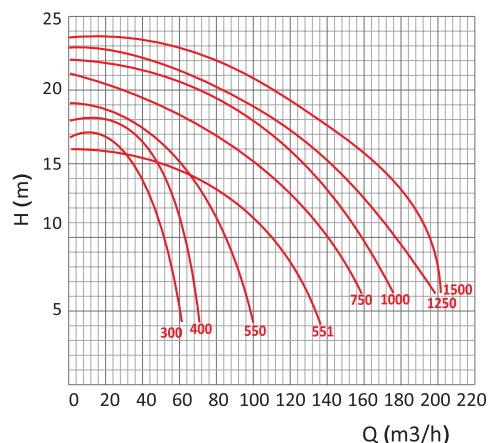
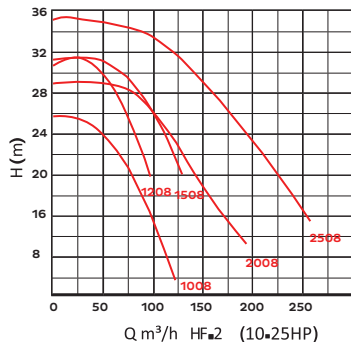
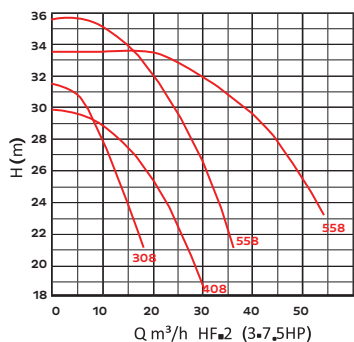
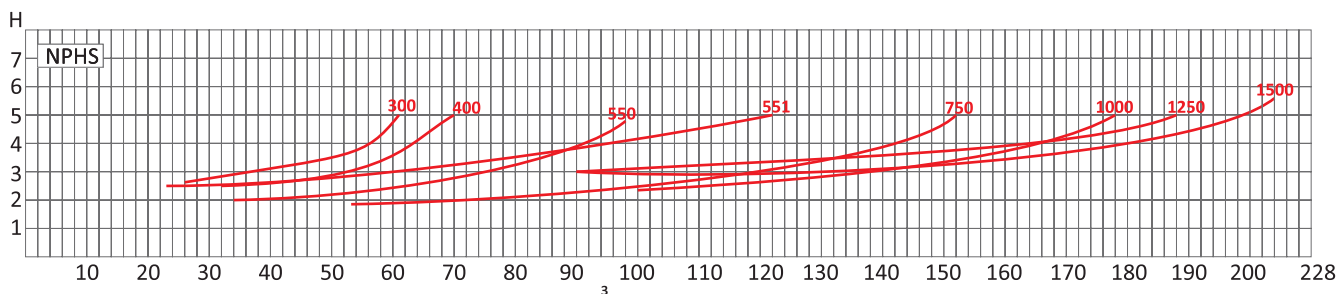
- Pump body, pre-filter, support and impeller in DIN 1705 RG 5 bronze (G-CuSn 5 ZnPb)
- AISI 316 Stainless steel shaft, pre-filter basket and bolts
- Cast iron coupling
- Carbon ceramic and AISI 316 Stainless steel mechanical seal
- These pumps can be supplied in any other bronze alloy (Available on request)

## 📏 Dimensions



## 🔍 Models

CODE		CONNECTIONS (DNa - DNI)	INTENSITY A		DIMENSIONS										PACKING	WEIGHT	VOLUME
CAST IRON	BRONZE	mm	III 230	III 400	A	B	C	D	E	F	G	H	I	J		kg	m <sup>3</sup>
CF2-300	BR2-300	80	9	5.2	465	880	425	80	605	410	275	200	320	250	1	75-90	0.27
CF2-400	BR2-400	80	12	6.9	465	910	425	80	605	410	275	200	320	250	1	79-96	0.27
CF2-550	BR2-550	125-100	16.5	9.5	500	985	455	105	635	435	280	215	330	280	1	104-124	0.30
CF2-551	BR2-551	125-100	16.5	9.5	500	985	455	105	635	435	280	215	330	280	1	104-124	0.30
CF2-750	BR2-750	125-100	21.7	12.5	500	1050	455	105	675	435	280	215	330	280	1	121-140	0.30
CF2-1000	BR2-1000	125-100	-	15.5	525	1095	470	120	725	465	325	275	345	330	1	140-163	0.30
CF2-1250	BR2-1250	125-100	-	19	525	1130	470	120	725	465	325	275	345	330	1	148-163	0.30
CF2-1500	BR2-1500	125-100	-	23	525	1130	470	120	725	465	325	275	345	330	1	148-168	0.30
HF2-308	-	65-50	8.5	5.2	465	979	430	70	639	360	224	212	265	302	1	94	0.27
HF2-408	-	80-65	11.8	7.1	442	998	398	95	616	450	310	250	320	333	1	105	0.27
HF2-558	-	80-65	16.2	9.4	442	1021	398	95	616	450	310	250	320	333	1	110	0.30
HF2-758	-	100-80	-	14.2	490	1138	443	95	733	430	246	280	345	365	1	140	0.30
HF2-1008	-	100-80	-	16.5	490	1248	443	95	733	430	246	280	345	365	1	155	0.30
HF2-1208	-	125-100	-	16.5	500	1258	440	120	743	480	310	280	360	392	1	176	0.30
HF2-1508	-	125-100	-	24.2	515	1413	455	120	788	505	335	315	400	424	1	272	0.30
HF2-2008	-	150-125	-	32	585	1528	525	120	858	611	440	315	400	472	1	355	0.30
HF2-2508	-	150-125	-	41.5	585	1528	525	120	858	611	440	315	400	472	1	385	0.30



**HYDRAULIC FEATURES:**

CAST IRON	BRONZE	HEIGHT (m)	CF2-BR2	6	8	10	12	14	16	18	20	22	
			HF2	18	20	22	24	25	27	30	32	35	
CF2-300	BR2-300	FLOW (m³/h)		58	54	51	46	35	29	-	-	-	
CF2-400	BR2-400			70	64	62	55	49	42	35	-	-	
CF2-550	BR2-550			90	87.5	84	75	65	54	37.5	-	-	
CF2-551	BR2-551			125	114	107	87.5	63	25	-	-	-	
CF2-750	BR2-750			154	144	135	124	106	88	63	-	-	
CF2-1000	BR2-1000			172	162.5	137.5	144	132	118	100	68	-	
CF2-1250	BR2-1250			194	181	150	160	144	136	112.5	86	-	
CF2-1500	BR2-1500			202	197	172	183	170	156	133	110	81	
HF2-308	-				-	-	17	16	14	12	-	-	-
HF2-408	-				-	29	26	23	21	17	6	-	-
HF2-558	-				-	-	36	34	33	30	25	20	10
HF2-758	-				-	-	-	53	51	47	38	30	-
HF2-1008	-				88	76	66	50	38	-	-	-	-
HF2-1208	-				-	-	-	80	78	70	42	-	-
HF2-1508	-				-	-	-	117	113	96	72	-	-
HF2-2008	-			-	142	128	118	112.5	96	71	-	-	
HF2-2508	-			-	225	212	196	188	172	145	123	50	

**ELECTRIC FEATURES:**

CAST IRON	BRONZE	INPUT POWER P1	OUTPUT POWER P2		NOISE LEVEL
			kW	HP	
50 HZ	50 HZ	kW	kW	HP	MAX db A
CF2-300	BR2-300	2.64	2.2	3	64
CF2-400	BR2-400	3.54	3	4	64
CF2-550	BR2-550	4.65	4	5.5	65
CF2-551	BR2-551	4.65	4	5.5	66
CF2-750	BR2-750	6.27	5.5	7.5	69
CF2-1000	BR2-1000	8.36	7.5	10	71
CF2-1250	BR2-1250	10.28	9.2	12.5	72
CF2-1500	BR2-1500	12.3	11	15	74
HF2-308	-	2.69	2.2	3	64
HF2-408	-	3.54	3	4	64
HF2-558	-	4.65	4	5.5	65
HF2-758	-	6.24	5.5	7.5	69
HF2-1008	-	8.36	7.5	10	71
HF2-1208	-	10.28	7.5	10	72
HF2-1508	-	12.3	11	15	74
HF2-2008	-	16.7	15	20	76
HF2-2508	-	20.6	18.5	25	77



# 11 | CENTRIFUGAL PUMP "VERT CF-2 & VERT HF-2"

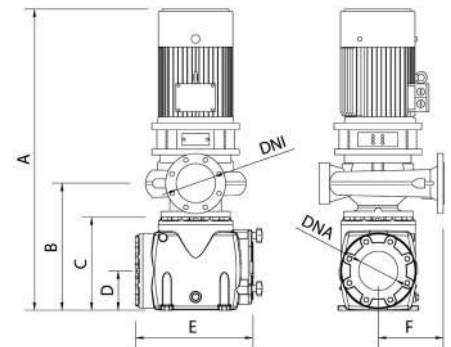
## ✓ Technical features

Manufactured in cast iron, this high flow, centrifugal pump has been designed for large filtration systems in commercial swimming pools. For easy maintenance, this pump incorporates a standard 2 pole motor, making repair or replacement very easy without any disruption to the valves or hydraulic system.

