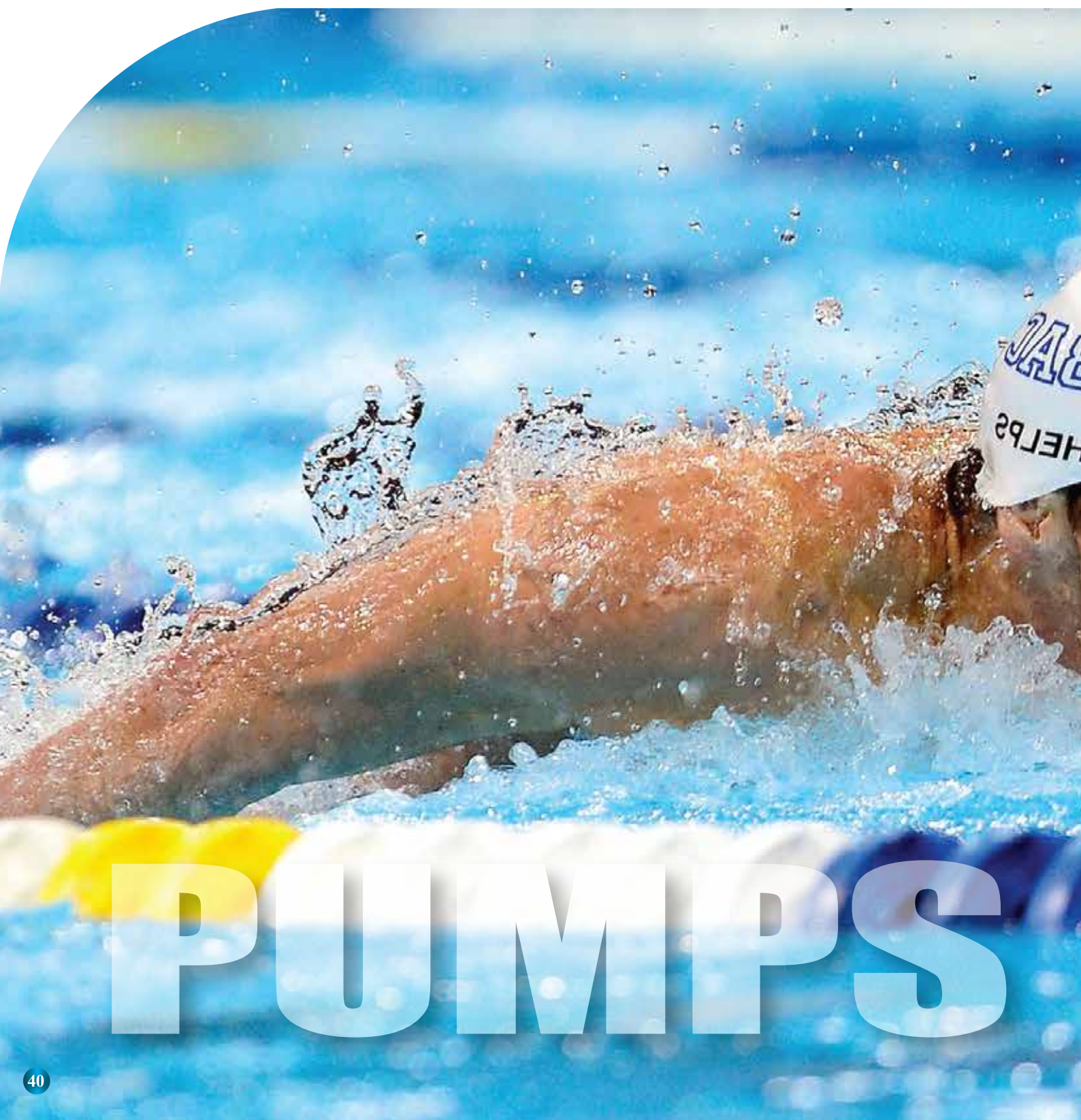




PUMPS



Self Priming Pumps

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Variable Speed Pumps

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Commercial cast Iron Pump

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Prefilters

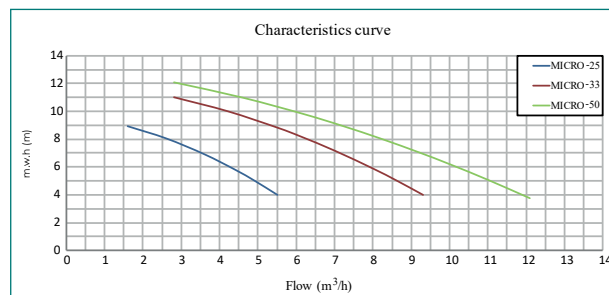
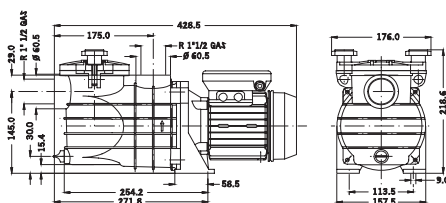
66

MICRO - SELF PRIMING CENTRIFUGAL PUMP

Specially designed for water transfer through small filters (silex or cartridge) for smaller above and in-ground pools.

MATERIALS

Pump body	Polypropylene 30% Fiberglass
Filter basket	Polypropylene
Shaft	Stainless Steel AISI 420
Mechanical seal	Carbon + Resin - Ceramics
Impeller and diffuser	Noryl + 30% Fiberglass
Motor	3000 r.p.m
Insulation class	F
Waterproof	IP55



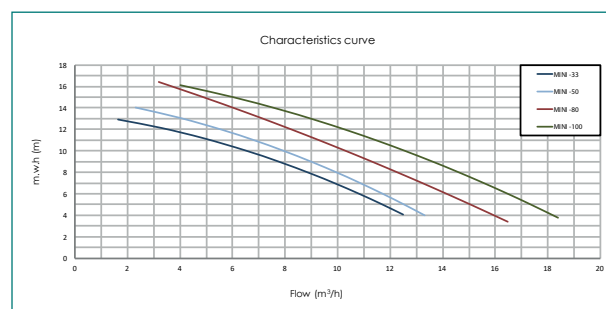
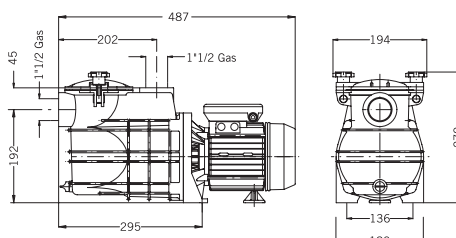
Code	Type				Power			Connections			Head (m) - Flow rate m³/h								Volume (m³)	Weight (Kg)
		kW	HP	PF	Phase	Voltage	Amps	Suction	Delivery	4	5	6	7	8	9	10	11	12		
		Flow rate m³/h																		
00211025	Micro-25	0.19	0.25	10	1	230	1.8	11/2"	11/2"	6.2	5.7	5.1	4.3	2.9	1.7	-	-	-	0.023	6.4
00211033	Micro-33	0.25	0.33	10	1	230	2.2	11/2"	11/2"	8.6	7.8	7.1	6.4	5.5	4.4	3.1	1.3	-	0.023	7.4
00211050	Micro-50	0.37	0.50	12.5	1	230	2.8	11/2"	11/2"	11.1	10.0	9.3	8.3	7.5	6.4	5.1	3.4	1.3	0.023	8.0

MINI - SELF-PRIMING CENTRIFUGAL PUMP 4 M.

The Mini pump is a centrifugal pump with prefilter, designed to be used with small or mid-range pool's water treatment system. Suitable for constant use with sea water. Its self priming features makes the best choice for pool water's filters and automatic vacuum cleaners.

MATERIALS

Pump body	Polypropylene 30% Fiberglass
Filter basket	Polypropylene
Shaft	Stainless Steel AISI 420
Mechanical seal	Carbon + Resin - Ceramics
Impeller and diffuser	Noryl + 30% Fiberglass
Motor	3000 r.p.m.
Insulation class	F
Waterproof	IP55



Code	Type	Power			Connections			Head (m) - Flow rate m³/h										Volume (m³)	Weight (Kg)
		kW	HP	PF	Phase	Voltage	Ampere	Suction	Delivery	4	6	8	10	12	14	16	18		
00221033	Mini-33	0.25	0.33	12.5	1	230	3.2	11/2"	11/2"	12.5	10.8	9.0	6.5	3.3	-	-	-	0.029	9.0
00221050	Mini-50	0.37	0.50	14	1	230	3.7	11/2"	11/2"	13.3	11.7	10.0	7.9	5.6	2.3	-	-	0.029	9.5
00221080	Mini-80	0.60	0.80	20	1	230	4.8	11/2"	11/2"	17.0	15.0	13.2	11.7	9.3	6.0	0.8	0.029	10.9	10.9
00221083	Mini-80	0.60	0.80	20	3	230/400	2.6/1.5	11/2"	11/2"	17.0	15.0	13.2	11.7	9.3	6.0	0.8	0.029	10.9	10.9
00221010	Mini-100	0.75	1.00	20	1	230	5.3	11/2"	11/2"	19.0	18.0	16.4	13.9	11.0	7.3	1.0	0.029	11.5	11.5
00221013	Mini-100	0.75	1.00	20	3	230/400	3.2/1.8	11/2"	11/2"	19.0	18.0	16.4	13.9	11.0	7.3	1.0	0.029	11.5	11.5



CYCLONE SERIES PUMPS

Proteam Europa self priming CYCLONE series pumps meet all requirements for pool pumping systems. Appropriate for medium and large pools as well as water games, spas counter current swimming sets. The big capacity of its strainer basket provides an efficient leaf trapping. Its easy handled transparent lid provides good visibility of the basket and simplifies the pump maintenance. Manufactured with materials highly resistant to corrosion and high quality mechanical seals, CYCLONE pumps are suitable for sea water use.

MATERIALS

Pump body	Polypropylene 30% Fiberglass
Filter basket	Polypropylene
Shaft	Stainless Steel AISI 420
Mechanical seal	Carbon + Resin - Ceramics
Impeller and diffuser	Noryl + 30% Fiberglass
Motor	3000 r.p.m.
Insulation class	F
Waterproof	IP55

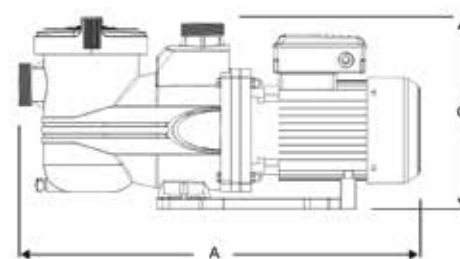
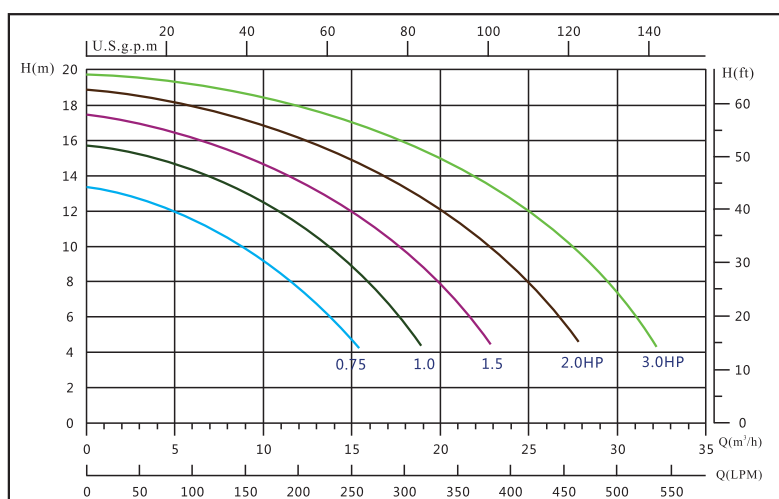


FEATURES

- Lower Noise, 0.75 HP can lower than 65 DB
- Liquid Temperature 5 - 50°C
- Ambient Temperature Up to 45°C
- Maximum working pressure 2.5 Bar
- Thermal Protection includes

Code	Power			Connections			Head (m)								Length A (mm)	Width B (mm)	Height C (mm)	Volume (m ³)	Weight (Kg)
	kW	HP	Phase	Voltage	Suction	Delivery	6	8	10	12	14	16	18	Flow rate m ³ /h					
00262415	0.6	0.75	1	230	1 1/2"	1 1/2"	13	11	9	5					595	200	295	57	15
00262153	0.75	1	1	230	1 1/2"	1 1/2"	18	16	14	11	7				595	200	295	57	15
00262420	1.1	1.5	1	230	1 1/2"	1 1/2"	22	20	17	15	12				605	200	295	57	15
00262230	1.5	2	1	230	2"	2"	27	25	23	20	17	7			605	200	295	57	18
00262430	2.2	3	1	230	2"	2"	32	30	28	25	23	13			605	200	295	57	18
00262330	0.75	1	3	380	1 1/2"	1 1/2"	18	16	14	11	7	18	6		595	200	295	57	15
00262530	1.1	1.5	3	380	1 1/2"	1 1/2"	22	20	17	15	12	7	12		605	200	295	57	15
00262630	1.5	2	3	380	2"	2"	27	25	23	20	17	13	6		605	200	295	57	18
00262730	2.2	3	3	380	2"	2"	32	30	28	25	23	18	12		605	200	295	57	18

PERFORMANCE CURVE



ZUMARO SERIES PUMPS

Proteam Europa self priming ZUMARO series pumps meet all requirements for pool pumping systems. Appropriate for medium and large pools as well as water games, spas counter current swimming sets. The big capacity of its strainer basket provides an efficient leaf trapping. Its easy handled transparent lid provides good visibility of the basket and simplifies the pump maintenance. Manufactured with materials highly resistant to corrosion and high quality mechanical seals, ZUMARO pumps are suitable for sea water use.

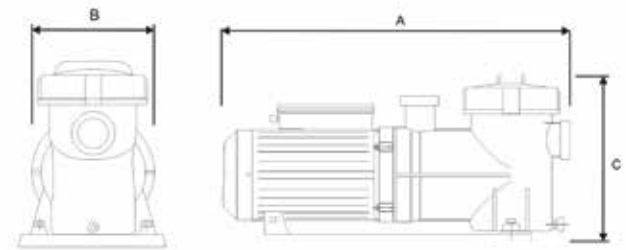
MATERIALS

Pump body	Polypropylene 30% Fiberglass
Filter basket	Polypropylene
Shaft	Stainless Steel AISI 420
Mechanical seal	Carbon + Resin - Ceramics
Impeller and diffuser	Noryl + 30% Fiberglass
Motor	3000 r.p.m.
Insulation class	F
Waterproof	IP55



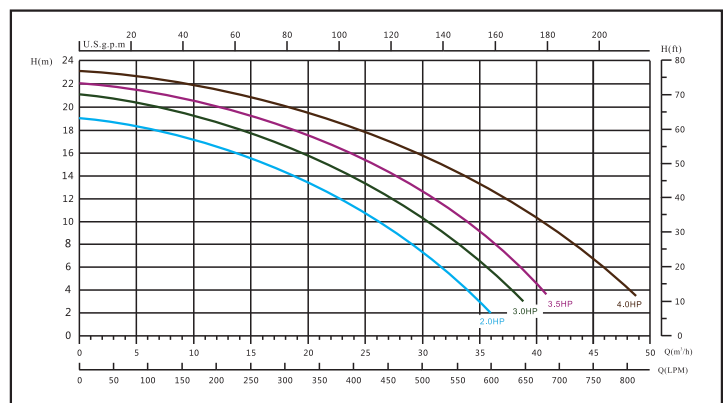
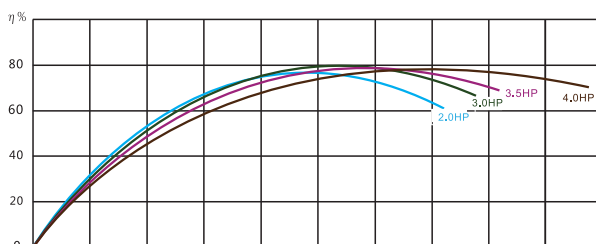
FEATURES

- Liquid Temperature 5 - 50 degC
- Ambient Temperature up to 45 DegC
- Maximum working pressure 2.5 Bar
- Thermal Protection include



Code	Power			Connections						Head (m)						Length A (mm)	Width B (mm)	Height C (mm)	Volume (m ³)	Weight (Kg)
	kW	HP	Phase	Voltage	Suction mm	Delivery mm	4	6	8	10	12	14	16	18						
															Flow rate m3/h					
00252200	1.5	2	1	230	63	63	34	32	29	26	23	19	14	7	671	261	361	59	17	
00252300	2.2	3	1	230	63	63	38	36	34	31	27	24	19	14	671	261	361	59	17	
00252400	1.5	2	3	380	63	63	34	32	29	26	23	19	14	7	671	261	361	59	17	
00252500	2.2	3	3	380	63	63	38	36	34	31	27	24	19	14	673	262	362	59	17	
00252600	2.6	3.5	3	380	63	63	41	39	36	34	31	28	24	19	673	262	362	59	20	
00252700	3	4	3	380	63	63	49	47	44	41	37	34	30	25	673	262	362	59	20	

PERFORMANCE CURVE





CASCA SERIES PUMP

Proteam Europa CASCA series pumps meet all requirements for pool pumping systems. Appropriate for medium and large pools as well as water games, spas counter current swimming sets. The big capacity of its strainer basket provides an efficient leaf trapping. Its easy handled transparent lid provides good visibility of the basket and simplifies the pump maintenance. Manufactured with materials highly resistant to corrosion and high quality mechanical seals, CASCA pumps are suitable for sea water use.

MATERIALS

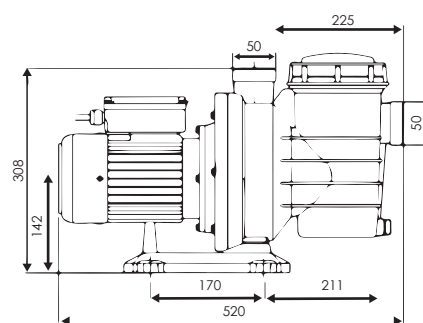
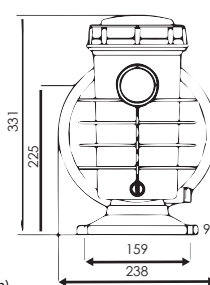
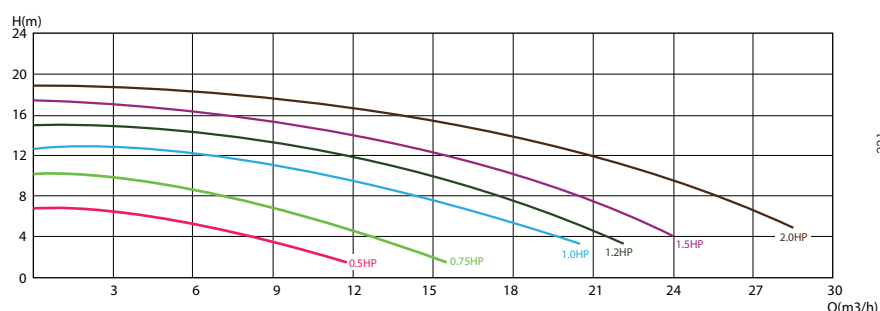
Pump body	Polypropylene 30% Fiberglass
Filter basket	Polypropylene
Shaft	Stainless Steel AISI 420
Mechanical seal	Carbon + Resin - Ceramics
Impeller and diffuser	Noryl + 30% Fiberglass
Motor	3000 r.p.m.
Insulation class	F
Waterproof	IP55

FEATURES

- Thermal protector single phase
- Max suction 2.5m
- Liquid temperature 5-50°C
- Ambient temperature up to 50°C
- Single phase 230V/50Hz
- 230V/50Hz, 380V/50Hz are available on request



Code	Power						Head (m)				Amps	Length A (mm)	Width B (mm)	Height C (mm)	Volume (m³)	Weight (Kg)
	kW	HP	Phase	Voltage V	Suction mm	Delivery mm	4	8	12	16						
							Flow rate m³/h									
00252110	0.37	0.5	1	230	50	50	8				1.9	520	238	331	49	13
00252112	0.55	0.75	1	230	50	50	13	7			2.7	520	238	331	49	13
00252113	0.75	1	1	230	50	50	20	15	7		3.8	520	238	331	49	13
00252114	0.9	1.2	1	230	50	50	22	18	12		4.6	520	238	331	49	13
00252115	1.1	1.5	1	230	50	50	24	20	16	8	5.8	520	238	331	49	15
00252116	1.5	2	1	230	50	50		26	21	14	7	520	238	331	49	15

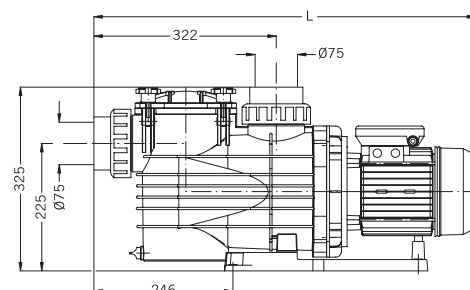
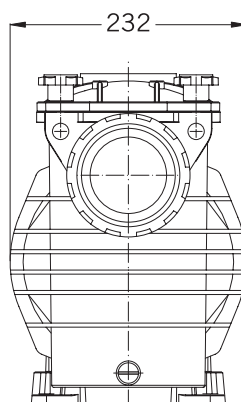


MAXI - SELF-PRIMING CENTRIFUGAL PUMP 2 M.

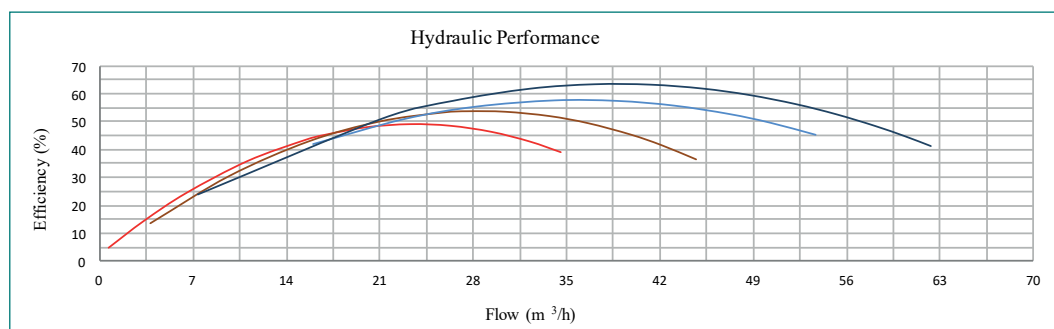
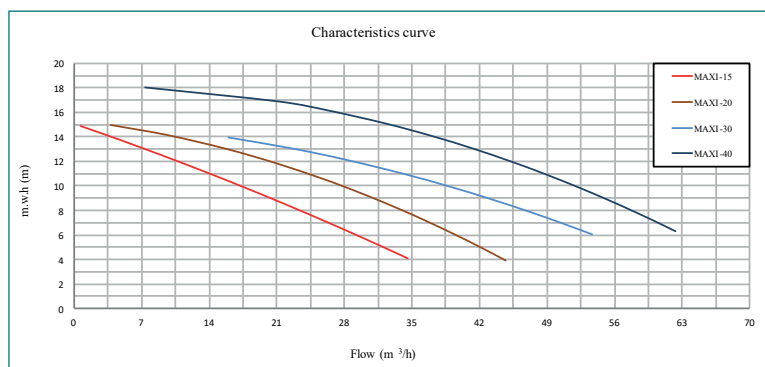
Proteam Europa MAXI series pumps meet all requirements for pool pumping systems. Appropriate for medium and large pools as well as water games, spas counter current swimming sets. The big capacity of its strainer basket provides an efficient leaf trapping. Its easy handled transparent lid provides good visibility of the basket and simplifies the pump maintenance. Manufactured with materials highly resistant to corrosion and high quality mechanical seals, Maxi pumps are suitable for sea water use.

MATERIALS

Pump body	Polypropylene 30% Fiberglass
Filter basket	Polypropylene
Shaft	Stainless Steel AISI 316
Mechanical Seal	Carbon + Resin - Ceramics
Impeller and diffuser	Noryl + 30% Fiberglass
Motor	3000 r.p.m
Insulation class	F
Waterproof	IP55



Code	Type	Power					Connections				Head (m)								Volume (m ³)	Weight (Kg)
		kW	HP	µF	Phase	Voltage	Amp	Suction	Delivery	4	6	8	10	12	14	16	18			
		Flow rate m ³ /h																		
00282615	Maxi2-15	1.12	1.5	31.5	1	230	8.0	21/2"	21/2"	35.3	29.1	22.3	15.9	8.5	-	-	-	0.058	16.0	
00282153	Maxi2-15	1.12	1.5	-	3	230/400	5.6/3.2	21/2"	21/2"	35.3	29.1	22.3	15.9	8.5	-	-	-	0.058	16.0	
00282620	Maxi2-20	1.50	2	35.0	1	230	9.8	21/2"	21/2"	44.1	37.8	32.0	24.5	18.8	7.2	-	-	0.058	16.5	
00282230	Maxi2-20	1.50	2	-	3	230/400	6.5/3.7	21/2"	21/2"	44.1	37.8	32.0	24.5	18.8	7.2	-	-	0.058	16.5	
00282630	Maxi2-30	2.24	3	-	3	230/400	8.6/5.0	21/2"	21/2"	-	51.9	44.5	38.1	28.8	13.9	-	-	0.058	20.5	
00282640	Maxi2-40	2.99	4	-	3	230/400	11.2/6.0	21/2"	21/2"	-	62.3	57.9	51.7	45.0	37.0	27.7	11.5	0.058	22.5	



TYPHOON SERIES VARIABLE SPEED PUMP

Proteam Europa typhoon series variable speed pump is a valuable product, with the feature of energy saving, efficient, intelligent and fast and suitable for swimming pool, hot spring and water feature. It provides users with the best solution for energy saving, avoids the unnecessary consumption of energy and increase the operating efficiency to maximize the users operating cost.



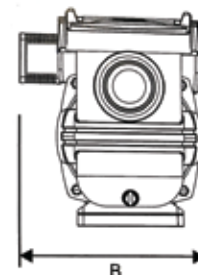
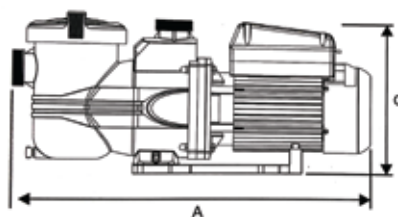
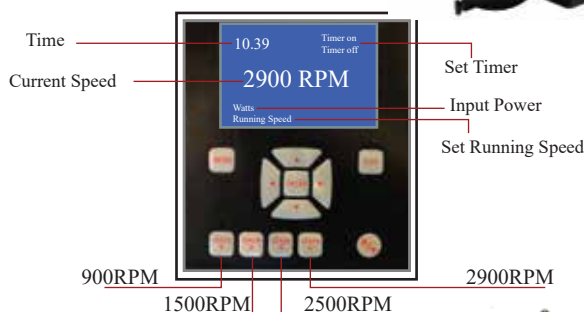
MATERIALS

Pump body	Polypropylene 30% Fiberglass
Filter basket	Polypropylene
Shaft	Stainless Steel AISI 316
Mechanical Seal	Carbon + Resin - Ceramics
Impeller and diffuser	Noryl + 30% Fiberglass
Motor	2900 r.p.m
Insulation class	F
Waterproof	IP55



FEATURES

- Over pressure protection.
- Excellent performance and reliable quality.
- Liquid temperature 5-50°C
- Ambient Temperature up to 45°C
- Maximum working pressure 2.5 bar
- Standard water proof protection
- Protection against electric shock.
- Thermal protection included.
- Single phase 230V/50Hz
- 230V/60Hz, is available on request.



ENERGY SAVING

Traditional pump operates at set, unchangeable speeds. Those speeds are almost always higher than required. As a result, they overpower the jobs they're assigned to do, which wastes energy. Typhoon series pump with built-in intelligent technology, can achieve variable speed operation, reducing up to 80% of the energy consumption.

HIGH EFFICIENCY

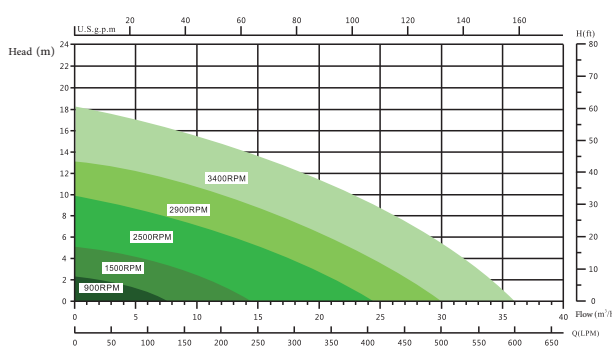
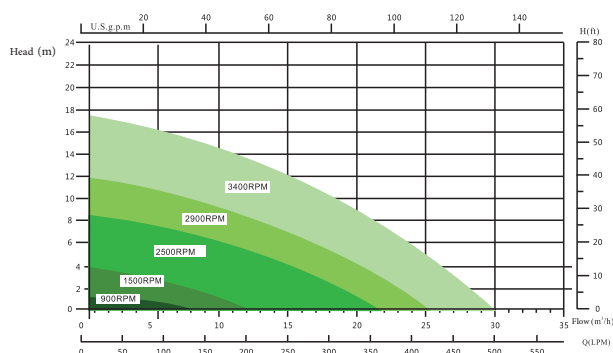
Typhoon series variable speed pump combines efficient motor with excellent internal geometric structure of the pump, making it a powerful, quite and reliable multi-purpose pump.