- Cast iron pump body, pre-filter chamber and coupling
- Large pre-filter basket made in AISI 316 Stainless steel
- Mechanical seal in carbon ceramic (Silicon carbide or tungsten carbon available on request)
- Cast iron impeller as standard (Bronze impeller available on request)
- Flange connection from DN-80 to DN-125
- Stainless steel AISI 316 shaft and screws
- Standard asynchronous, 2 pole motor, sealed from external ventilation
- Lubricated bearings to ensure long life and quiet operation
- Ideal for high height filtration systems (Vert HF-2 models only)
- Power supply: 230/400V 50Hz and 60Hz on demand
- IE3 standardised motor: 2900 RPM at 50Hz (3450 RPM at 60Hz)
- Protection rating: IP55
- Insulation rating: Class F

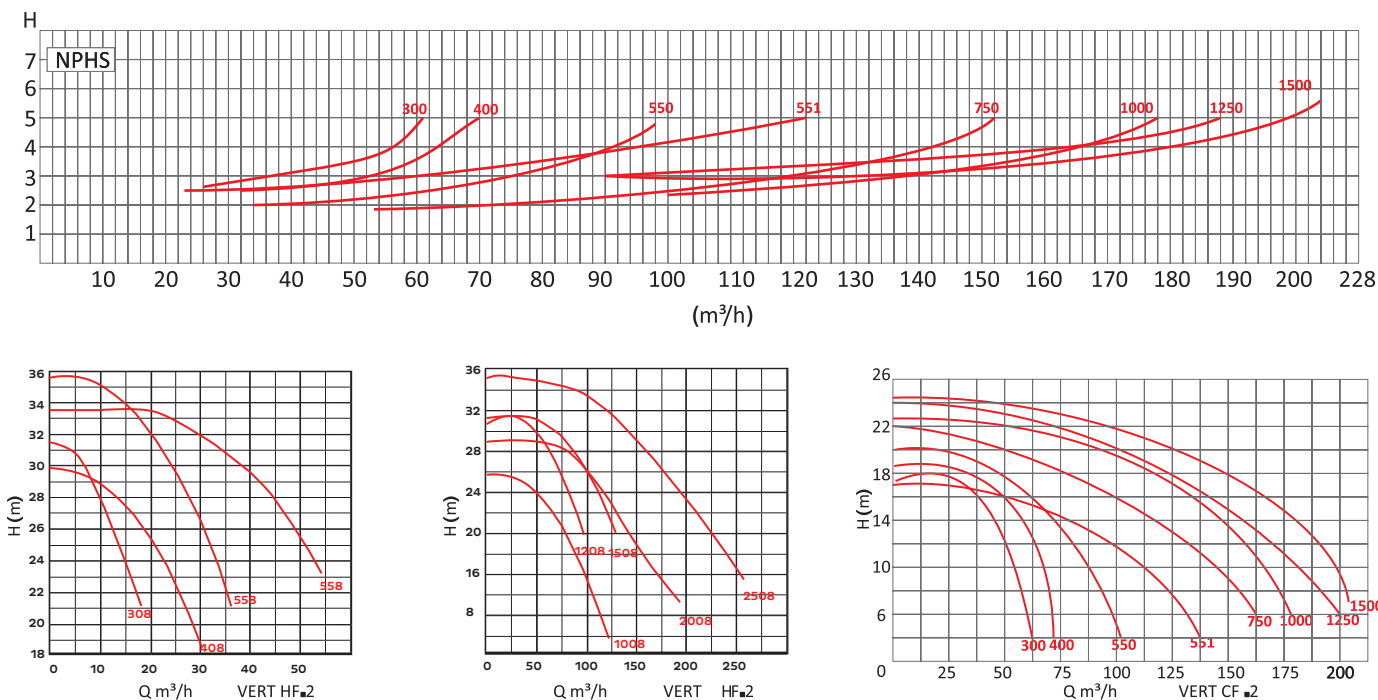


## 📏 Dimensions



## 🔍 Models

CODE	CONNECTIONS (DNA - DNI)	INTENSITY A		DIMENSIONS						PACKING	WEIGHT kg	VOLUME m³
		III 230	III 400	A	B	C	D	E	F			
CAST IRON	mm											
VERT CF-2-300	80	9	5.2	858	448	338	169	410	165	1	167	0.45
VERT CF-2-400	80	12	6.9	888	448	338	169	410	165	1	171	0.47
VERT CF-2-550	125-100	16.5	9.5	933	463	338	169	410	200	1	200	0.49
VERT CF-2-551	125-100	16.5	9.5	933	463	338	169	410	200	1	200	0.49
VERT CF-2-750	125-100	21.7	12.5	998	463	338	169	410	200	1	215	0.52
VERT CF-2-1000	125-100	-	15.5	1043	483	338	169	410	235	1	236	0.55
VERT CF-2-1250	125-100	-	19	1078	483	338	169	410	235	1	243	0.57
VERT CF-2-1500	125-100	-	23	1078	448	338	169	410	235	1	243	0.57
VERT HF-2-308	65-32	8.5	5.2	836	418	338	169	410	200	1	149	0.44
VERT HF-2-408	65-32	11.8	7.1	893	418	338	169	410	225	1	161	0.47
VERT HF-2-558	65-32	16.2	9.4	893	418	338	169	410	225	1	183	0.47
VERT HF-2-758	65-40	-	14.2	1021	418	338	169	410	250	1	210	0.54
VERT HF-2-1008	65-50	-	16.5	1041	438	338	169	410	250	1	220	0.55
VERT HF-2-1208	65-50	-	16.5	1041	438	338	169	410	280	1	188	0.55
VERT HF-2-1508	80-65	-	24.2	1141	438	338	169	410	280	1	289	0.60
VERT HF-2-2008	100-80	-	32	1166	463	338	169	410	355	1	308	0.60
VERT HF-2-2508	100-80	-	41.5	1246	463	338	169	410	355	1	325	0.66



**HYDRAULIC FEATURES:**

CAST IRON	HEIGHT (m)	CF-2	6	8	10	12	14	16	18	20	22
		HF-2	18	20	22	24	25	27	30	32	35
VERT CF-2-300	FLOW (m³/h)		58	54	51	46	35	29	-	-	-
VERT CF-2-400			70	64	62	55	49	42	35	-	-
VERT CF-2-550			90	87.5	84	75	65	54	37.5	-	-
VERT CF-2-551			125	114	107	87.5	63	25	-	-	-
VERT CF-2-750			154	144	135	124	106	88	63	-	-
VERT CF-2-1000			172	162.5	137.5	144	132	118	100	68	-
VERT CF-2-1250			194	181	150	160	144	136	112.5	86	-
VERT CF-2-1500			202	197	172	183	170	156	133	110	81
VERT HF-2-308			-	-	17	16	14	12	-	-	-
VERT HF-2-408			-	29	26	23	21	17	6	-	-
VERT HF-2-558			-	-	36	34	33	30	25	20	10
VERT HF-2-758			-	-	-	53	51	47	38	30	-
VERT HF-2-1008			88	76	66	50	38	-	-	-	-
VERT HF-2-1208			-	-	-	80	78	70	42	-	-
VERT HF-2-1508			-	-	-	117	113	96	72	-	-
VERT HF-2-2008			-	142	128	118	112.5	96	71	-	-
VERT HF-2-2508		-	225	212	196	188	172	145	123	50	

**ELECTRIC FEATURES:**

MODELS	INPUT POWER P1	OUTPUT POWER P2		MODELS	INPUT POWER P1	OUTPUT POWER P2		NOISE LEVEL
50 HZ	kW	kW	HP	50 HZ	kW	kW	HP	MAX db A
VERT CF-2-300	2.64	2.2	3	VERT HF-2-308	2.69	2.2	3	64
VERT CF-2-400	3.54	3	4	VERT HF-2-408	3.54	3	4	64
VERT CF-2-550	4.65	4	5.5	VERT HF-2-558	4.65	4	5.5	65
VERT CF-2-551	4.65	4	5.5	VERT HF-2-758	6.24	5.5	7.5	69
VERT CF-2-750	6.27	5.5	7.5	VERT HF-2-1008	8.36	7.5	10	71
VERT CF-2-1000	8.36	7.5	10	VERT HF-2-1208	10.28	7.5	10	72
VERT CF-2-1250	0.28	9.2	12.5	VERT HF-2-1508	12.3	11	15	74
VERT CF-2-1500	12.3	11	15	VERT HF-2-2008	16.7	15	20	76
-	-	-	-	VERT HF-2-2508	20.6	18.5	25	77





# 12 | CENTRIFUGAL PUMP 1450 R.P.M IN CAST IRON

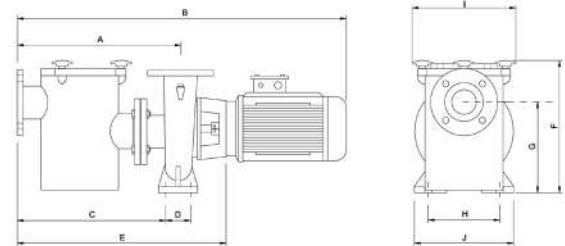
## ✓ Technical features

A cast iron, large volume, centrifugal pump with pre-filter, suitable for all demanding filtration systems in commercial swimming pools. Designed for quiet running and easy maintenance, this device incorporates a standard 4 pole motor and makes repair or replacement very easy without the need to remove valves or the hydraulic system.

- Cast iron pump body, support and pre-filter chamber
- Large pre-filter basket made in AISI 316 Stainless steel
- Silicon carbide mechanical seal (Tungsten carbon, AISI 316, epdm viton etc - Available on request)
- Cast iron impeller as standard (Bronze impeller available on request)
- Flange connection from DN-65 to DN-125
- Stainless steel AISI 316 shaft coupling and screws
- Motor and pump shafts connected by coupling
- Standard asynchronous, 4 pole motor, sealed from external Cataphoresis processed for corrosion resistance.
- Lubricated bearings to ensure long life and quiet operation
- Suitable for high heights filtration systems (HF-4 models only)
- IE3 standardised motor: 1450 RPM at 50Hz(1750 RPM at 60Hz)
- Protection rating: IP55
- Insulation rating: Class F
- Power supply: 230/400V 50Hz and 60Hz on demand

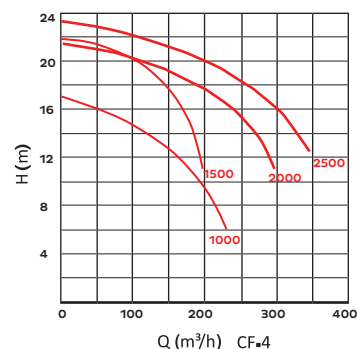
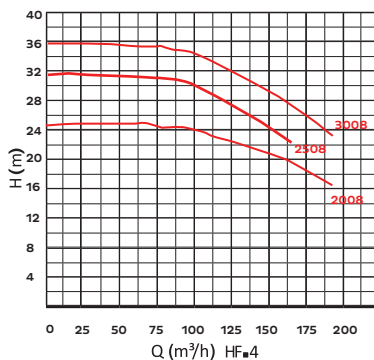
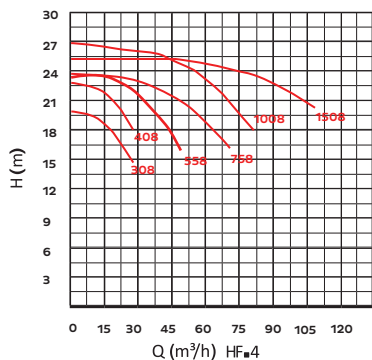
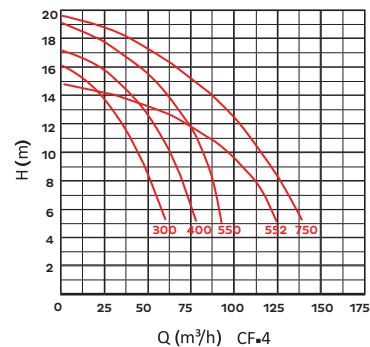
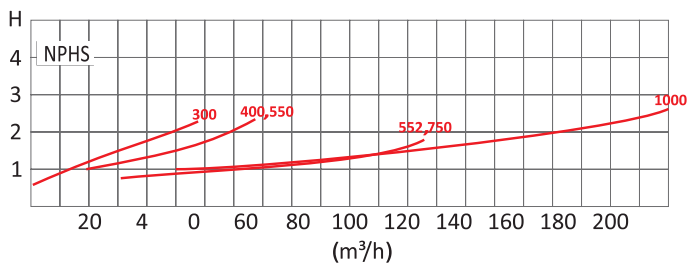


## Dimensions



## Models

CODE	CONNECTIONS (DNA - DNI)	INTENSITY A		DIMENSIONS										PACKING	WEIGHT	VOLUME
	mm	III 230	III 400	A	B	C	D	E	F	G	H	I	J		kg	m <sup>3</sup>
CF4-300	65-50	9.4	5.3	465	979	430	70	639	360	250	212	265	302	1	94	0.27
CF4-400	80-65	12.5	6.9	442	998	398	95	616	450	250	250	320	333	1	105	0.27
CF4-550	80-65	17	9.2	442	1021	398	95	616	450	250	250	320	333	1	110	0.30
CF4-552	100-80	17	9.2	490	1138	443	95	733	430	270	280	345	365	1	140	0.30
CF4-750	100-80	23	12	490	1248	443	95	733	430	270	280	345	365	1	155	0.30
CF4-1000	125-100	-	15.5	500	1258	440	120	743	480	270	280	360	392	1	176	0.25
CF4-1500	125-100	-	21.8	515	1413	455	120	788	505	270	315	400	424	1	272	0.31
CF4-2000	150-125	-	32	585	1528	525	120	858	611	380	315	400	472	1	355	0.46
CF4-2500	150-125	-	39	585	1558	525	120	858	611	380	315	400	472	1	385	0.47
HF-4 308	65-40	9.4	5.5	480	994	432	95	654	415	310	250	260	336	1	127	0.10
HF-4 408	65-40	12.5	6.9	480	994	432	95	654	415	310	250	260	336	1	127	0.10
HF-4 558	65-50	17	9.2	480	994	432	95	654	415	310	250	260	343	1	139	0.10
HF-4 758	80-65	23	12	480	1125	420	120	723	450	330	280	260	370	1	195	0.11
HF-4 1008	80-65	-	15.5	505	1150	445	120	748	505	355	315	260	429	1	211	0.13
HF-4 1508	100-80	-	21.8	505	1238	445	120	778	480	315	315	260	410	1	306	0.12
HF-4 2008	125-100	-	32	520	1253	445	120	793	505	340	315	260	424	1	324	0.13
HF-4 2508	125-100	-	41.5	520	1331	460	120	793	565	365	315	260	478	1	364	0.14
HF-4 3008	125-100	-	52	520	1406	460	120	793	565	365	315	260	478	1	376	0.14



HYDRAULIC FEATURES:

CAST IRON	HEIGHT (m)	CF-4	9	10	12	14	15	16	18	20	21
		HF-4	18	20	22	24	25	27	30	32	35
CF4-300	FLOW (m³/h)		49	46	35	25	18	-	-	-	-
CF4-400			-	63	53	39	34	23	-	-	-
CF4-550			-	75	62	54	47	18	-	-	-
CF4-552			106	97	75	28	-	-	-	-	-
CF4-750			-	-	102	87	76	68	-	-	-
CF4-1000			-	195	162	120	90	60	-	-	-
CF4-1500			-	-	195	180	175	170	140	100	60
CF4-2000			-	-	290	280	248	245	195	102	
CF4-2500			-	-	-	340	325	300	260	200	170
HF-4 308			23	13	-	-	-	-	-	-	-
HF-4 408				27	19	-	-	-	-	-	-
HF-4 558			51	43	33	-	-	-	-	-	-
HF-4 758			75	64	50	12	-	-	-	-	-
HF-4 1008				85	75	63	54	-	-	-	-
HF-4 1058			-	-	110	90	72	-	-	-	-
HF-4 2008			-	190	160	120	102	-	-	-	-
HF-4 2508			-	-	-	170	160	140	120	-	-
HF-4 3008			-	-	-	210	200	190	160	135	102

ELECTRIC FEATURES:

MODELS	INPUT POWER P1	OUTPUT POWER P2		MODELS	INPUT POWER P1	OUTPUT POWER P2	
50 HZ	kW	kW	HP	50 HZ	kW	kW	HP
CF4-300	2.6	2.2	3	HF-4 308	2.6	2.2	3
CF4-400	3.51	3	4	HF-4 408	3.51	3	4
CF4-550	4.61	4	5.5	HF-4 558	4.61	4	5.5
CF4-552	4.6	4	5.5	HF-4 758	6.25	5.5	7.5
CF4-750	6.25	5.5	7.5	HF-4 1008	8.45	7.5	10
CF4-1000	8.45	7.5	10	HF-4 1508	12.25	11	15
CF4-1500	12.25	11	15	HF-4 2008	16.56	15	20
CF4-2000	16.56	15	20	HF-4 2508	20.29	18.5	25
CF4-2500	20.29	18.5	25	HF-4 3008	24.5	22	30



# 13 | CENTRIFUGAL PUMP "VERT CF-4/ VERT HF-4"

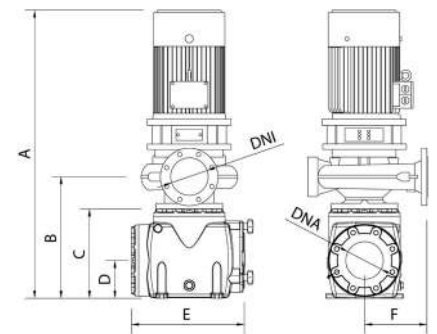
## ✓ Technical features

A cast iron, large volume centrifugal pump with large pre-filter and 4 pole motor makes this pump very quiet and long lasting, the ideal solution for large swimming pools in commercial environments. Developed for low maintenance, the standard motor can be easily repaired or replaced without disruption to the connected valves or hydraulic system