APPLICATION

Typhoon series variable pump uses infinitely adjustable - speed intelligent frequency conversion technology. It is suitable for all types and size, pool and spa combination and ideal for water features such as waterfalls and fountains. Fully programmable with up to four preset speed and timer functions.



Code	Power			RPM				Amps	Length A (mm)	Width B (mm)	Height C (mm)	Volume (m³)	Weight (Kg)
	kW	HP	Phase	Voltage	Suction	Delivery	Flow rate m³/h						
00262820	1.5	2	1	230	63	63	7 12 21 25	6.5	630	195	290	58	20
00262930	2.2	3	1	230	63	63	7 14 24 30	8.6	630	195	290	58	20



AF SERIES - SELF-PRIMING CENTRIFUGAL PUMP 6 M.

The AF is a swimming pool pump with a strong resistance to wear thanks to the high quality of its materials. Manufactured fully in bronze on request for a use with sea water. Its open type impeller and self priming features (up to 6 meters) add to its design really helpful characteristics.

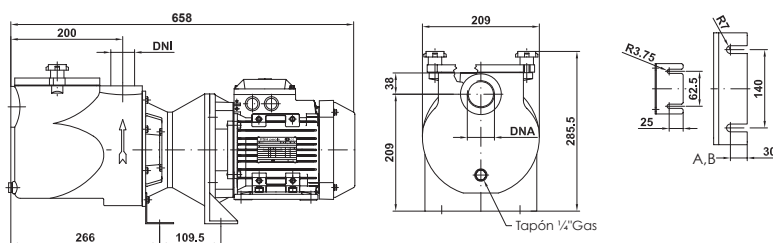
MATERIALS

Pump body and diffuser	Cast iron (Bronze on request)
Filter basket	Polypropylene
Shaft	Stainless Steel AISI 304
Mechanical seal	Carbon + Resin - Ceramics
Impeller and diffuser	Opened in brass
Motor	3000 r.p.m.
Insulator class	F
Waterproof	IP55

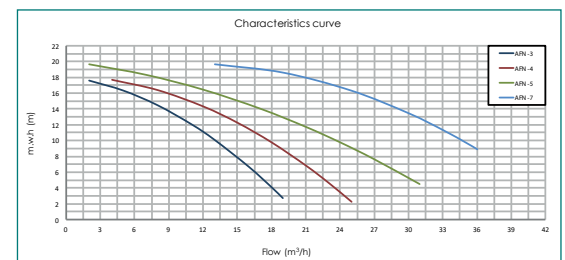
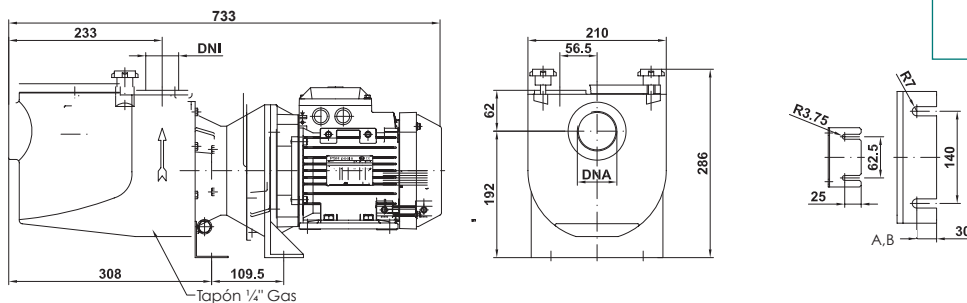


AF Series

AFN 3/4



AFN 5/7



Code	Dimensions (mm)								
	A	B	C	D	E	G	H1	H2	L
00292710	200	266	66	144	209	256	180	36	492
00292715	200	266	66	144	209	256	180	36	517

Code	Dimensions (mm)								
	A	B	C	D	E	G	H1	H2	L
00410484	233	308	66	144	210	256	162	62	555
00410488	233	308	84	144	236	275	180	62	597

Code	Type				Power		Connections			Head (m)										Volume (m ³)	Weight (Kg)
		kW	HP	LF	Phase	Voltage	Ampere	Suction	Delivery	2	4	8	10	12	14	16	18	20			
		Flow rate m3/h																			
00292710	AF-3	0.75	1.0	20.0	1	230	6.5	11/2"	11/2"	19.9	17.5	15.5	13.1	10.7	8.0	5.0	1.8	-	0.067	26.5	
00292130	AF-3	0.75	1.0	-	3	230/400	3.4/2.0	11/2"	11/2"	19.9	17.5	15.5	13.1	10.7	8.0	5.0	1.8	-	0.067	26.5	
00292715	AF-4	1.12	1.5	31.5	1	230	8.7	11/2"	11/2"	25.0	23.0	20.7	18.0	14.8	11.6	8.0	4.0	-	0.067	30.5	
00292153	AF-4	1.12	1.5	-	3	230/400	4.8/2.8	11/2"	11/2"	25.0	23.0	20.7	18.0	14.8	11.6	8.0	4.0	-	0.067	30.5	
00292720	AF-5	1.50	2.0	35.0	1	230	10.5	2"	2"	34.0	30.5	26.5	24.0	20.5	16.5	12.0	7.0	1.5	0.067	35.8	
00292230	AF-5	1.50	2.0	-	3	230/400	6.0/3.5	2"	2"	41.0	30.5	26.5	24.0	20.5	16.5	12.0	7.0	1.5	0.067	35.8	
00292730	AF-7	2.24	3.0	-	3	230/400	8.6/5.0	2"	2"	49.0	46.0	36.0	35.0	33.0	30.0	25.0	19.0	13.0	0.067	40.5	

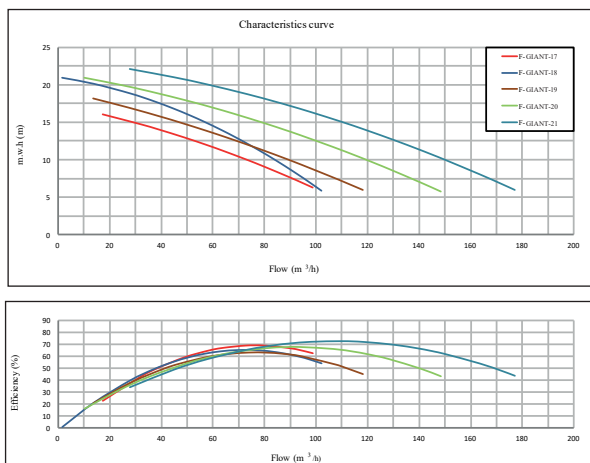
GIANT CENTRIFUGAL PUMP

GIANT is a centrifugal swimming pool pump, designed to offer high performance in water filtration of public swimming-pools. This pump is fitted with a high capacity pre-fitter with easy handled stainless steel basket. On demand manufactured with special mechanical seal for a use with sea water.

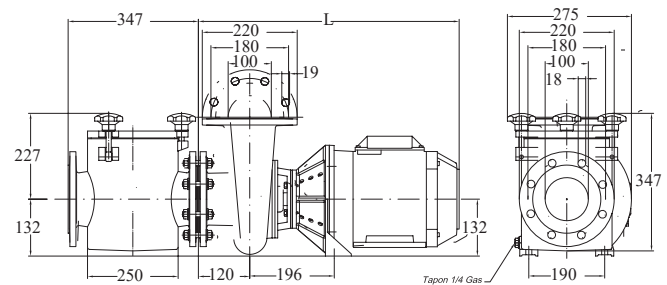


MATERIALS

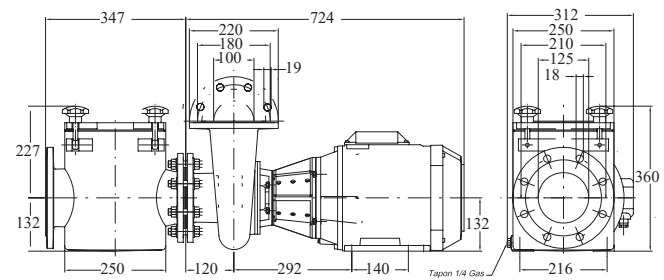
Pump body	Polypropylene 30% Fiberglass
Filter basket	Stainless Steel AISI 304
Shaft	Stainless Steel AISI 416
Mechanical Seal	Carbon + Resin - Ceramics
Impeller and diffuser	Polypropylene + 30% Fiberglass
Motor	2850 r.p.m
Waterproof	IP55



F-GIANT 17/18



F-GIANT 20/21/22



Code	Type	Connections										Head (m)								Volume (m³)	Weight (kg)
		kW	HP	Phase	Voltage	Ampere	Suction	Delivery	6	8	10	12	14	16	18	20	22	23			
							DNA	DNI											Flow rate m³/h		
00113017	N - 17	2.99	4.0	3	230/400	11.1/6.4	100	100	114.8	99.1	76.5	64.4	47.2	18.6	-	-	-	-	0.154	28.9	
00113174	N - 17	2.99	4.0	3	400/700	6.4	100	100	114.8	99.1	76.5	64.4	47.2	18.6	-	-	-	-	0.154	28.9	
00113118	N - 18	4.10	5.5	3	230/400	11.6/6.7	100	100	102.7	93.4	81.4	69.7	55.0	39.2	-	-	-	-	0.154	37.4	
00113185	N - 18	4.10	5.5	3	400/700	6.7	100	100	102.7	93.4	81.4	69.7	55.0	39.2	-	-	-	-	0.154	37.4	
00113119	N - 19	4.10	5.5	3	230/400	14.2/8.2	125	100	145.6	120.1	113.7	82.3	59.0	-	-	-	-	-	0.154	50.7	
00113195	N - 19	4.10	5.5	3	400/700	8.2	125	100	145.6	120.1	113.7	82.3	59.0	-	-	-	-	-	0.154	50.7	
00113120	N - 20	5.60	7.5	3	230/400	18.0/10.4	125	100	159.3	155.7	145.1	110.9	88.7	60.2	13.6	-	-	-	0.154	59.0	
00113127	N - 20	5.60	7.5	3	400/700	10.4	125	100	159.3	155.7	145.1	110.9	88.7	60.2	13.6	-	-	-	0.154	59.0	
00113121	N - 21	7.46	10.0	3	230/400	22.1/12.8	125	100	179.0	166.4	158.6	137.0	116.3	98.8	79.0	49.8	-	-	0.154	64.5	
00113125	N - 21	7.46	10.0	3	400/700	12.8	125	100	179.0	166.4	158.6	137.0	116.3	98.8	79.0	49.8	-	-	0.154	64.5	
00113221	N - 22	9.32	12.5	3	230/400	26.1/15.1	125	100	158.6	150.3	142.8	133.0	114.4	106.6	81.8	59.4	36.1	10.4	0.154	73.5	
00113225	N - 22	9.32	12.5	3	400/700	15.1	125	100	158.6	150.3	142.8	133.0	114.4	106.6	81.8	59.4	36.1	10.4	0.154	73.5	

Dimensions (mm)

Type	Da	Ka	la	Di	Ki	Li	N ^o tal	A	B	C	D	E	F	G	H	L	Lf
N-17	220	180	18	220	180	19	8	120	196	-	190	275	250	347	132	584	347
N-18	220	180	18	220	180	19	8	120	196	-	190	275	250	347	132	606	347
N-19	250	210	18	220	180	19	8	120	196	-	190	275	250	347	132	606	347
N-20	250	210	18	220	180	19	8	120	292	140	216	312	250	360	132	724	347
N-21	250	210	18	220	180	19	8	120	292	140	216	312	250	360	132	724	347
N-22	250	210	18	220	180	19	8	120	292	140	216	312	250	360	132	724	347

MIDY-CENTRIFUGAL CAST IRON PUMPS

Proteam Europa MIDY series centrifugal swimming pump, designed to offer high performances in water filtration of public swimming pools. MIDY pump is fitted with a big capacity cast iron pre-filter with an easy access stainless steel basket. Manufactured fully in bronze on request for use with sea water.

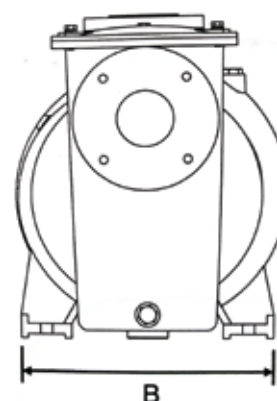
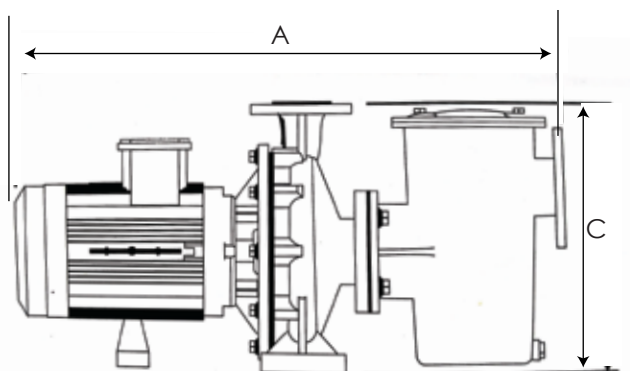


MATERIAL

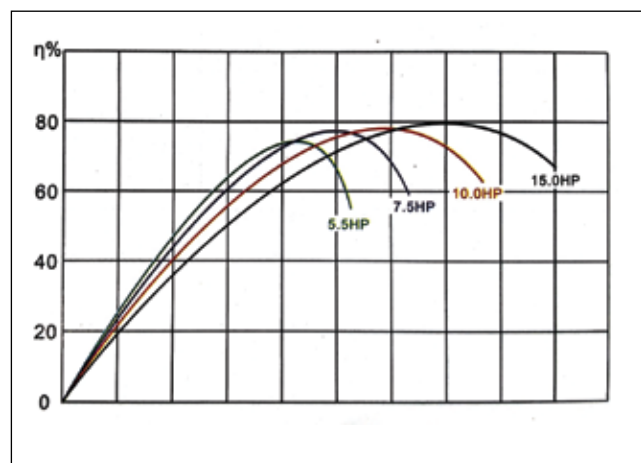
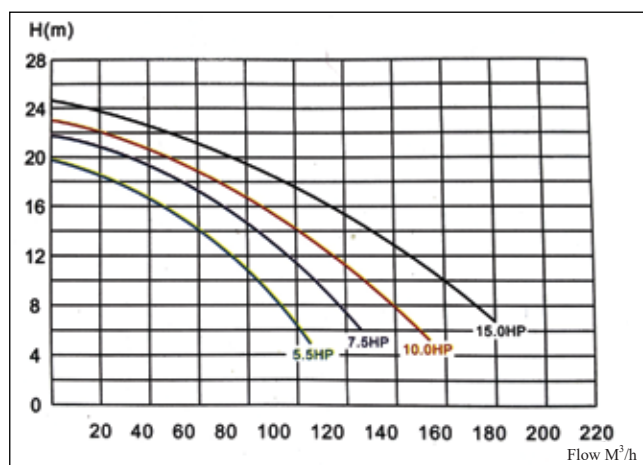
Pump body	Cast Iron. Bronze on demand.
Filter basket	Stainless Steel AISI 304
Shaft	Stainless Steel AISI 316
Mechanical Seal	Carbon + Resin - Ceramics
Impeller	Bronze on request
Motor	3000 r.p.m
Waterproof	IP55



Code	HP	KW	Phase	Voltage (V)	Suction	Delivery	A (MM)	B (MM)	C (MM)
00282550	5.5	4	3	380	80	65	820	350	410
00282750	7.5	5.5	3	380	80	65	850	370	420
00282100	10	7.5	3	380	100	80	950	370	420
00282150	15	11	3	380	100	80	950	370	420



PERFORMANCE CURVE



ROMA SERIES STAINLESS STEEL PUMP

Proteam Europa ROMA series centrifugal swimming pump, designed to offer high performances in water filtration of public swimming pools. ROMA pump is fitted with a big capacity cast iron pre-filter with an easy access stainless steel basket. Manufactured fully in bronze on request for use with sea water.