- Cast iron pump body, pre-filter, coupling and impeller
- Large pre-filter basket made in AISI 316 Stainless steel
- Silicon carbide mechanical seal (Tungsten carbon, AISI 316, EPDM, viton etc available on request)
- Cast iron impeller as standard (Bronze impeller available on request)
- Flange connection from DN-65 to DN-125
- Stainless steel AISA 316 shaft coupling and screws
- Motor and pump shafts connected by coupling
- Standard asynchronous, 4 pole motor, sealed from external Cataphoresis processed for corrosion resistance..
- Lubricated bearings to ensure long life and quiet operation
- Suitable for high heights filtration systems (Vert HF-4 models only)
- IE3 standardised motor: 1450 RPM at 50 Hz(1750 RPM at 60Hz)
- Protection rating: IP55
- Insulation rating: Class F
- Power supply: 230/400V 50Hz and 60 Hz on demand

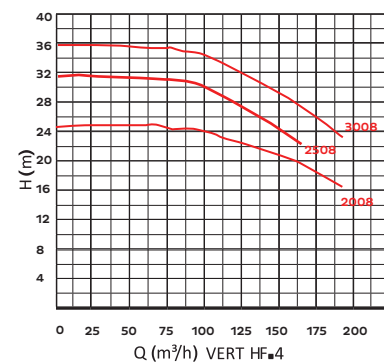
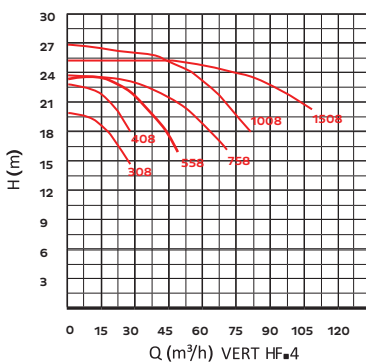
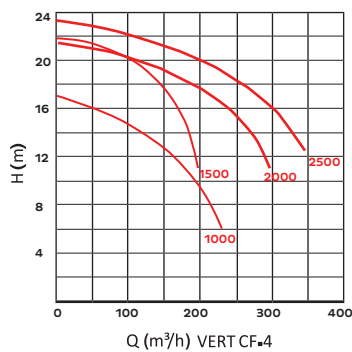
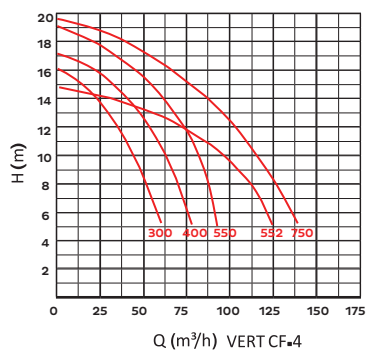


## 📏 Dimensions



## 🔍 Models

CODE	CONNECTIONS (DNA - DNI)	INTENSITY A		DIMENSIONS						PACKING	WEIGHT kg	VOLUME m³
		III 230	III 400	A	B	C	D	E	F			
VERT CF-4-300	65-50	9.4	5.3	913	438	338	169	410	200	1	194	0.48
VERT CF-4-400	80-65	12.5	6.9	913	438	338	169	410	225	1	205	0.48
VERT CF-4-550	80-65	17	9.2	913	438	338	169	410	225	1	210	0.48
VERT CF-4-552	100-80	17	9.2	1007	463	338	169	410	250	1	240	0.53
VERT CF-4-750	100-80	23	12	1096	463	338	169	410	250	1	255	0.58
VERT CF-4-1000	125-100	-	15.5	1122	463	338	169	410	280	1	276	0.59
VERT CF-4-1500	125-100	-	21.8	1211	478	338	169	410	280	1	372	0.64
VERT CF-4-2000	150-125	-	32	1291	478	338	169	410	355	1	455	0.68
VERT CF-4-2500	150-125	-	39	1331	448	338	169	410	355	1	485	0.70
VERT HF-4-308	65-40	9.4	5.5	913	438	338	169	410	225	1	185	0.49
VERT HF-4-408	65-40	12.5	6.9	913	438	338	169	410	225	1	189	0.49
VERT HF-4-558	65-50	17	9.2	913	438	338	169	410	225	1	198	0.49
VERT HF-4-758	80-65	23	12	1071	438	338	169	410	250	1	259	0.57
VERT HF-4-1008	80-65	-	15.5	1122	463	338	169	410	280	1	282	0.60
VERT HF-4-1508	100-80	-	21.8	1196	463	338	169	410	280	1	324	0.64
VERT HF-4-2008	125-100	-	32	1291	478	338	169	410	280	1	355	0.69
VERT HF-4-2508	125-100	-	41.5	1331	478	338	169	410	315	1	397	0.71
VERT HF-4-3008	125-100	-	52	1331	478	338	169	410	315	1	409	0.71



**HYDRAULIC FEATURES:**

CAST IRON	HEIGHT (m)	CF-4	9	10	12	14	15	16	18	20	21	
		HF-4	18	20	22	24	25	27	30	32	35	
VERT CF-4-300	FLOW (m³/h)		49	46	35	25	18	-	-	-	-	
VERT CF-4-400			-	63	53	39	34	23	-	-	-	
VERT CF-4-550			-	75	62	54	47	18	-	-	-	
VERT CF-4-552				106	97	75	28	-	-	-	-	
VERT CF-4-750				-	-	102	87	76	68	-	-	
VERT CF-4-1000				-	195	162	120	90	60	-	-	
VERT CF-4-1500				-	-	195	180	175	170	140	100	60
VERT CF-4-2000				-	-	290	280	248	245	195	102	
VERT CF-4-2500				-	-	-	340	325	300	260	200	170
VERT HF-4-308				23	13	-	-	-	-	-	-	-
VERT HF-4-408				-	27	19	-	-	-	-	-	-
VERT HF-4-558				51	43	33	-	-	-	-	-	-
VERT HF-4-758				75	64	50	12	-	-	-	-	-
VERT HF-4-1008				-	85	75	63	54	-	-	-	-
VERT HF-4-1508				-	-	110	90	72	-	-	-	-
VERT HF-4-2008				-	190	160	120	102	-	-	-	-
VERT HF-4-2508				-	-	-	170	160	140	120	30	-
VERT HF-4-3008				-	-	-	210	200	190	160	135	102

**ELECTRIC FEATURES:**

MODELS	INPUT POWER P1	OUTPUT POWER P2		MODELS	INPUT POWER P1	OUTPUT POWER P2	
50 HZ	kW	kW	HP	50 HZ	kW	kW	HP
VERT CF-4-300	2.6	2.2	3	VERT HF-4-308	2.6	2.2	3
VERT CF-4-400	3.51	3	4	VERT HF-4-408	3.51	3	4
VERT CF-4-550	4.61	4	5.5	VERT HF-4-558	4.61	4	5.5
VERT CF-4-552	4.6	4	5.5	VERT HF-4-758	6.25	5.5	7.5
VERT CF-4-750	6.25	5.5	7.5	VERT HF-4-1008	8.45	7.5	10
VERT CF-4-1000	8.45	7.5	10	VERT HF-4-1508	12.25	11	15
VERT CF-4-1500	12.25	11	15	VERT HF-4-2008	16.56	15	20
VERT CF-4-2000	16.56	15	20	VERT HF-4-2508	20.29	18.5	25
VERT CF-4-2500	20.29	18.5	25	VERT HF-4-3008	24.5	22	30



# 14 | SAFETY VACUUM RELEASE SYSTEM

## ✓ Technical features

A safety vacuum release system (SVRS) is a system or a device that disables a pool pump's suction ability so that a body or object trapped against the suction outlet is freed. It does this by inducting air to the pump and/or powering down the pump motor when it senses a sudden vacuum increase.

An SVRS can be easily installed in any pool, spa or water feature. These devices are built in the pump motor, installed as a controller, mounted onto the suction pipe, or are as easy as a replacement of a pump pot drain plug. The SVRS must be installed in conjunction with an approved VGB drain cover per ASME/ANSI A112.19.17. Most SVRS's and ANSI/APSP-7.

Vacless Electrical Breathers provide immediate vacuum relief upon entrapment by allowing atmospheric air to rapidly fill the pump pot while simultaneously turning off the pump. Electrical units include a three-minute time delay restart and audible alert. We are introducing the 14 versions of SVRS systems identified as Breather I, Breather II, and Breather III

### Breather 1 Features Sequence of Events – Breather 1 Automatic Reset

The pump starts and runs the normal filtration cycle using 110VAC, 220VAC or 3 PH power supply. Upon entrapment, the vacuum level inside the pot is elevated creating a differential pressure across the seal. Atmospheric air pushes the seal compressing a spring until the O-Ring crosses grooves that allow atmospheric air to rapidly fill the pot making the pump loose prime quickly freeing the entrapment. The entire travel of the seal occurs within milliseconds and after the entrapment is freed the seal automatically springs back to normal operating position for re-priming.

### Breather 2 Features Sequence of Events – Breather 2 Manual Reset

The pump starts and runs the normal filtration cycle using 110VAC, 220VAC or 3 PH power supply. Upon entrapment, the vacuum level inside the pot is elevated creating a differential pressure across the seal. Atmospheric air pushes the seal compressing a spring until the O-Ring crosses grooves that allow atmospheric air to rapidly fill the pot making the pump loose prime quickly freeing the entrapment. The entire travel of the seal occurs within milliseconds and after the entrapment is freed the seal will remain in a locked open position until it is manually pulled back to normal operating position for re-priming. Unit may allow water to be released through air channels from gravity fed water pressure when locked in the open position. Unit should be manually reset upon release of an entrapment.