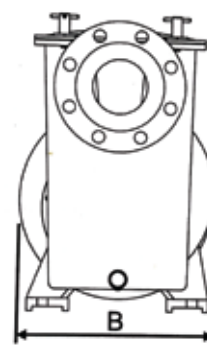


MATERIAL

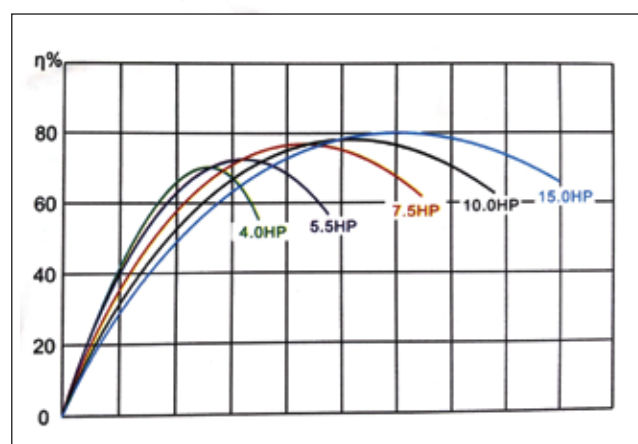
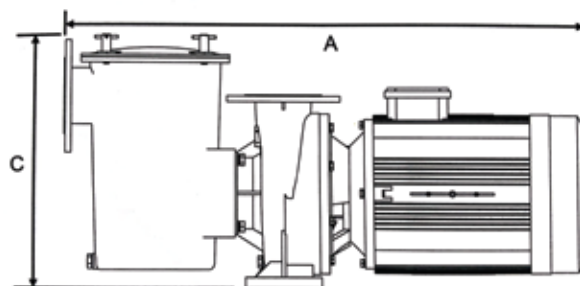
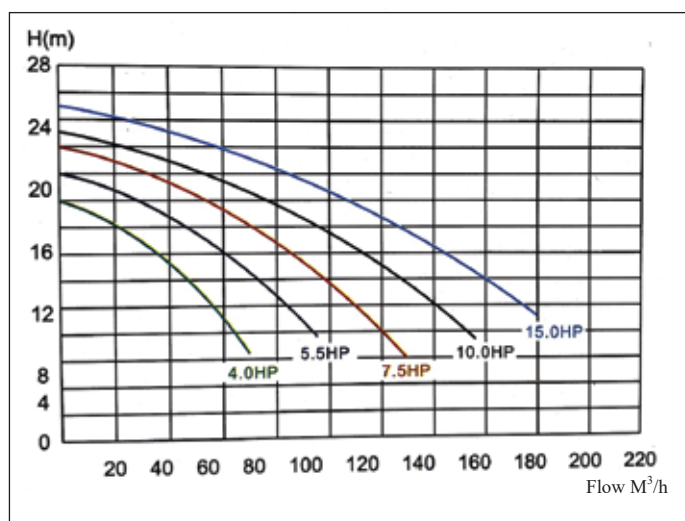
Pump body	Cast Iron. Bronze on demand.
Filter basket	Stainless Steel AISI 304
Shaft	Stainless Steel AISI 316
Mechanica Seal	Carbon + Resin - Ceramics
Impeller	Bronze on request
Motor	3000 r.p.m
Waterproof	IP55



Code	HP	KW	Phase	Voltage (V)	Suction	Delivery	A (MM)	B (MM)	C (MM)
00272400	4	3	3	380	90	90	730	280	420
00272550	5.5	4	3	380	90	90	730	280	420
00272750	7.5	5.5	3	380	90	90	730	280	420
00272100	10	7.5	3	380	90	90	730	280	420
00272150	15	11	3	380	90	90	730	280	420



PERFORMANCE CURVE

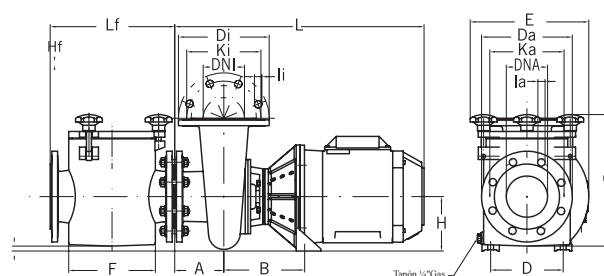
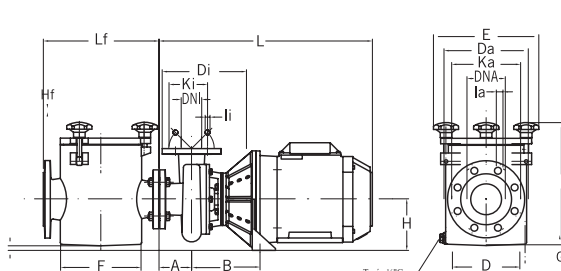
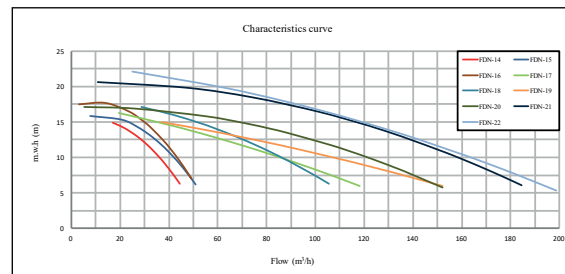


FDN SERIES CAST IRON PUMPS

The FDN is a centrifugal swimming pump, designed to offer high performances in water filtration of public swimming pools. FDN pump is fitted with a big capacity cast iron pre-filter with an easy access stainless steel basket. Manufactured fully in bronze on request for use with sea water.

NEW OPTION FDN BLACK SERIES

Pump body	Cast Iron- Bronze on demand.
Filter basket	Stainless Steel AISI 304
Shaft	Stainless Steel AISI 316
Mechanical Seal	Carbon + Resin - Ceramics
Impeller	Bronze (FD-17/18/19/20/21/22) or brass (FD-14/15/16)
Motor	3000 r.p.m
Waterproof	IP55



Type	Dimensions (mm)																	
	Da	Ka	la	N ^o tal	Di	Ki	Li	N ^o tal	A	B	C	D	E	F	G	H	L	Lf
N-14	200	160	18	8	152	125	14	4	82	172	-	140	271	210	319	132	491	300
N-15	200	160	18	8	152	125	14	4	82	172	-	140	271	210	319	132	491	300
N-16	200	160	18	8	152	125	14	4	82	182	-	190	271	210	319	132	533	300
N-17	200	180	18	8	220	180	19	8	120	196	-	190	288	210	320	132	584	300
N-18	200	180	18	8	220	180	19	8	120	196	-	190	288	210	320	132	606	300
N-19	200	180	18	8	220	180	19	8	120	196	-	190	275	250	347	132	606	347
N-20	200	210	18	8	220	180	19	8	120	292	140	216	312	250	360	132	724	347
N-21	200	210	18	8	220	180	19	8	120	292	140	216	312	250	360	132	724	347
N-22	200	210	18	8	220	180	19	8	120	292	140	216	312	250	360	132	724	347

Code	Type	kW	HP	µF	Power			Connections		Head (m)										Volume (m³)	Weight (kg)
					Phase	Voltage	Ampere	Suction DNA	Delivery DNI	6	8	10	12	14	16	18	20	22	23		
00131614	N-14	1.50	2	-	3	230/400	6.9/4.0	80	55	39.7	34.6	30.4	22.9	18.1	2.7	-	-	-	-	0.112	53.5
00131615	N-15	2.24	3	-	3	230/400	8.8/5.1	80	55	46.7	41.8	38.2	32.7	24.6	6.9	-	-	-	-	0.112	55.5
00131616	N-16	2.99	4	-	3	230/400	11.4/6.6	80	55	53.0	50.8	45.4	42.4	36.6	27.2	7.6	-	-	-	0.112	60.4
00131663	N-16	2.99	4	-	3	400/700	6.6	80	55	53.0	50.8	45.4	42.4	36.6	27.2	7.6	-	-	-	0.112	60.4
00131617	N-17	2.99	4	-	3	230/400	10.7/6.2	100	100	114.8	99.1	76.5	64.4	47.2	18.6	-	-	-	-	0.154	68.9
00131673	N-17	2.99	4	-	3	400/700	6.2	100	100	114.8	99.1	76.5	64.4	47.2	18.6	-	-	-	-	0.154	68.9
00131618	N-18	4.10	5.5	-	3	230/400	11.6/6.7	100	100	102.7	93.4	81.4	69.7	55.9	39.2	-	-	-	-	0.154	77.7
00131683	N-18	4.10	5.5	-	3	400/700	6.7	100	100	102.7	93.4	81.4	69.7	55.9	39.2	-	-	-	-	0.154	77.7
00131619	N-19	4.10	5.5	-	3	230/400	14.2/8.2	125	100	145.6	120.1	113.7	82.3	70.0	42.4	-	-	-	-	0.154	90.7
00131693	N-19	4.10	5.5	-	3	400/700	8.2	125	100	145.6	120.1	113.7	82.3	70.0	42.4	-	-	-	-	0.154	90.7
00131620	N-20	5.60	7.5	-	3	230/400	8.0/10.4	125	100	159.3	155.7	145.1	110.9	88.7	60.2	13.6	-	-	-	0.154	99.0
00131603	N-20	5.60	7.5	-	3	400/700	10.4	125	100	159.3	155.7	145.1	110.9	88.7	60.2	13.6	-	-	-	0.154	99.0
00131621	N-21	7.46	10	-	3	230/400	22.1/12.8	125	100	179.0	166.4	158.6	137.0	116.3	98.8	79.0	49.8	-	-	0.154	104.5
00131613	N-21	7.46	10	-	3	400/700	12.8	125	100	179.0	166.4	158.6	137.0	116.3	98.8	79.0	49.8	-	-	0.154	104.5
00131623	N-22	9.32	12.5	-	3	230/400	26.1/15.1	125	100	158.6	150.3	142.8	133.0	114.4	106.6	81.8	59.4	36.1	10.4	0.154	113.5
00131622	N-22	9.32	12.5	-	3	400/700	15.1	125	100	158.6	150.3	142.8	133.0	114.4	106.6	81.8	59.4	36.1	10.4	0.154	113.5

PUMPS Centrifugal Cast Iron Pumps

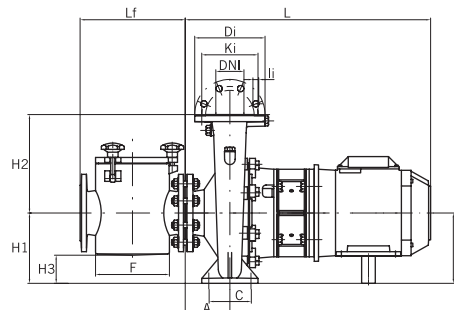
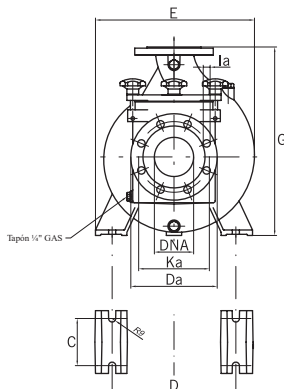
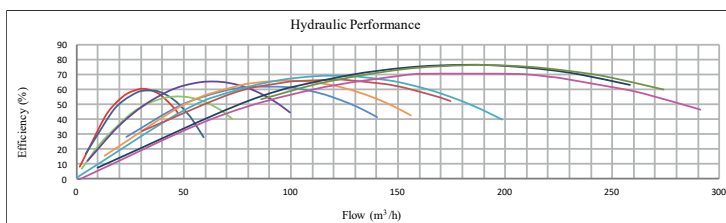
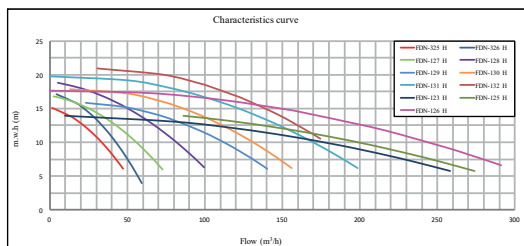


FDN SERIES CAST IRON PUMPS

The FDN-H - series is a centrifugal pump with an easy accessed strainer of big capacity, designed for public pools, competition pools and spas. Its design makes it particularly silent and is the perfect choice for use in big public swimming pools. Manufactured fully in bronze on request for use with sea water.

MATERIALS

Pump body	Cast Iron - Bronze on demand.
Filter basket	Stainless Steel AISI 304
Shaft	Stainless Steel AISI 316
Mechanical seal	Carbon + Resin - Ceramics
Motor	1450 r.p.m.
Impeller	GG25 Cast Iron, Bronze on demand
Waterproof	IP55



Code	Dimensions (mm)																			
	Da	Ka	la	Nºtal	Di	Ki	Li	Nºtal	A	C	D	E	F	G	H	H1	H2	H3	L	Lf
00151325/251	220	180	19	8	165	125	19	4	100	95	250	335	210	405	180	180	225	60	470	298
00151326/263	220	180	19	8	165	125	19	4	100	95	250	335	210	405	180	180	225	60	601	298
00151274/271	220	180	19	8	200	160	19	4	125	120	315	405	210	480	200	200	280	80	641	298
00151281/285	220	180	19	8	200	160	19	4	125	120	315	405	210	480	200	200	280	80	641	298
00151297/329	250	210	19	8	220	180	19	8	140	120	315	430	250	505	225	225	280	93	801	345
00151301/310	250	210	19	8	220	180	19	8	140	120	315	430	250	505	225	225	280	93	801	345
00151312/323	285	240	23	8	250	210	19	8	140	120	315	485	328	605	250	441	163	10	801	445
00151241/244	285	240	23	8	250	210	19	8	140	120	315	485	328	605	250	441	163	10	801	445
00151251/252	285	240	23	8	250	210	19	8	140	120	315	485	328	605	250	441	163	10	801	445
00151261/265	285	240	23	8	250	210	19	8	140	120	315	485	328	605	250	441	163	10	921	445
00151231/311	285	240	23	8	220	180	19	8	140	120	315	430	328	505	225	416	88	-15	801	445
00151321/315	285	240	23	8	220	180	19	8	140	120	315	430	328	505	225	416	88	-15	921	445

Code	Type	Power				Connections				Head (m)										Volume (m³)	Weight (kg)
		kW	HP	Phase	Voltage	Ampere	Suction DNA	Delivery DNI	6	8	10	12	14	16	18	20	21				
																		Flow rate m³/h			
00151325	325H	1.50	2.0	3	230/400	6.5/3.8	100	50	44.5	39.0	32.3	24.5	15.1	-	-	-	-	0.133	84.2		
00151251	325H	1.50	2.0	3	400/700	3.8	100	50	44.5	39.0	32.3	24.5	15.1	-	-	-	-	0.133	84.2		
00151326	326H	2.24	3.0	3	230/400	8.1/4.7	100	50	51.2	45.1	39.7	34.3	26.2	15.8	-	-	-	0.133	89.2		
00153263	326H	2.24	3.0	3	400/700	4.7	100	50	51.2	45.1	39.7	34.3	26.2	15.8	-	-	-	0.133	89.2		
00151274	127.1H	2.99	4.0	3	230/400	11.4/6.6	100	80	83.9	75.4	61.7	48.6	33.9	12.7	-	-	-	0.386	103.7		
00151271	127.1H	2.99	4.0	3	400/700	6.6	100	80	83.9	75.4	61.7	48.6	33.9	12.7	-	-	-	0.386	103.7		
00151281	128.1H	4.10	5.5	3	230/400	13.3/7.7	100	80	97.4	86.9	77.9	66.8	55.3	37.1	18.6	-	-	0.386	111.2		
00151285	128.1H	4.10	5.5	3	400/700	7.7	100	80	97.4	86.9	77.9	66.8	55.3	37.1	18.6	-	-	0.386	111.2		
00151297	129.1H	5.60	7.5	3	230/400	20.2/11.7	125	100	121.6	106.6	96.1	81.4	65.1	36.4	4.8	-	-	0.386	143.4		
00151329	129.1H	5.60	7.5	3	400/700	11.7	125	100	121.6	106.6	96.1	81.4	65.1	36.4	4.8	-	-	0.386	143.4		
00151301	130.1H	7.46	10.0	3	230/400	25.4/14.7	125	100	130.1	123.9	115.2	106.4	93.9	79.5	55.0	15.5	-	0.386	153.9		
00151310	130.1H	7.46	10.0	3	400/700	14.7	125	100	130.1	123.9	115.2	106.4	93.9	79.5	55.0	15.5	-	0.386	153.9		
00151312	123H	7.46	10.0	3	230/400	24.9/14.4	150	125	227.7	200.1	165.0	111.5	9.1	-	-	-	-	0.386	220.9		
00151323	123H	7.46	10.0	3	400/700	14.4	150	125	227.7	200.1	165.0	111.5	9.1	-	-	-	-	0.386	220.9		
00151241	124H	9.32	12.5	3	230/400	25.6/14.8	150	125	227.9	201.2	165.4	117.1	18.8	-	-	-	-	0.386	219.4		
00151244	124H	9.32	12.5	3	400/700	14.8	150	125	227.9	201.2	165.4	117.1	18.8	-	-	-	-	0.386	219.4		
00131251	125H	9.32	12.5	3	230/400	28.2/16.3	150	125	241.6	216.1	182.9	139.8	80.1	-	-	-	-	0.386	228.1		
00151252	125H	9.32	12.5	3	400/700	16.3	150	125	241.6	216.1	182.9	139.8	80.1	-	-	-	-	0.386	228.1		
00151261	126H	11.19	15.0	3	230/400	36.6/21.2	150	125	-	-	239.6	211.3	179.6	111.7	0.1	-	-	0.386	261.1		
00151265	126H	11.19	15.0	3	400/700	21.2	150	125	-	-	239.6	211.3	179.6	111.7	0.1	-	-	0.386	261.1		
00151231	131H	9.32	12.5	3	230/400	30.9/17.9	150	100	-	-	148.1	132.8	120.6	101.8	79.7	2.5	-	0.386	213.4		
00151311	131H	9.32	12.5	3	400/700	17.9	150	100	-	-	148.1	132.8	120.6	101.8	79.7	2.5	-	0.386	213.4		
00151321	132H	11.19	15.0	3	230/400	39.6/22.9	150	100	-	-	169.0	156.4	144.7	129.3	111.1	78.8	26.9	0.386	243.8		
00131315	132H	11.19	15.0	3	400/700	22.9	150	100	-	-	169.0	156.4	144.7	129.3	111.1	78.8	26.9	0.386	243.8		

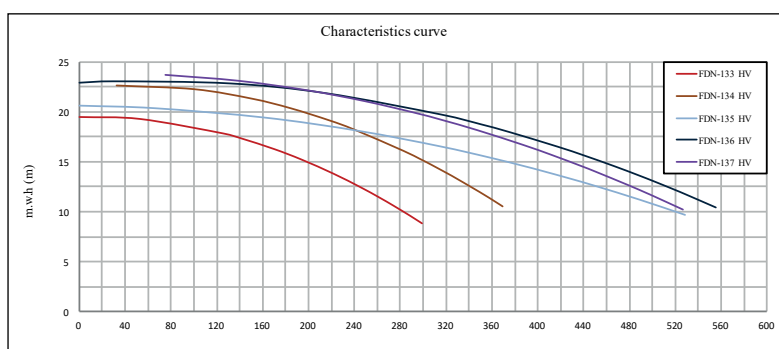
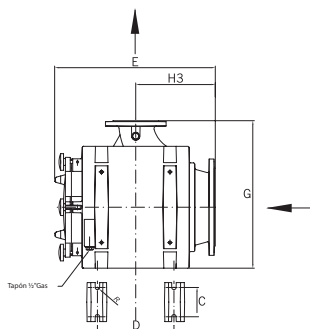
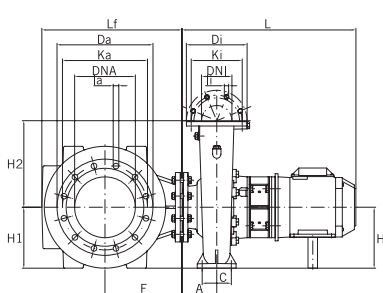


FDN HV SERIES CAST IRON PUMPS

The adaptable strainer of the FDN-HV pump allows the option of a vertical assembly with reduced space requirement in big pools installations, water parks etc. Its special design converts the FDN-HV into the most silent pump of the market. Manufactured fully in bronze on request for use with sea water.

MATERIALS

Pump body and diffuser	Cast iron - Bronze on request
Filter basket	Stainless Steel AISI 304
Shaft	Stainless Steel AISI 304
Mechanical Seal	Carban + Resin - Ceramics
Impeller	GG25 cast iron. Bronze on demand
Motor	1450 r.p.m.
Waterproof	IP55



Code	Dimensions (mm)																		
	Da	Ka	la	N°tal	Di	Ki	Li	N°tal	A	C	D	E	G	H	H1	H2	H3	L	Lf
FDN00133	395	350	23	12	250	210	19	8	140	120	315	665	605	250	250	355	328	963	570
FDN00134	395	350	23	12	250	210	19	8	140	120	315	665	605	250	250	355	328	921	570
FDN00135	445	400	23	12	280	240	23	8	160	150	400	665	655	280	280	375	328	-	570
FDN00136	445	400	23	12	280	240	23	8	160	150	400	665	655	280	280	375	328	1071	570
FDN00137	445	400	23	12	280	240	23	8	160	150	400	665	655	280	280	375	328	1142	570

Code	Type	Power					Connections				Head (m)								Volume (m³)	Weight (kg)
		kW	HP	Phase	Voltage	Ampere	Suction DNA	Delivery DNI	10	12	14	16	18	20	22	23	24			
																			Flow rate m³/h	
FDN00133	133 HV	15	20.0	3	230/400	44.6/25.8	250	125	330.4	306.0	266.4	220.7	162.4	-	-	-	-	0.718	318.5	
FDN00233	133HV	15	20.0	3	400/700	25.8	250	125	330.4	306.0	266.4	220.7	162.4	-	-	-	-	0.718	318.5	
FDN00134	134HV	19	25.0	3	230/400	60.8/35.2	250	125	375.4	346.7	327.2	296.7	244.1	183.5	98.6	-	-	0.718	334.5	
FDN00234	134HV	19	25.0	3	400/700	35.2	250	125	375.4	346.7	327.2	296.7	244.1	183.5	98.6	-	-	0.718	334.5	
FDN00135	135HV	22	30.0	3	230/400	74.3/43.0	300	125	513.4	453.6	403.7	362.1	250.1	69.0	-	-	-	0.718	361.0	
FDN00235	135HV	22	30.0	3	400/700	43.0	300	125	513.4	453.6	403.7	362.1	250.1	69.0	-	-	-	0.718	361.0	
FDN00136	136HV	30	40.0	3	230/400	96.4/55.8	300	125	580.0	557.3	518.7	475.3	410.2	352.6	146.2	33.2	-	0.718	387.0	
FDN00236	136HV	30	40.0	3	400/700	55.8	300	125	580.0	557.3	518.7	475.3	410.2	352.6	146.2	33.2	-	0.718	387.0	
FDN00137	137HV	37	50.0	3	230/400	110.5/64.0	300	125	550.0	530.0	480.0	445.0	380.0	325.0	222.0	168.0	84.0	0.718	429.0	
FDN00237	137HV	37	50.0	3	400/700	64.0	300	125	550.0	530.0	480.0	445.0	380.0	325.0	222.0	168.0	84.0	0.718	429.0	



PREMIER - SS SUBMERSIBLE PUMPS, CLEAN WATER

APPLICATION

Especially designed for emptying of swimming pools and draining rainwater in basement and cellars.

CHARACTERISTICS

Motor casing and exterior housing of the pump in stainless steel AISI 304, turbine, diffuser and suction grille in Noryl - Motor spindle in stainless steel AISI 303. Mechanical seal in silica carbide and oil bath and retainer seal. Pump body, motor casing, impeller and suction grille in stainless steel AISI 304 - Motor spindle in AISI 303. Mechanical seal in silica carbide in oil bath and retainer seal.

MOTOR

Single-phase motor with built-in thermal protector. Motor in oil bath. Max temperature of Pumped liquid 50° C.

Ø Solids PREMIER 35-65 = 3mm.

Ø Solids PREMIER 80 = 10 mm.



Code	CL 250S	CL 500S	CL 750S	CL 1000S
Capacity	0.25hp	0.5hp	0.75hp	1.0hp
Vol& Fre	230v/50Hz	230v/50Hz	230v/50Hz	230v/50Hz
Max. pump height	6.5m	7.5m	8.5m	9.5m
Max .pump rate	7500 L/h	8500l/h	11000l/h	13000l/h
Max submersible depth	5m	7m	7m	5m
Max grain size	5mm	5mm	5mm	5mm
Max pressure	0.65bar	0.75bar	0.85bar	0.9bar
Dia of connecting pipe	1"G1"1'-1/4"G1-1/4"	1"G1"1'-1/4"G1-1/4"	1"G1"1'-1/4"G1-1/4"	1"G1"1'-1/4"G1-1/4"
Cable specification	HO5RN- F3G0.75mm2	HO5RN- F3G1.0mm2	HO5RN- F3G1.0mm2	HO5RN- F3G1.0mm2
Length of cable	10m	10m	10m	10m
Lowest pump starting level	35mm	35mm	35mm	35mm
Lowest pump sucking level	11mm	11mm	11mm	11mm
Max.medium temperature	35°C	35°C	35°C	35°C



PLASTIC SUBMERSIBLE PUMPS, CLEAN WATER

APPLICATION

Especially designed for emptying of swimming pools and draining rainwater in basement and cellars.

CHARACTERISTICS

Motor casing and exterior housing of the pump in stainless steel AISI 304, turbine, diffuser and suction grille in Noryl - Motor spindle in stainless steel AISI 303. Mechanical seal in silica carbide and oil bath and retainer seal. Pump body, motor casing, impeller and suction grille in stainless steel AISI 304 - Motor spindle in AISI 303. Mechanical seal in silica carbide in oil bath and retainer seal.

MOTOR

Single-phase motor with built-in thermal protector. Motor in oil bath. Max temperature of Pumped liquid 50° C.

Ø Solids 35-65 = 3MM.

Ø Solids 80 = 10 mm.



Code	CL 350S	CL 500S	CL 750S	CL 1000S
Capacity	0.35hp	0.5hp	0.75hp	1.0hp
Vol& Fre	230v/50Hz	230v/50Hz	230v/50Hz	230v/50Hz
Max. pump height	8.0m	8.5m	8.5m	9.5m
Max .pump rate	7000l/h	11000l/h	12500l/h	15000l/h
Max submersible depth	7m	7m	7m	7m
Max grain size	5mm	5mm	5mm	5mm
Max pressure	0.8bar	0.85bar	0.85bar	0.95bar
Dia of connecting pipe	1"G1"1'-1/4"G1-1/4"	1"G1"1'-1/4"G1-1/2"	1"G1"1'-1/4"G1-1/2"	1"G1"1'-1/4"G1-1/2"
Cable specification	HO5RN- F3G0.75mm2	HO5RN- F3G1.0mm2	HO5RN- F3G1.0mm2	HO5RN- F3G1.0mm2
Length of cable	10m	10m	10m	10m
Lowest pump starting level	100mm	115mm	135mm	135mm
Lowest pump sucking level	5mm	5mm	5mm	5mm
Max.medium temperature	35°C	35°C	35°C	35°C



APPLICATION

Pump specially designed for pool water filtration to be directly connected to solar panel. Optional module for electrical grid switching available.

ADVANTAGE

- Energetic efficiency achieved due to photovoltaic panels
- Variable speed operation depending on instant solar radiation.
- Electronic configuration improves duty point.
- Low noise operation
- IP55 for humid and dusty environments.
- Powered either by solar panels or standard AC/DC with
- Optional module.
- Good mechanical integration of MOTOR & INVERTER.

INTEGRATED INVERTER Built in aluminium with an independent ventilation system to guarantee
Excellent thermal performance

SYNCHRONOUS THREE PHASE MOTOR - With high efficiency permanent magnets.