### Breather 3 Features Sequence of Events – Breather 3 Electrical Automatic or Manual reset

The pump starts and runs the normal filtration cycle using 110VAC, 220VAC or 3 PH power supply. After 15 seconds, utilizing a delay relay, a 5-10V DC circuit becomes energized. Upon entrapment, the vacuum level inside the pot is elevated creating a differential pressure across the seal. Atmospheric air pushes the seal compressing a spring until the O-Ring crosses grooves that allow atmospheric air to rapidly fill the pot making the pump loose prime quickly freeing the entrapment. The entire travel of seal occurs within milliseconds causing the shoulder to strike a pin plunger of a snap acting normally closed electrical switch to the open position. The plunger will spring back momentarily to normal operating condition. As the plunger is depressed, the 28V DC control circuit becomes open and causes a normally closed switch to open and turn the pump off. To prevent false shutdown of the pump during start-up surges the 5-10V DC control circuit is equipped with a delay relay. This relay is responsible for postponing the energizing of the 5-10V DC transformer and precludes switching off the pump even if the plunger is depressed.



SVRS-10



SVRS-20



SVRS-30



SVRS-10ADJ



SVRS-20ADJ



SVRS-30ADJ

## Models

MODEL	TYPE	PORT POSITION	PACKING	WEIGHT	VOLUME
				kg	m <sup>3</sup>
<b>Breather 1- Automatic reset</b>					
SVRS 10	Standard	centre port	1	-	-
SVRS 11	Standard	offset port	1	-	-
SVRS 10ADJ	Adjustable	centre port	1	-	-
SVRS 11ADJ	Adjustable	offset port	1	-	-
<b>Breather 2- Manual reset</b>					
SVRS 20	Standard	centre port	1	-	-
SVRS 21	Standard	offset port	1	-	-
SVRS 20ADJ	Adjustable	centre port	1	-	-
SVRS 21ADJ	Adjustable	offset port	1	-	-
<b>Breather 3- Electrical Pump Shut-off, Automatic</b>					
SVRS 30	Standard	Centre port	1	-	-
SVRS 30-A	Standard	Centre port with alarm	1	-	-
SVRS 31	Standard	Offset port	1	-	-
SVRS 30ADJ	Adjustable	centre port	1	-	-
SVRS 30ADJ-A	Adjustable	Centre port with alarm	1	-	-
SVRS 31ADJ	Adjustable	Offset port	1	-	-
<b>ACCESSORIES</b>					
VAC 55	Maintenance Kit		1	-	-
VG 15	Vacuum Gauge		1	-	-
FIT 10	Elbow		1	-	-
FIT 20	Swivel Extension		1	-	-



# 15 | SUBMERSIBLE PUMP WITH INTERNAL FLOAT "VERTY NOVA"

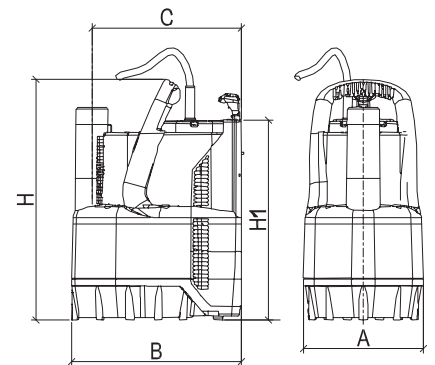
## ✓ Technical features

A vertical delivery, submersible drainage pump with automated or manual operation, designed for installation into any garage or basement that is subject to flooding. The Verty Nova has a minimum suction level of 2/3mm and can be used as a portable device for emptying swimming pools, tanks and excavations containing solid particles of up to 5mm in size.

- Hydro resistant technopolymer pump body, cover and suction grid
- Stainless steel motor and roto shaft including bolts and screws
- Threefold seal with interposed rings with oiled pre-chamber
- Submersible type, continuous duty, asynchronous motor
- Stator enclosed in airtight stainless steel casing, with an outer cover that protects the wiring and the capacitor
- Rotor running on permanently lubricated ball bearings to ensure low noise and durability
- Built-in amperometric thermal protection and permanently connected capacitor
- Level switch with built-in float, provides automatic operation in fixed installations
- Operating range: From 1 to 10m<sup>3</sup>/h with head up to 9m
- Recommended liquid: Dirty water without fibres
- Liquid temperature range: From 0°C to 35°C (Domestic Use)
- Outlet: Vertical 1 1/4" plus hose fitting
- Maximum submersible depth: 7m



## 📏 Dimensions

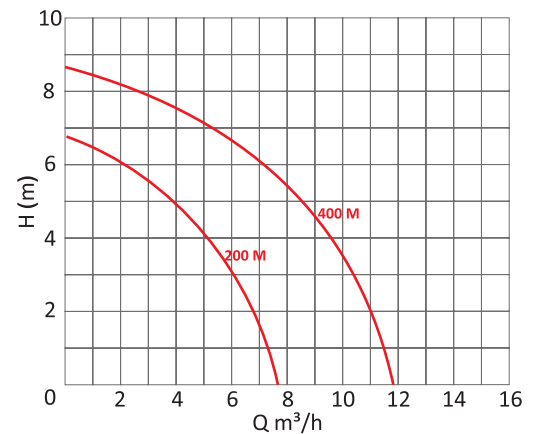


### HYDRAULIC FEATURES:

PUMP MODELS	HEIGHT (m)	1	2	3	4	5	6	7	8	9
VERTY NOVA 200 M	FLOW	6.5	6.1	5.5	5	4	3	-	-	-
VERTY NOVA 400 M	(m <sup>3</sup> /h)	9	8.8	8.1	7.8	7.2	6.8	6	5.2	0

### ELECTRIC FEATURES:

PUMP MODELS	INPUT POWER P1	MOTOR POWER P2		
		kW	kW	HP
50 HZ				
VERTY NOVA 200 M	0.3		0.2	0.28
VERTY NOVA 400 M	0.6		0.4	0.55



## 🔍 Models

PUMP MODEL	CONNECTIONS	INTENSITY A		DIMENSIONS						PACKING	WEIGHT	VOLUME
	mm	II 230	III 230	A	B	C	D	H	H1		kg	m <sup>3</sup>
VERTY NOVA 200 M	2"	1.3	-	158	225	200	33	318	265	1	4.2	0.014
VERTY NOVA 400 M	2"	2.6	-	158	225	200	33	354	301	1	5.1	0.014

# 16 | AQUA COMBO FILTRATION SYSTEM

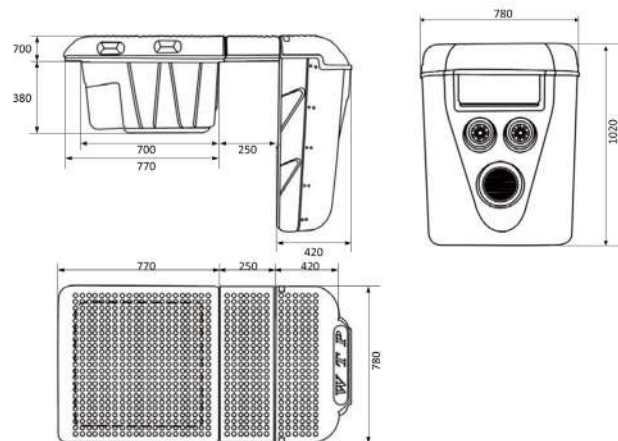
## ✓ Technical features

An all-in-one combo filtration system incorporating a skimmer, 2 filtering drums, 2 jets (for water return) and a circulating pump located in the rear compartment.

- Filtration pump speed: Dual speed 1HP and 2HP (optional)
- Ozone generator: 500mg/h
- No. of swimjets: 2
- No. of filtration bags: 2
- No. of chemical feeding baskets: 2
- Underwater LED lights: 1
- RF waterproof digital controller for manual or automatic control (Optional extra)
- Saltwater pool chlorinator (Optional extra)
- Power consumption: 1.6-kW
- Dimensions: 1450 x 760 x 1030 mm



## 📏 Dimensions



## 🔍 Models

CODE	FILTRATION PUMP	POWER SUPPLY	FLOW	PACKING	WEIGHT	VOLUME
			(m <sup>3</sup> /h) V=50m <sup>3</sup> /h/m <sup>2</sup>		kg	m <sup>3</sup>
AC-26	2HP	220V/50Hz/ 110V/60Hz	25	1	57	1.13





# 17 | AQUA PREASSEMBLED COMPLETE BUNKER ROOM

## ✓ Technical features

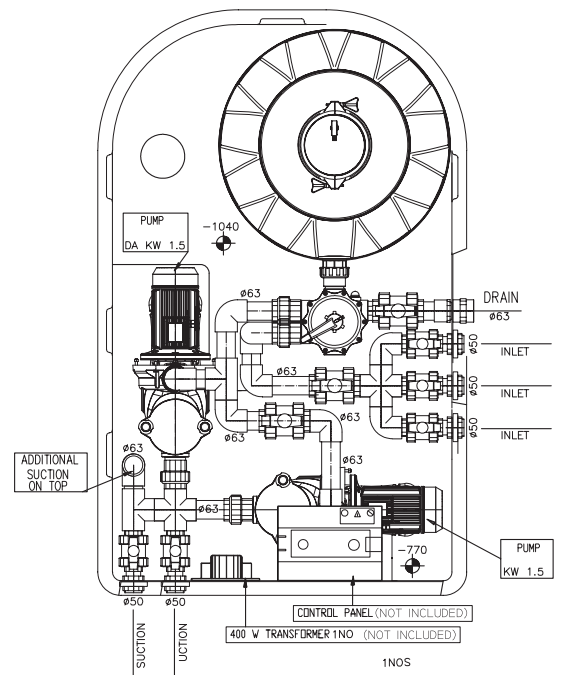
A pre-assembled, reinforced fibreglass underground bunker room complete with sand filter and two self priming circulation pumps. It's unique design and 2-piece hinged lid enables easy access and simple routine maintenance operation for swimming pools up to 30m3/h. Available in 5 packages and includes a built-in drainage system and all valves and fittings for external connections to pipes, Electrical control box and transformer on demand .