PUMP FEATURES



Characteristics curve

Head(m)	4	6	8	10	12	14
Flow(m ³ /h)	17,0	15,5	14,0	12,5	11,0	9,5

MATERIALS

Pump Body polypropylene +30% fiberglass
Impeller & diffuser Noryl® + 30% fiberglass
Filter basket Polypropylene
Shaft: stainless steel AISI 316L.
Mechanical seal Carbon + resin - ceramics

CONNECTIONS

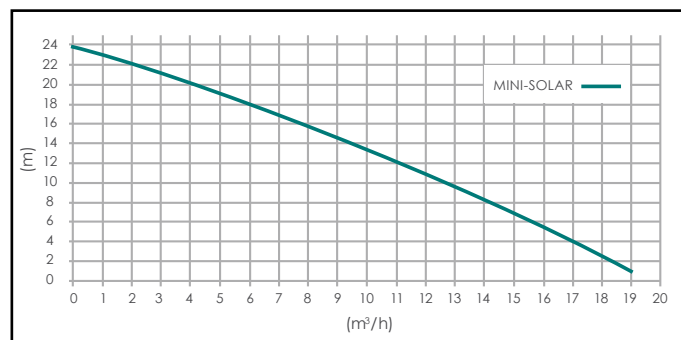
IN - OUT 1"1/2 x 1"1/2
3 pieces union Ø50mm included

Control system

Connected to solar panels, the MPPT control system maximizes electrical power drawn from the panels and therefore the amount of pumped water.

Solar radiation < -----> **Rotation speed** < -----> **water flow**

Minimum working point controlled to ensure the minimum flow.



BUILT IN PROTECTIVE AGAINST

Over voltage and under voltage
Over current and no load
Dry running
overheating

ELECTRICAL FEATURES

Rated frequency 48-62 HZ
Input current Max 11A P.F 1
Input Voltage 90-400 VDC ,1x90 -265VAC
Max . Water temperature 40°C
Max .altitude at rated current : 1000m
Protection IP55 (NEMA - 4)
Motor insulation class F
Digital output settings N .O or N.C :
Motor run signal
Alarm signal

EMC COMPATIBILITY FOR RESIDENTIAL ENVIRONMENT

Integrated PFC (PF 1) to meet ENG61000-3-2
Integrated input filter for category C1
(EN61800-3) , class B (EN55011)

ANALOG INPUTS (10 OR 15 VDC)

4-20mA
4-20mA
0-10VDC
0-10VDC

RS485 MODBUS RTU

Mobile APP and Bluetooth connection:
Used to set and motor different parameters such as maximum frequency , pressure values and START/STOP the VFD.

NEW CONTRA - COUNTER CURRENT PUMP

The new contra pump is designed for swimming in pools with reduced dimensions. Thanks to its high flow rate, the new contra pumps allows an upstream in a static way. Its exclusive nozzle system provides easier regulation of flow and the current direction adapted to the needs of the user. Maximum flow rate 100m³/h

MATERIALS

- Pump body and diffuser Polypropylene + 30% GF.
- Impeller Bronze or cast iron with cataphoresis.
- Shaft Stainless steel AISI 316
- Mechanical seal Carbon + Resin - Ceramics .
- Motor 2.900 rpm
- Waterproof IP55
- Thermal protection Included in single phase models.



COUNTER CURRENT NOZZLE

The nozzle includes cover, pneumatic push button and box housing for embedding

DIMENSION

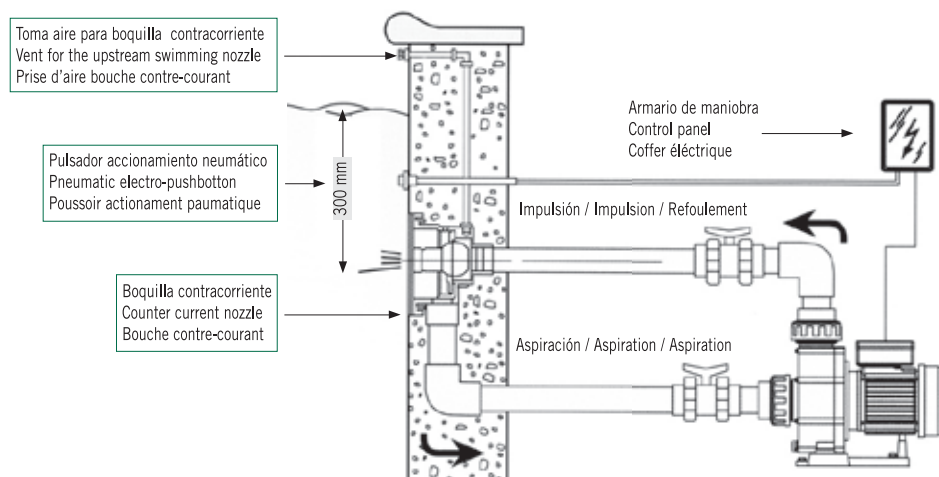
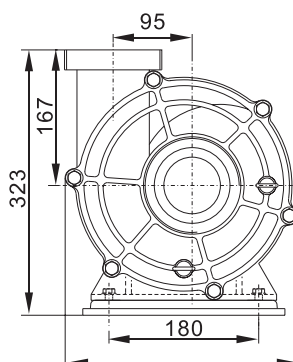
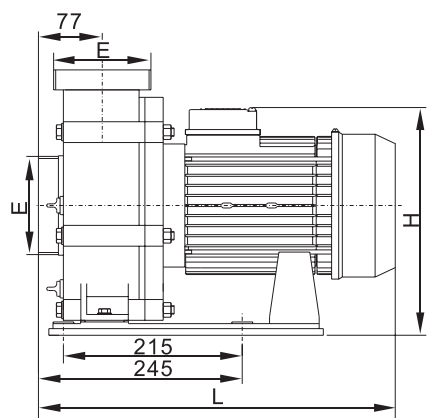
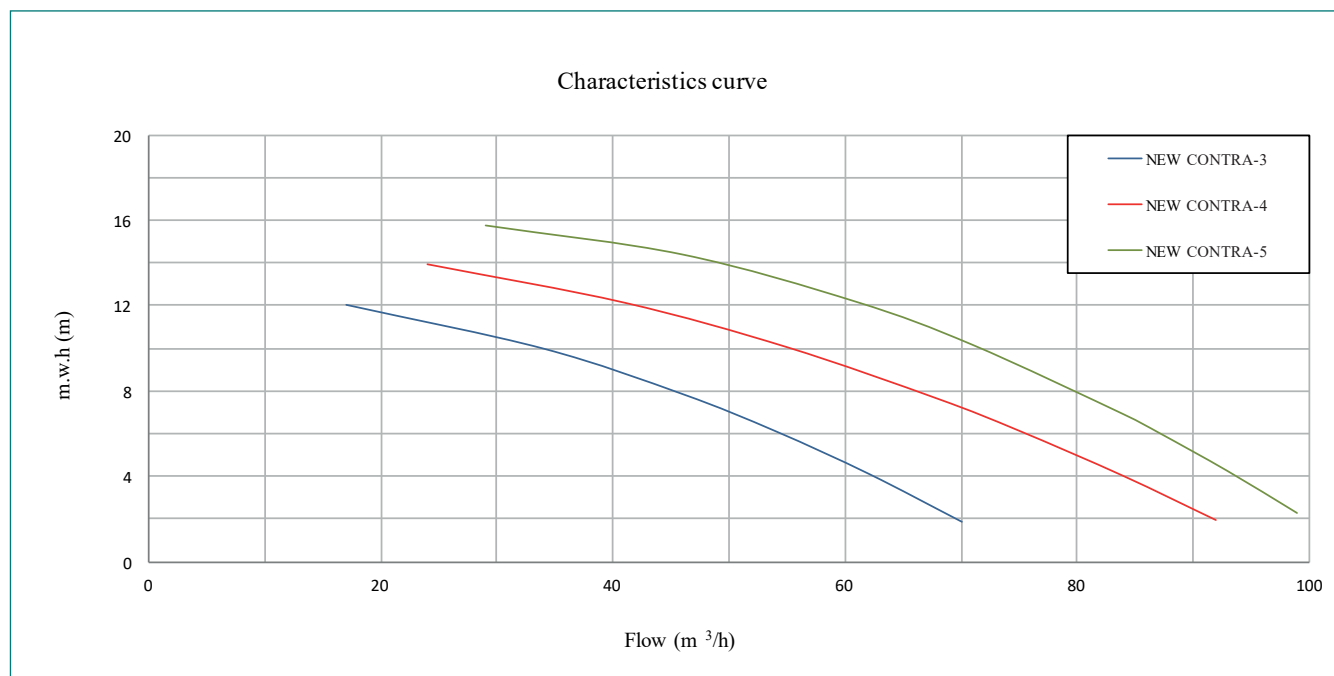
Type	A	B	C	D	E	F	G	H	I	L
New contra -3	370	156	75	260	75	77	64	319	168	420
New contra -4	410	156	75	260	75	77	64	319	168	450
New contra-5	410	156	75	260	75	77	64	319	168	450

TECHNICAL SPECIFICATION

Type	Power		230V	400V	2	4	6	8	10	12	14	16	Weight
	Kw	HP	A	A									
New contra -3	2,2	3	15	4,9	70	62	54	46	34	17			20,5
New contra -4	3	4		6,4	84	78	72	65	58	49	37	19	23,5
New contra-5	4	5,5		8,3	96	90	82	76	69	60	50	36	25,5



NEW CONTRA - COUNTER CURRENT SWIMMING CENTRIFUGAL PUMP



COMMERCIAL PUMPS

This new series of pumps developed by PROTEAM BOMBAS PSH is intended to meet the specific needs of the water parks and especially for the Slides. Includes end - suction centrifugal pumps , dimensionally designed according to EN733. All parts in contact with water are treated by long lasting cataphoresis. This treatment prevents the formation of troublesome oxides of cast iron pumps as the paint through chemically combines with all iron molecules located on the surface of the piece.

The cataphoresis significantly prolong the life of cast iron and is one of the best anticorrosive and anti - rust treatments existing on the market nowadays. How efficiency motor class IE3 according to regulation EC n°640/2009 High Hydraulic efficiency Special long term treatment to prevent corrosion. Standard motor shaft which makes it compatible with any manufactures' s motor world wide. Especially designed for water slides. Dimensions according norm EN733

Features

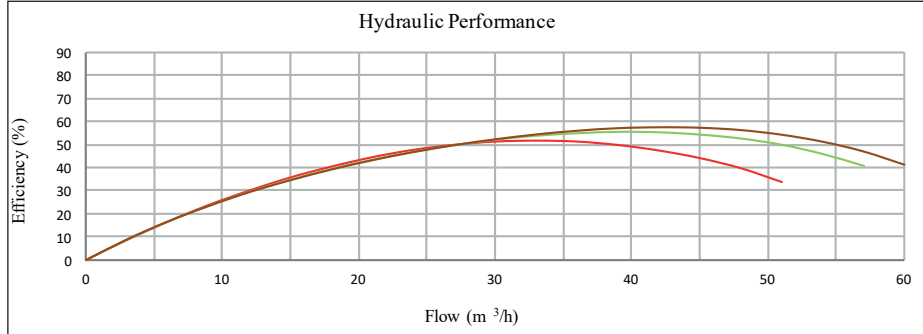
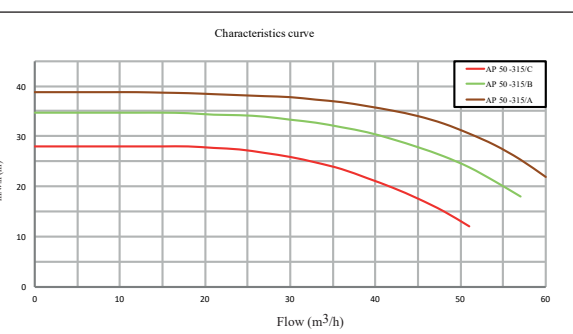
- Waterproof IP55
- High Quality mechanical seal and bearing
- Flow rate up to 522m³/h
- Manometer head 39mwh maximum
- Power rate From 7,5 HP to 60HP
- Voltage 230/400V or 400/690V
- Motor 50Hz /1450rpm
- Avalible also at 60Hz



Flow rate																					
m³/h	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60
l/min	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000

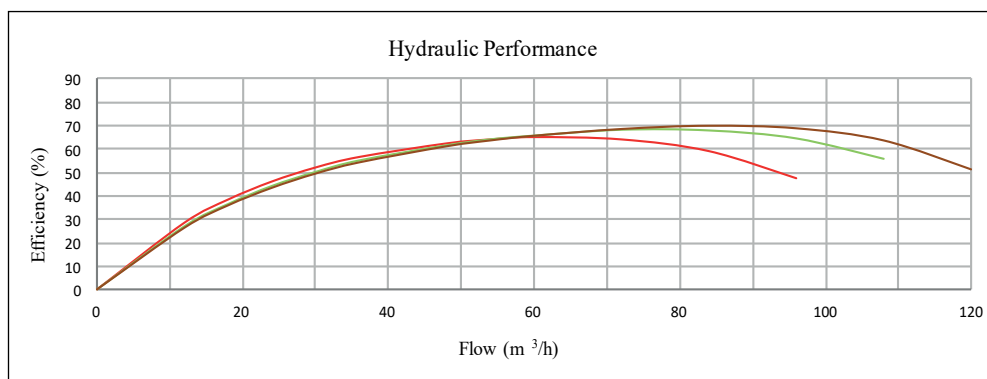
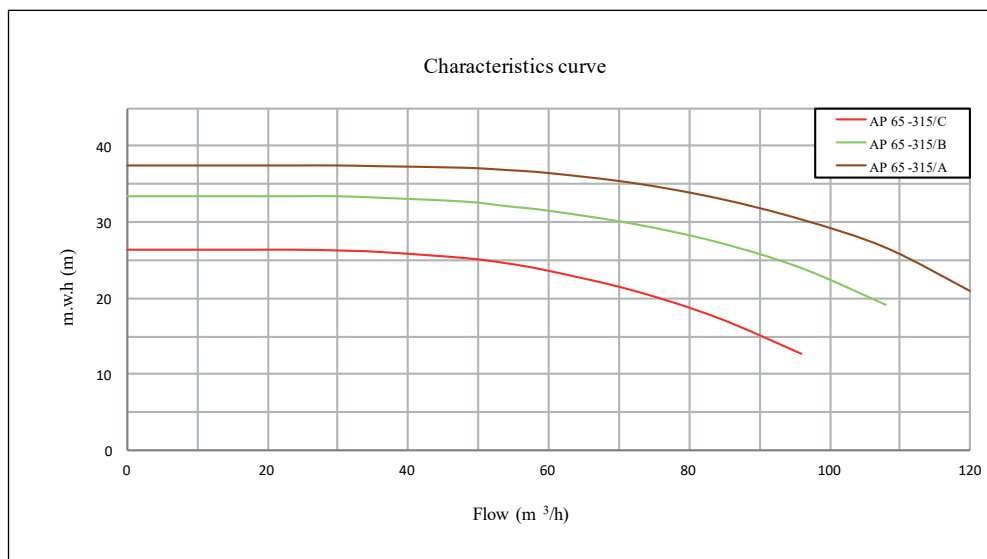
Type	Power		Head m																				
	kw	hP																					
AP50-315/C	5,5	7,5	27,9	27,9	27,9	27,9	27,9	27,9	27,9	27,6	27,3	26,6	25,8	24,7	23,4	21,6	19,7	17,5	15,0	12,0			
AP50-315/B	7,5	10	34,7	34,7	34,7	34,7	34,7	34,7	34,6	34,3	34,2	33,9	33,3	32,7	31,8	30,8	29,4	27,8	26,0	23,8	21,0	18,0	
AP50-315/A	11	15	38,8	38,8	38,8	38,8	38,8	38,7	38,6	38,4	38,2	38,0	37,8	37,3	36,8	36,0	35,1	34,0	32,5	30,5	28,2	25,3	21,8

Type	Power		230/400V		400/690V		DNA In	DNI OUT	Weight
	Kw	HP	A	A	A	A			
AP50-315/C	5,5	7,5	18,6	10,7	10,7	6,2	65	50	129
AP50-315/B	7,5	10			14,3	8,3	65	50	150
AP50-315/A	11	15			20,4	11,8	65	50	175



MATERIALS

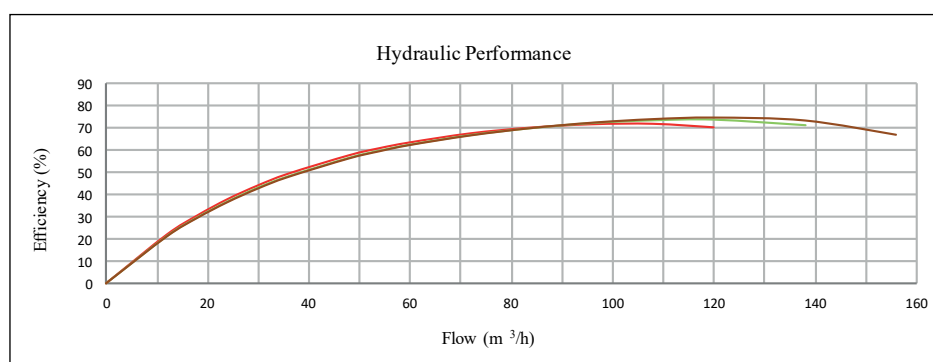
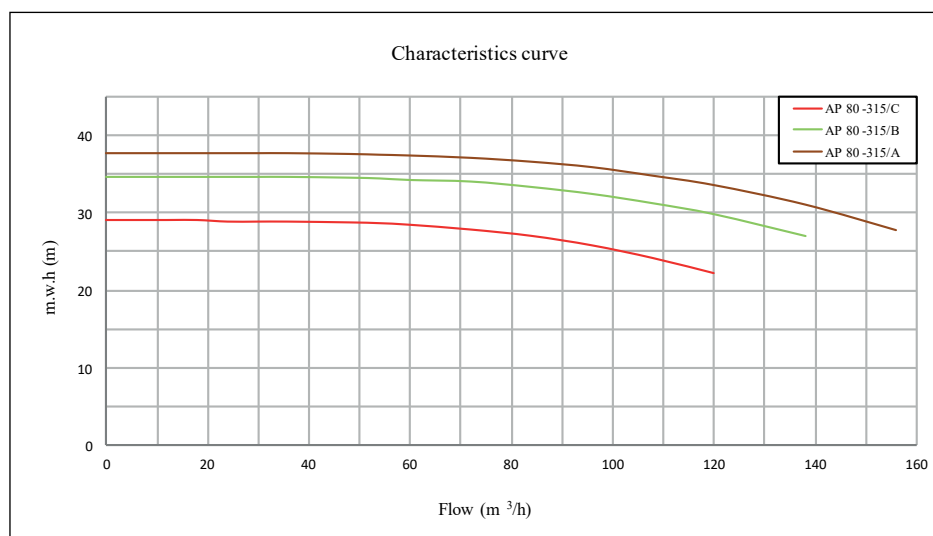
Pump Housing : Cast iron treated by cataphoresis. Impeller: Cast iron treated by cataphoresis or Bronze on demand. Shaft: Stainless steel AISI 316L Mechanical seal : Carbon +silicon Carbide. Screws: Stainless steel AISI304



Flow rate														
m³/h	0	12	18	24	30	36	48	54	60	72	84	96	108	120
l/min	0	200	300	400	500	600	800	900	1000	1200	1400	1600	1800	2000

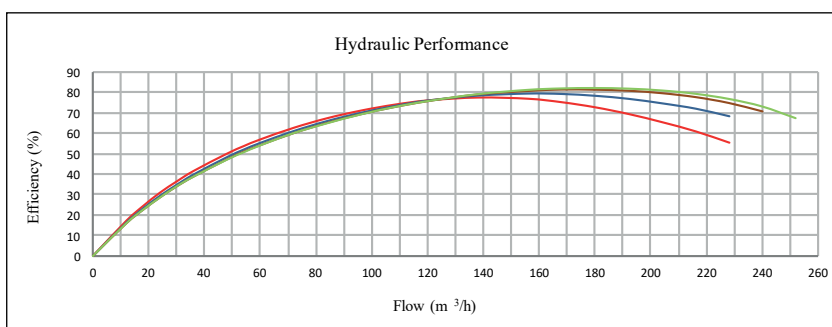
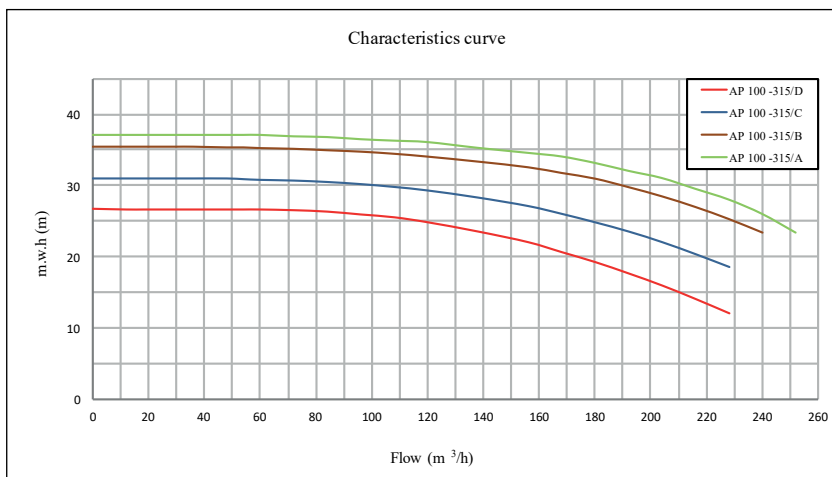
Type	Power		Head												
	kw	hP	26.4	26.4	26.4	26.4	26.3	26.1	25.3	24.6	23.6	21.0	17.4	12.6	
AP65-315/C	7.5	10	33.4	33.4	33.4	33.4	33.4	33.2	32.7	32.1	31.5	29.8	27.4	24.0	19.2
AP65-315/B	11	15	37.5	37.5	37.5	37.5	37.5	37.4	37.2	36.9	36.5	35.2	33.2	30.4	26.7
AP65-315/A	15	20													

Type	Power		400/690V		DNA In	DNI OUT	Weight
	Kw	HP	A	A			
AP65-315/C	7.5	10	14,3	8,3	80	65	138
AP65-315/B	11	15	20,4	11,8	80	65	163
AP65-315/A	15	20	27,3	15,8	80	65	177



Flow rate																	
m³/h	0	12	18	24	30	36	48	54	60	72	84	96	108	120	138	156	
l/min	0	200	300	400	500	600	800	900	1000	1200	1400	1600	1800	2000	2300	2600	
Type	Power		Head														
	kw	hP															
AP80-315/C	11	15,0	29	29.0	29.0	28.8	28.8	28.8	28.7	28.6	28.4	27.8	27.0	25.8	24.2	22.3	
AP80-315/B	15	20	34.6	34.6	34.6	34.6	34.6	34.6	34.5	34.4	34.2	34.0	33.3	32.4	31.2	29.8	27.0
AP80-315/A	19	25	37.6	37.6	37.6	37.6	37.6	37.6	37.5	37.4	37.3	37.0	36.5	35.8	34.7	33.5	31.0

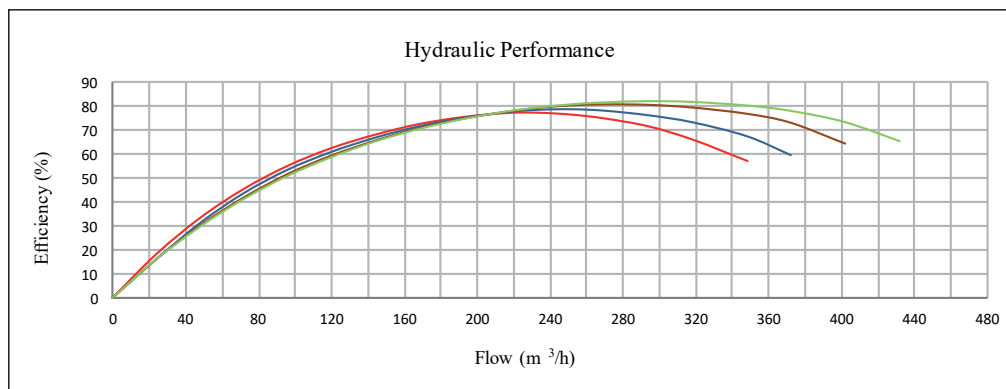
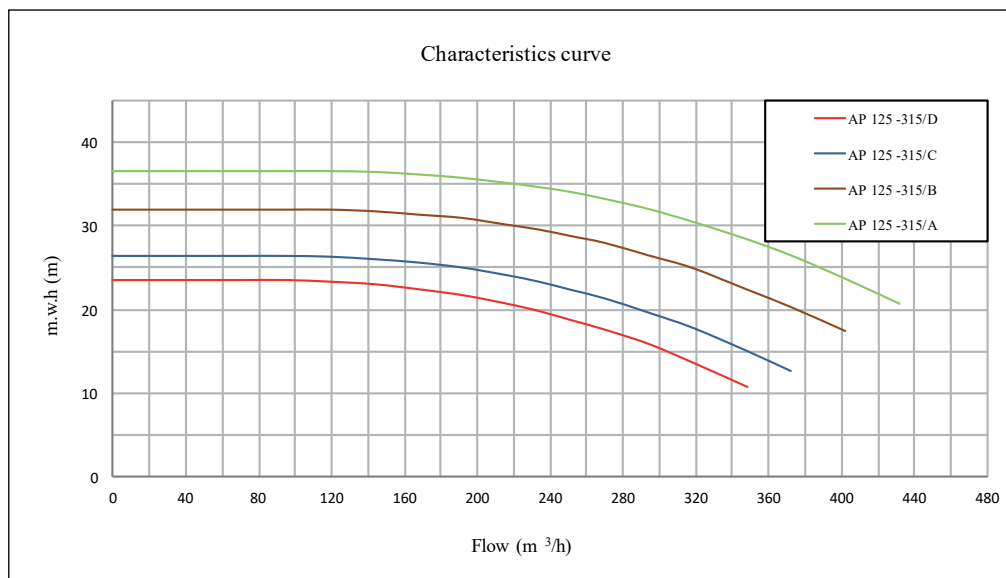
Type	Power		400/690V				DNA In	DNI OUT	Weight
	Kw	HP	A						
AP80-315/C	11	15	20,4		11,8		100	80	200
AP80-315/B	15	20	27,3		15,8		100	80	214
AP80-315/A	19	25	33,5		19,4		100	80	243



Flow rate															
m3/h	0	12	18	24	30	36	48	54	60	72	84	96	108		
l/min	0	200	300	400	500	600	800	900	1000	1200	1400	1600	1800		
Type	Power		Head												
	kw	hP													
AP100-315/D	15	20	26,7	26,6	26,6	26,6	26,6	26,6	26,6	26,6	26,5	26,3	25,9	25,5	
AP100-315/C	18,5	25	31,0	31,0	31,0	31,0	31,0	31,0	31,0	30,9	30,8	30,7	30,5	30,2	29,8
AP100-315/B	22	30	35,5	35,5	35,5	35,5	35,5	35,5	35,5	35,4	35,3	35,2	35,0	34,8	34,5
AP100-315/A	30	40	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0	37,0	36,8	36,7	36,4	36,2

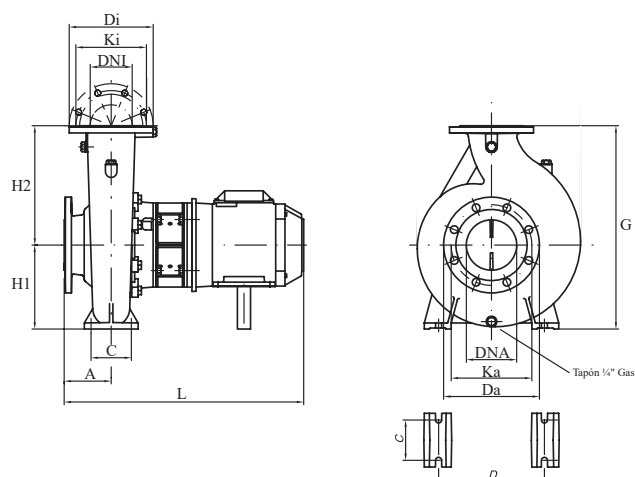
Flow rate													
m ³ /h	120	156	168	180	192	204	216	228	240	252	138		
l/min	2000	2600	2800	3000	3200	3400	3600	3800	4000	4200	2300		
Type	Power		Head										
	kw	hP											
AP100-315/D	15	20	24,8	22,0	20,6	19,2	17,6	15,9	14,0	12,0			23,5
AP100-315/C	18,5	25	29,3	27,1	26,0	24,8	23,5	22,0	20,3	18,5			28,3
AP100-315/B	22	30	34,1	32,6	31,8	31,0	29,8	28,5	27,0	25,3	23,4		33,4
AP100-315/A	30	40	36,0	34,5	34,0	33,1	32,0	31,0	29,5	28,0	26,0	23,4	35,2

Type	Power		400/690V		DNA In	DNI OUT	Weight
	Kw	HP	A	A			
AP100-315/D	15	20	27,3	15,8	125	100	221
AP100-315/C	18,5	25	33,5	19,4	125	100	250
AP100-315/B	22	30	39,7	23	125	100	258
AP100-315/A	30	40	53,8	31,2	125	100	310



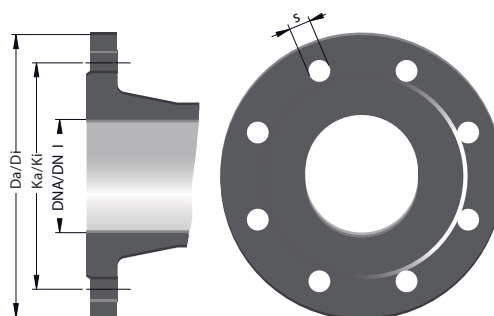
Flow rate																					
m³/h	0	24	48	72	96	120	144	168	192	216	234	252	270	294	318	348	372	402	432		
l/min	0	400	800	1200	1600	2000	2400	2800	3200	3600	3900	4200	4500	4900	5300	5800	6200	6700	7200		
Type	Power		Head																		
	kw	hP																			
AP125-315/D	18,5	25	23,5	23,5	23,5	23,5	23,5	23,3	23,0	22,4	21,7	20,7	19,8	18,7	17,6	15,9	13,7	10,8			
AP125-315/C	22	30	26,4	26,4	26,4	26,4	26,4	26,3	26,0	25,6	25,0	24,1	23,3	22,3	21,3	19,6	17,8	15,0	12,6		
AP125-315/B	30	40	32,0	32,0	32,0	32,0	32,0	32,0	31,8	31,4	31,0	30,2	29,6	28,8	28,0	26,5	25,0	22,4	20,3	17,4	
AP125-315/A	37	50	36,5	36,5	36,5	36,5	36,5	36,5	36,4	36,1	35,7	35,1	34,6	34,0	33,2	32,0	30,5	28,4	26,5	23,7	20,7