## PACKAGE 1

For pools up to 6m3/h and includes:

THE PACKAGE CONSIST OF	QTY
Reinforced fibreglass bunker 120cm x 175cm x 110cm with 2-piece lid (Hinge and gas piston for easy opening)	1
Aquarius sand filter (450mm diameter), with 6-way multiport valve 1.5''	1
EuroPro self priming pump 0.5HP 1-Phase	2
Injection Points	3
Suction Points	3
Built-in drainage system	1
Set of ball valves, check valves, pipes and PVC fittings	1
Backwash / Drain Line	1

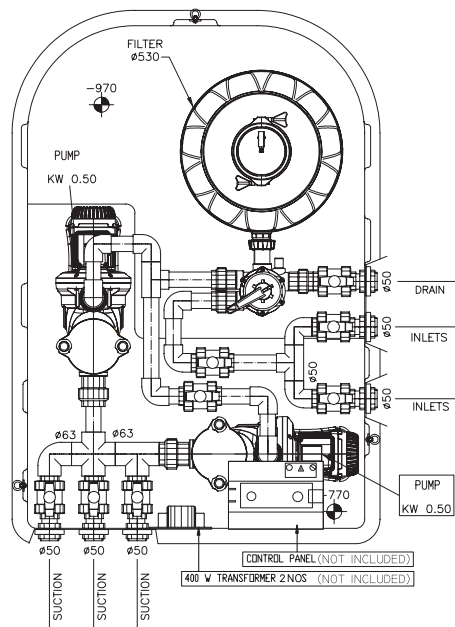


CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
107100529DI	COMPLETE BUNKER ROOM 1 WITH ALL EQUIPMENTS	1	140	2.31

## PACKAGE 2

Pre assembled underground pump room for pools up to 10m<sup>3</sup>/ht

THE PACKAGE CONSIST OF	QTY
Reinforced fibreglass bunker 120cm x 175cm x 110cm with 2-piece lid (Hinge and gas piston for easy opening)	1
Aquarius sand filter (530mm diameter), with 6-way multiport valve 1.5"	1
EuroPro self priming pump 0.75HP 1-Phase	2
Injection Points	3
Suction Points	3
Built-in drainage system	1
Set of ball valves, check valves, pipes and PVC fittings	1
Backwash / Drain Line	1

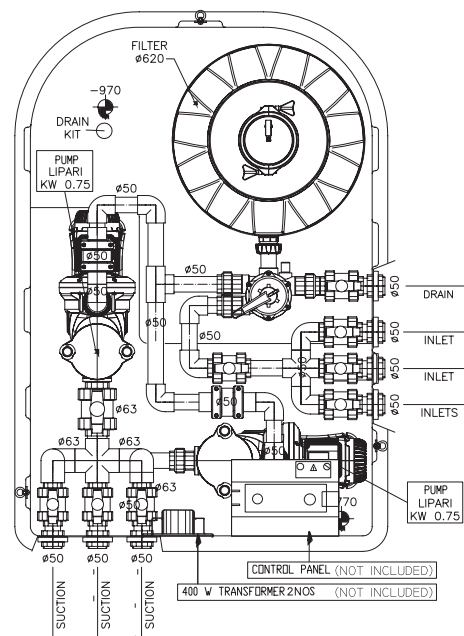


CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
107100530DI	COMPLETE BUNKER ROOM 2 WITH ALL EQUIPMENTS	1	150	2.31

## PACKAGE 3

Pre assembled underground pump room for pools up to 14m<sup>3</sup>/ht

THE PACKAGE CONSIST OF	QTY
Reinforced fibreglass bunker 120cm x 175cm x 110cm with 2-piece lid (Hinge and gas piston for easy opening)	1
Aquarius sand filter (620mm diameter), with 6-way multiport valve 1.5"	1
EuroPro self priming pump 1.0 HP 1-Phase	2
Injection Points	3
Suction Points	3
Built-in drainage system	1
Set of ball valves, check valves, pipes and PVC fittings	1
Backwash / Drain Line	1



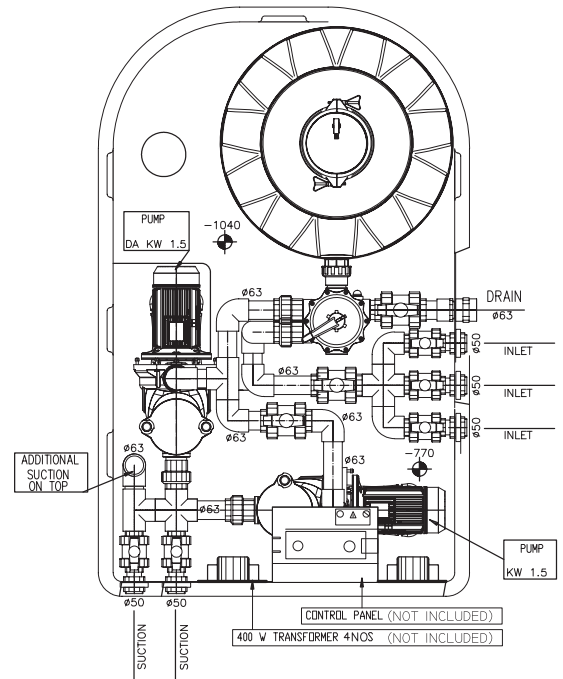
CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
107100560DI	COMPLETE BUNKER ROOM 3 WITH ALL EQUIPMENTS	1	165	2.31



## PACKAGE 4

Pre assembled underground pump room for pools up to 22m<sup>3</sup>/ht

THE PACKAGE CONSIST OF	QTY
Reinforced fibreglass bunker 120cm x 175cm x 110cm with 2-piece lid (Hinge and gas piston for easy opening)	1
Aquarius sand filter (790mm diameter), with 6-way multiport valve 2''	1
EuroPro self priming pump 2.0 HP 1-Phase	2
Injection Points	3
Suction Points	3
Built-in drainage system	1
Set of ball valves, check valves, pipes and PVC fittings	1
Backwash / Drain Line	1

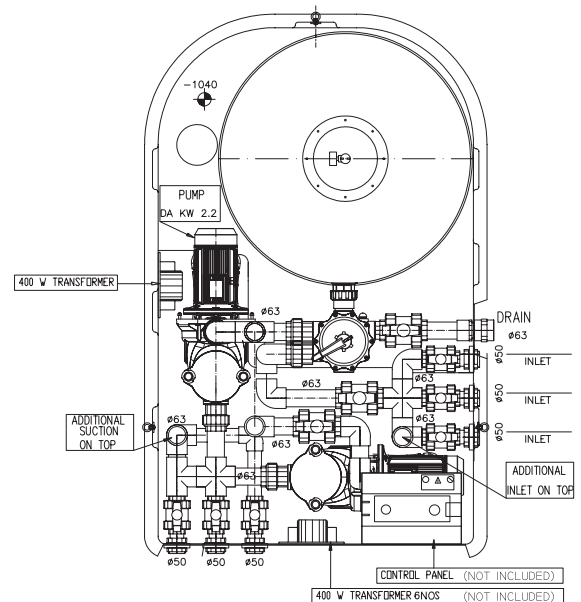


CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
107100527DI	COMPLETE BUNKER ROOM 4 WITH ALL EQUIPMENTS	1	195	2.31

## PACKAGE 5

Pre assembled underground pump room for pools up to 30m<sup>3</sup>/ht

THE PACKAGE CONSIST OF	QTY
Reinforced fibreglass bunker 130cm x 200cm x 120cm with 2-piece lid (Hinge and gas piston for easy opening)	1
Aquarius sand filter (950mm diameter), with 6-way multiport valve 2''	1
EuroPro self priming pump 3.0 HP 1-Phase	2
Injection Points	3
Suction Points	3
Built-in drainage system	1
Set of ball valves, check valves, pipes and PVC fittings	1
Backwash / Drain Line	1



CODE	DESCRIPTION	PACKING	WEIGHT	VOLUME
107100578DI	COMPLETE BUNKER ROOM 5 WITH ALL EQUIPMENTS	1	220	3.12

# 18 | STAINLESS STEEL PREFILTERS

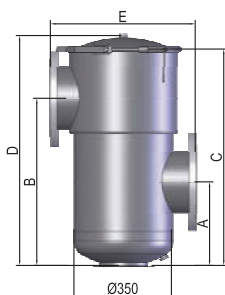
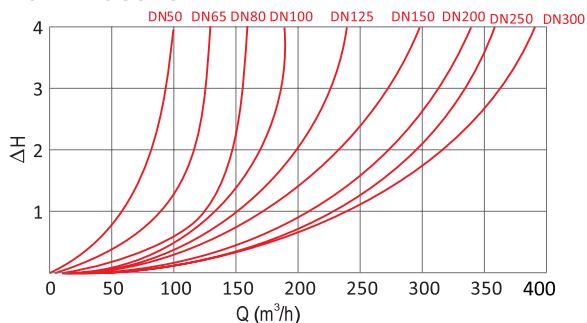
## ✓ Technical features

Stainless steel pre-filters made entirely of grade 304 or 316 stainless steel for resistance against corrosion

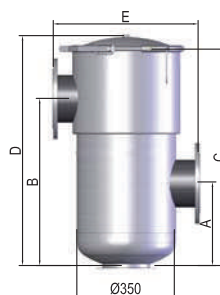
- Stainless steel filter basket with 6mm standard perforations
- Working pressure (AP models): 8 ATE
- Working pressure (Other models): 3 ATE
- Pressure gauge located on top
- Secure lid with simple but reliable closure clamp
- Optional Plexiglas transparent lid for easy inspection of the pre-filter basket (available on request)
- Pre-filter can be electropolished externally and/or internally (available on request)



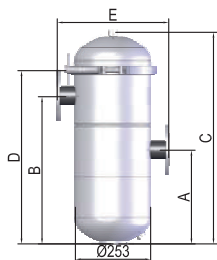
### LOAD LOSSES



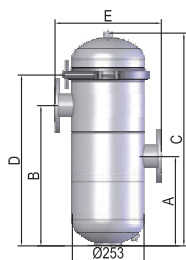
PF-350304/316-DN200 TF / 250



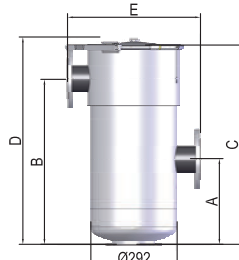
PF-350304/316-DN150 TF



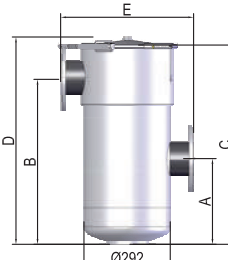
PF-250304/316-DN50 TF



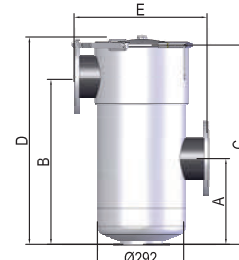
PF-250304/316-DN65 TF



PF-292304/316-DN80 TF



PF-292304/316-DN100 TF



PF-292304/316-DN125 TF

## 🔍 Models

CODE	CONNECTIONS		PRESSURE ATE	OUTER CASING DIMENSIONS					INSIDE BASKET DIMENSIONS			FLOW RATE m³/h	PACKING	WEIGHT kg	VOLUME m³
	INLET/ OUTLET	DRAIN OUTLET		A	B	C	D	E	Ø	h	hole				
PF-250304-DN50 TF	DN 50	1/2"	8	315	495	751	603	375	220	330	6 mm.	80	1	17.5	0.033
PF-250316-DN50 TF	DN 50	1/2"	8	315	495	751	603	375	220	330	6 mm.	80	1	17.5	0.033
PF-250304-DN65 TF	DN 65	1/2"	8	315	495	751	603	375	220	330	6 mm.	100	1	19	0.033
PF-250316-DN65 TF	DN 65	1/2"	8	315	495	751	603	375	220	330	6 mm.	100	1	19	0.033
PF-292304-80 TF	DN 80	1/2"	3	290	565	674	701	450	250	330	6 mm.	130	1	23.5	0.045
PF-292316-80 TF	DN 80	1/2"	3	290	565	674	701	450	250	330	6 mm.	130	1	23.5	0.045
PF-292304-100 TF	DN 100	1/2"	3	290	565	674	701	450	250	330	6 mm.	160	1	24	0.045
PF-292316-100 TF	DN 100	1/2"	3	290	565	674	701	450	250	330	6 mm.	160	1	24	0.045
PF-292304-125 TF	DN 125	1/2"	3	290	565	674	701	450	250	330	6 mm.	180	1	25.5	0.045
PF-292316-125 TF	DN 125	1/2"	3	290	565	674	701	450	250	330	6 mm.	180	1	25.5	0.045
PF-350304-150TF	DN 150	1/2"	3	300	600	777	825	520	320	400	6 mm.	200	1	37.5	0.08
PF-350316-150 TF	DN 150	1/2"	3	300	600	777	825	520	320	400	6 mm.	200	1	37.5	0.08
PF-350304-200 TF	DN 200	1/2"	3	300	600	777	825	520	320	400	6 mm.	220	1	49	0.082
PF-350316-200 TF	DN 200	1/2"	3	300	600	777	825	520	320	400	6 mm.	220	1	49	0.082
PF-350304-250 TF	DN 250	1/2"	3	300	720	927	975	550	320	400	6 mm.	250	1	60.5	0.104
PF-350316-250 TF	DN 250	1/2"	3	300	720	927	975	550	320	400	6 mm.	250	1	60.5	0.104

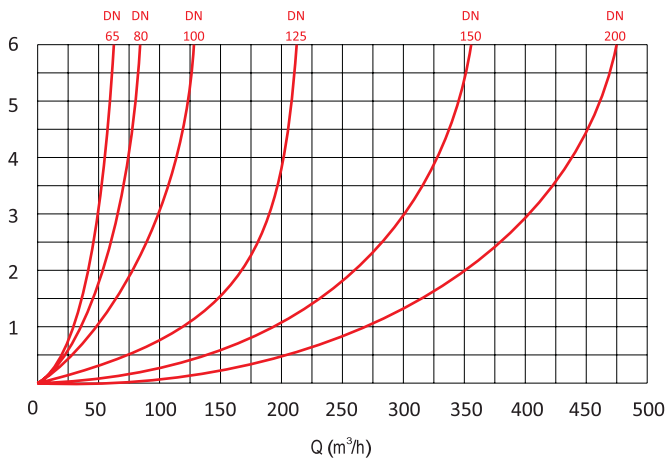


# 19 | CAST IRON PRE FILTER

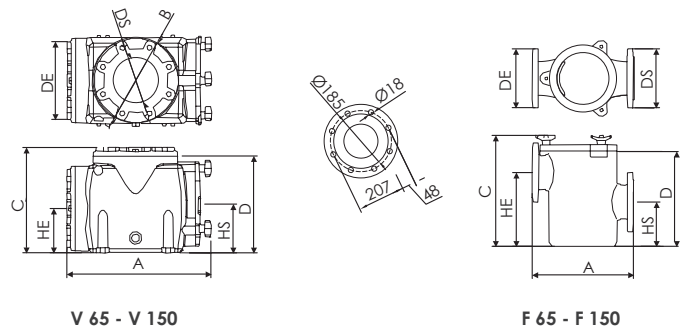
## ✓ Technical features

Cast iron pre-filters which comply with DIN 2501, and connections from DN 65 (2.5'') to DN 200 (8'')

- Cast iron vessel and pre-filter lid
- AISI 316 Stainless steel filter basket
- Inlet and outlet clamps
- 3 and 4 closing handles (depending on model) for easy access and to guaranteed secure seal



## 📏 Dimensions



## 🔍 Models

CODE	FLOW RATE	DIMENSIONS										PACKING	WEIGHT	VOLUME
	m³/h	DN	PT	A	B	C	D	DE	HE	DS	HS		kg	lts
F 65/65	55	65	145	380	260	415	360	185	250	185	120	1	20	18
F 80/80	90	80	160	380	260	415	360	200	250	200	120	1	32	18
F 100/100	130	100	180	380	260	415	360	220	270	220	155	1	36	18
F 125/125	220	125	210	380	260	415	360	250	270	250	155	1	36	18
F 150/150	420	150	240	460	340	555	500	285	380	285	190	1	71	22
F 200/200	750	200	295	460	340	555	500	340	380	340	190	1	72	22
V 65/65	55	65	145	489	285	372	338	185	169	185	155	1	78	18
V 80/80	90	80	160	489	285	372	338	200	169	200	155	1	78.5	18
V 100/100	130	100	180	489	285	372	338	200	169	200	155	1	79	18
V 125/125	220	125	210	489	285	372	338	200	169	200	155	1	80	22
V 150/150	420	150	240	489	285	372	338	200	169	200	285	1	81	22

# 20 | COUNTER CURRENT PUMP "PCC" 2900 R.P.M

## COUNTER CURRENT PUMP

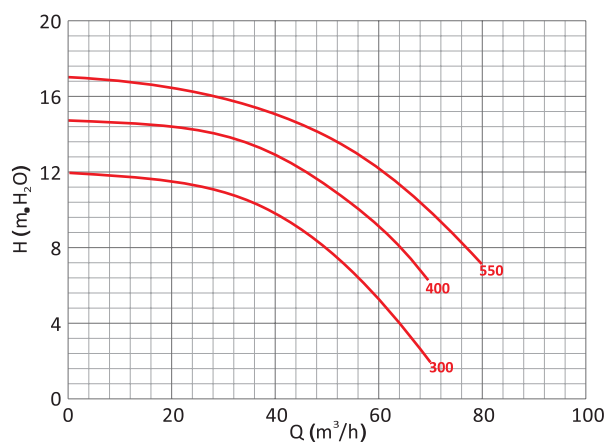
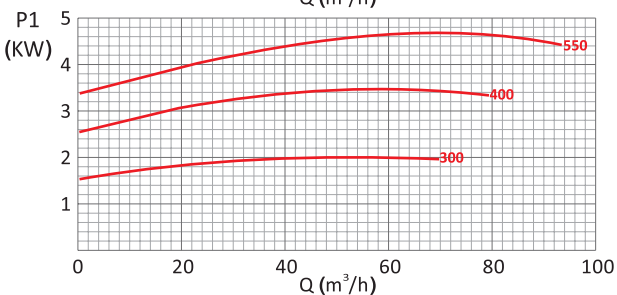
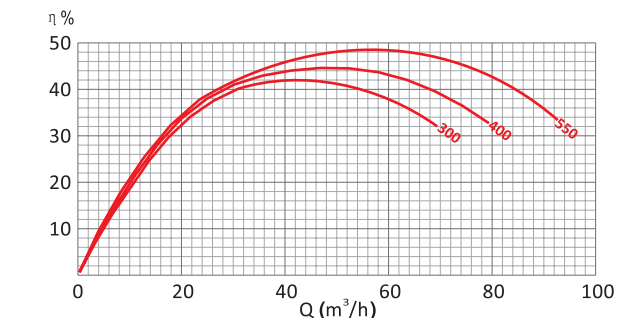
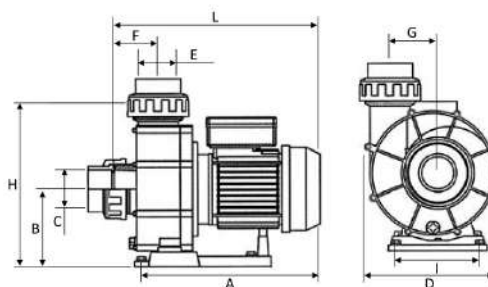
### ✓ Technical features

A high flow, centrifugal counter current pump which provides a constant current/stream of water, suitable for swimming on the spot or underwater massage

- Fibreglass reinforced polypropylene pump body, providing excellent durability and resistance against pool chemicals
- Noryl turbine
- AISI 316 Stainless steel shaft
- Power supply: Single phase 3HP motor or 3-phase 3HP, 4HP or 5.5HP motors
- Working frequency: 50Hz (60Hz available on request. Add '-60' after pump code)
- Protection rating: IP55



### Dimensions



### Models

CODE	FLOW RATE	POWER		DIMENSIONS										PACKING	WEIGHT	VOLUME
	m³/h	kW	HP	A	B	C	D	E	F	G	H	I	L		kg	m³
PCC-300-M	-	2.2	3	370	156	Ø 75	260	Ø 75	77	95	340	168/117	440	1	20.8	0.055
PCC-300-T	-	2.2	3	370	156	Ø 75	260	Ø 75	77	95	340	168/117	440	1	20.8	0.055
PCC-400-T	-	3	4	410	156	Ø 75	260	Ø 75	77	95	340	168/117	470	1	23	0.055
PCC-550-T	-	4	5.5	440	156	Ø 75	260	Ø 75	77	95	340	168/177	470	1	25	0.056

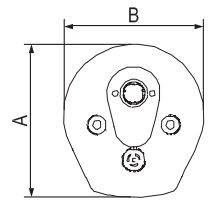
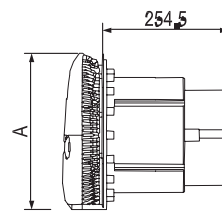
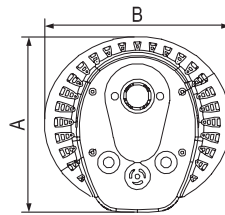
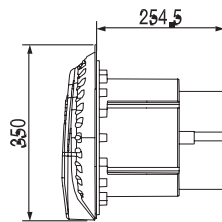


## COUNTER CURRENT NOZZLE

### ✓ Technical features

White ABS and stainless steel counter current nozzles for 'PCC' pumps.

- High protection against UV rays and harsh chemicals generally used in swimming pools
- Built-in pneumatic pushbuttons to operate the relay of the pump's control box
- Includes directional jets, venturi outlet and all connections
- Suitable for both concrete or liner swimming pools



### Q Models

CODE	DESCRIPTION	POOL	DIMENSIONS		PACKING	WEIGHT	VOLUME
			A	B			
CCN-033	ABS	Concrete/Liner	350	370	1	2.5	0.047
CCN-033-SS	Stainless steel	Concrete/Liner	360	335	1	2.5	0.047

## CONTROL PANEL

### ✓ Technical features

A watertight control box for 'PCC' pumps

- Secure housing with pneumatic electro pushbuttons to ensure complete safety when operating the pump from the water
- Includes all the necessary electrical protection



### Q Models

CODE	DESCRIPTION	PHASE	PACKING	WEIGHT	VOLUME
				kg	m <sup>3</sup>
CCP-010-M	For ABS Counter current nozzle	Single	1	1.36	0.01
CCP-010-T	For ABS Counter current nozzle	Three	1	1.36	0.01
CCP-010-M-SS	For SS Counter current nozzle	Single	1	1.36	0.01
CCP-010-T-SS	For SS Counter current nozzle	Three	1	1.36	0.01

# 21 | VARIABLE FREQUENCY DRIVE

## ✓ Technical features

The new frequency variable speed drive E-MOTION is a new control system by frequency modulation to enjoy great comfort and minimize the operating costs. Complies with the new IE2 drive efficiency standard.

### Why choose E-MOTION?

E-MOTION are extremely robust frequency inverters designed for continuous and intensive use. It has very simple software to program, combined with precise adjustments, which make up a technologically advanced, user-friendly system, capable of operating in 100% of the installations.

### Main advantages

- Start-up wizard, very easy to program
- Constant pressure in the installation
- Removes all vibrations and noise in the pipes
- Reduces the energy consumption by up to 80%
- Compatible with all pumps on the market
- Communicates with up to 8 inverters



### Wall mount support kit for E-MOTION 11A:

This optional accessory allows the MT2-11 and the TT3-11 frequency inverters to be mounted on a wall and includes a single fan to cool the drive while in operation.



### Wall mount support kit for E-MOTION 30A:

This optional accessory allows the TT3-30 E-MOTION drive to be mounted on a wall and includes a twin fan system to cool the drive while in operation

MT2-11 & TT3-11

TT3-30

## Q Models

CODE	MOTOR CONSUMPTION A	MOTOR POWER KW	POWER SUPPLY V	PUMP SUPPLY V	INVERTERS COMMUNICATION	DIMENSIONS	WEIGHT	VOLUME m <sup>3</sup>	
MT2-11	11	2.2	1 X 230 (1 ~)	3 X 230 (3 ~)	Up to 8 inverters	230 x 183 x 149	3	0.006	
TT3-11	11	4	3 X 400 (3 ~)	3 X 400 (3 ~)		230 x 183 x 149	4	0.007	
TT3-30	30	15	3 X 400 (3 ~)	3 X 400 (3 ~)		316 x 276 x 198	5	0.008	
E-MOTION 11A	WALL MOUNTED SUPPORT FOR INVERTERS AND WALL SUPPORT UP TO 11A							0.5	0.003
E-MOTION 30A	WALL MOUNTED SUPPORT FOR INVERTERS AND WALL SUPPORT UP TO 30A							0.75	0.004

	DESCRIPTION	MT2-11	TT3-11	TT3-30
Power Supply	Voltage (V) (+10/-20%)	1 X 230 (1 ~)	3 X 400 (3 ~)	3 X 400 (3 ~)
	Frequency (Hz)	50-60		
	MAX CONSUMPTION (A)	20	12	31
Inverter Output	VOLTAGE (V) (+10/-10%)	3 X 230 (3 ~)	3 X 400 (3 ~)	3 X 230 (3 ~)
	PHASES	3		
	MAXIMUM FREQUENCY (HZ)	60		
	Motor power supply (KVA)	3	5.5	20
	MECHANICAL POWER (P2)	3 HP / 2,2 KW	5,5 HP / 4 KW	20 HP / 15 KW
Packing	WEIGHT (KG)	3.5		5
	DIMENSIONS (MM)	330 X 230 X 170		330 X 295 X 210
Installation	PROTECTION RATING (IP)	IP55		
	TYPE OF ACTION	2B		
	OPERATION	S1		
	GROUNDING SYSTEM DISTRIBUTION	IT, TN-C, TN-S, TT		
	MAXIMUM AMBIENT TEMPERATURE	+40°C		
	AMBIENT HUMIDITY	5% - 95%		
	MAXIMUM ALTITUDE (MTS)	2000		
	MINIMUM SECTION FOR WIRE SUPPLY (MM <sup>2</sup> )	2.5	6	
	MAXIMUM WORKING PRESSURE (BAR)	40		