Type	Power		400/690V		DNA In	DNI OUT	Weight
	Kw	HP	A	A			
AP125-315/D	18,5	25	33,5	19,4	150	125	278
AP125-315/C	22	30	39,7	23	150	125	286
AP125-315/B	30	40	53,8	31,2	150	125	338
AP125-315/A	37	50	66,1	38,3	150	125	388



Type	Power		DNA	DNI	Dimensions						Weight	
	kW	HP			A	L	G	H1	H2	C	D	Kg
AP50-315/C	5,5	7,5	65	50	125	758	505	225	280	95	280	129
AP50-315/B	7,5	10	65	50	125	780	505	225	280	95	280	150
AP50-315/A	11	15	65	50	125	914	505	225	280	95	280	175
AP65-315/C	7,5	10	80	65	125	780	505	225	280	120	315	138
AP65-315/B	11	15	80	65	125	914	505	225	280	120	315	163
AP65-315/A	15	20	80	65	125	985	505	225	280	120	315	177
AP80-315/C	11	15	100	80	125	914	565	250	315	120	315	200
AP80-315/B	15	20	100	80	125	985	565	250	315	120	315	214
AP80-315/A	18,5	25	100	80	125	991	565	250	315	120	315	243
AP100-315/D	15	20	125	100	140	1000	565	250	315	120	315	221
AP100-315/C	18,5	25	125	100	140	1006	565	250	315	120	315	250
AP100-315/B	22	30	125	100	140	1075	565	250	315	120	315	258
AP100-315/A	30	40	125	100	140	1128	565	250	315	120	315	310
AP125-315/D	18,5	25	150	125	140	1018	635	280	355	150	400	278
AP125-315/C	22	30	150	125	140	1087	635	280	355	150	400	286
AP125-315/B	30	40	150	125	140	1138	635	280	355	150	400	338
AP125-315/A	37	50	150	125	140	1220	635	280	355	150	400	388
AP150-315/D	22	30	200	150	160	1107	680	280	400	150	450	306
AP150-315/C	30	40	200	150	160	1158	680	280	400	150	450	358
AP150-315/B	37	50	200	150	160	1240	680	280	400	150	450	408
AP150-315/A	45	60	200	150	160	1256	680	280	400	150	450	445

PN 16 Suction & Drive				
DNA/DNI	Da/DI	Ka/KI	S	N
50	165	125	19	4
65	185	145	19	4
80	200	160	19	8
100	220	180	19	8
125	250	210	19	8
150	285	240	23	8
200	340	295	23	12



PREFILTERS PLASTIC

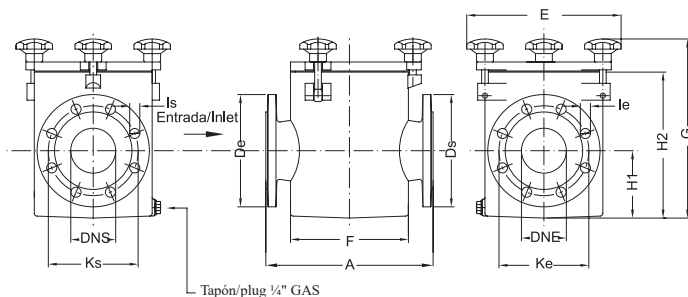
New range of prefilters made in Polypropylene with 30% fiberglass and transparent. The Pump lid closing with 6 butterfly nuts in stainless steel with ABS handle. Stainless steel basket

APPLICATION AREA

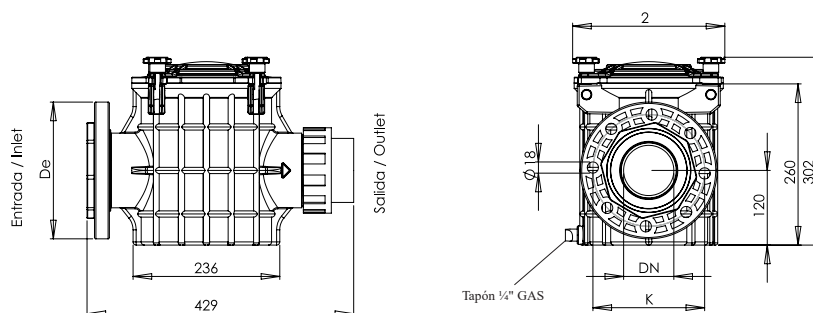
Test pressure - 2 bar
Flow rate range - 20 to 180m³/h
Temperature - 45°C max

MATERIALS

Prefilter housing : polypropylene +30%GF
Cover - polycarbonate
Basket: stainless steel AISI 304



Type	Dimensions							Inlet				Outlet				Thumb nut	Lts	Kg	
	A	E	F	G	H1	H2	DNE	Ke	De	le	BoltS	DNS	Ks	Ds	ls	Bolts			
H100/100	345	275	250	320	120	260	100	180	220	19	8	100	180	220	19	8	6	11	9,2
H125/100	345	265	250	370	132	295	125	210	250	19	8	100	180	220	19	8	6	11	9,2



Flow rate range - 20 to 120m³/h

Type	Inlet						Outlet		Tumb nut		Lts	Kg
	DNE	Ke	De	Ie	Bolts	DNS	Ks	Ds	Is	Bolts	4	86,5
H Ø75/Ø75	75 mm pipe to glue						75 mm pipe to glue				4	86,5
H Ø90/Ø90	90 mm pipe to glue						90 mm pipe to glue				4	86,5
H Ø100/Ø90	DN100	180	220	19	8		90 mm pipe to glue				4	86,5
H Ø100/Ø100	DN100	180	220	19	8	DN100	180	220	19	8	4	86,5

VERTICAL PREFILTERS CAST IRON AND BRONZE

Cast iron and bronze prefilters for suspended solids filtration, Placed at the pump inlet, they prevent impeller blocking. The system of cover fixing allows an easy access to the prefilter basket for maintenance.

MATERIALS

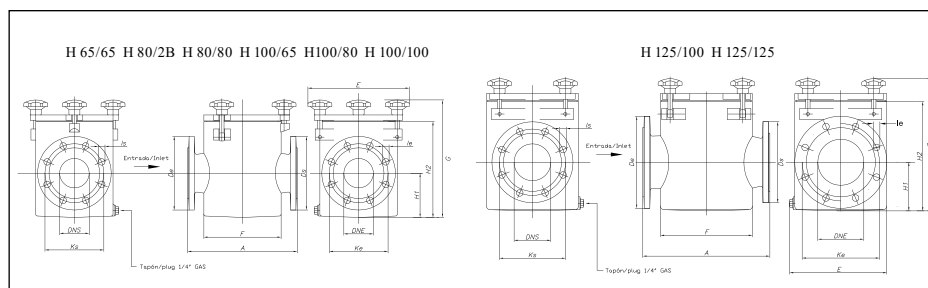
Prefilter housing and cover cast iron or bronze.

Basket Stainless Steel AISI 304

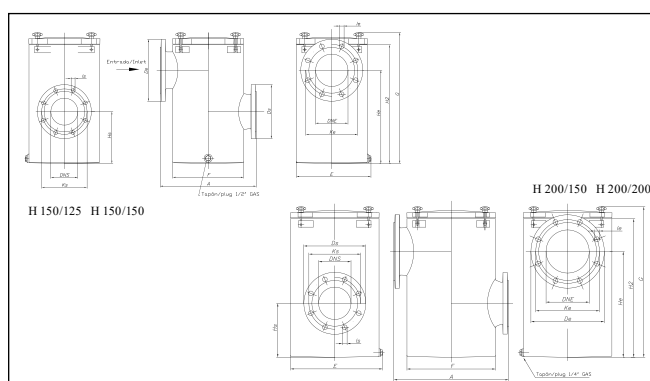
Working Pressure 2 Bar

Working temperature 60°C Max

Type	Dimensions					Inlet						Outlet				Thumbnut		Lts	GG25 Kg	Br. Kg
	A	E	F	G	H1	H2	DNE	Ke	De	Is	Bolts	DNS	Ks	Ds	Is	Bolts				
H65/65	300	275	210	320	120	260	70	145	185	19	4	70	145	185	19	4	3	11	19,5	22
H80/2B	300	275	210	320	120	260	80	160	200	19	8	70	125	152	14	4	3	11	20,5	23
H80/80	300	275	210	320	120	260	80	160	200	19	8	80	160	200	19	8	3	11	20,5	23
H100/65	300	275	210	320	120	260	100	180	220	19	8	70	145	185	19	8	3	11	20,5	23
H100/80	300	275	210	320	120	260	100	180	220	19	8	80	160	200	19	8	3	11	21	23
H100/100	300	275	210	320	120	260	100	180	220	19	8	100	180	220	19	8	3	11	21,5	24
H125/100	345	265	250	370	132	295	125	210	250	19	8	100	180	220	19	8	4	13,5	35	39
H125/125	345	265	250	370	132	295	125	210	250	19	8	125	210	250	19	8	4	13,5	36	41



Type	Dimensions					Inlet						Outlet						Thumbnut	Lts	GG25 Kg
	A	E	F	G	H1	HE	DNE	Ke	De	le	Bolts	HS	DNS	KS	DS	IS	Bolts			
H150/125	445	347	330	610	550	430	150	240	287	23	8	240	125	210	250	19	8	42	76	86
H150/150	445	347	330	610	550	430	150	240	287	23	8	240	150	240	287	23	8	42	77	87
H200/150	528	426	410	698	640	490	200	295	340	23	8	250	150	240	287	23	8	84	96	109
H200/200	528	426	410	698	640	490	200	295	340	23	8	250	200	295	340	23	8	84	98	111



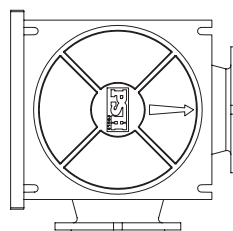
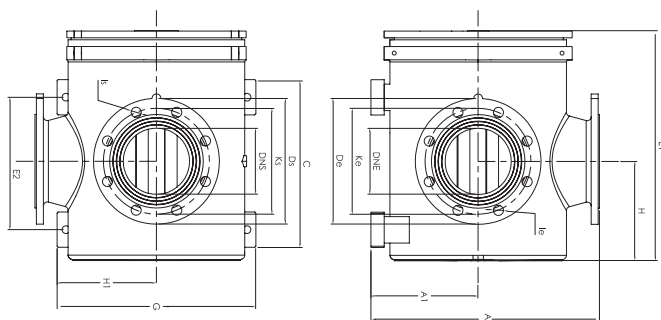
PREFILTERS CAST IRON AND BRONZE

Cast iron and bronze prefilters for suspended solids filtration. Placed at the pump inlet, they prevent impeller blocking. The system of cover fixing allows an easy access to the prefilter basket for maintenance.

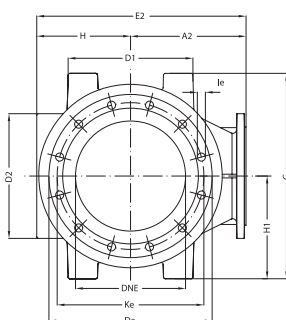
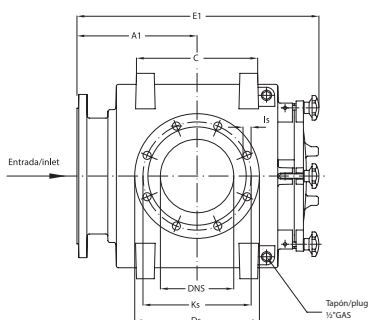
MATERIALS

- Prefilter housing and cover cast iron or bronze.
- Basket Stainless Steel AISI 304
- Working Pressure 2 Bar
- Working temperature 60°C Max

Type	Dimensions											Inlet					Outlet				Lts	25 Kg
	A1	A2	C	D1	D2	E1	E2	G	H	H1	DNE	Ke	De	Ie	Bolts	DNS	Ks	Ds	IS	Bolts		
V150/150	243	518	377			520	300	450	225	225	150	240	285	23	8	150	240	285	23	8	52	110



Type	Dimensions					Inlet							Outlet							Lts				25	Br.
																								Kg	Kg
	A1	A2	C	D1	D2	E1	E2	G	H	H1	DNE	Ke	De	Ie	Bolts	DNS	Ks	Ds	IS	Bolts					
H250/150	328	315	332	342	340	600	570	500	255	250	250	350	395	23	12	150	240	285	23	8	93	114	130		
H250/200	328	315	332	342	340	600	570	500	255	280	250	350	395	23	12	200	295	340	23	8	93	118	135		
H300/200	328	315	332	342	340	600	570	500	255	280	300	400	445	23	12	200	295	340	23	8	93	122	138		



GREAT GIANT - POLYPROPYLENE+30% FIBERGLASS CONSTRUCTION

Range of prefilters made in polypropylene with 30% fiberglass and transparent lid closing threaded. Basket made of polypropylene.



APPLICATION AREA

Test Pressure - 2 bar

Flow rate range - 20to 245m3/h

Temperature - 45°C Max

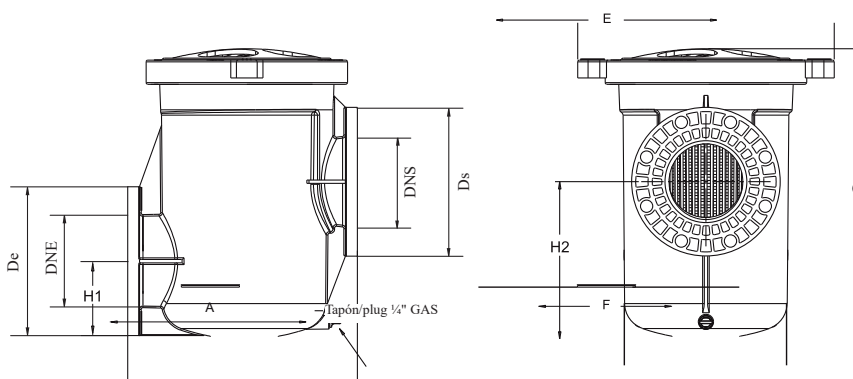


MATERIALS

Prefilter housing - polypropylene +30% GF

Cover - Polycarbonate

Basket - polypropylene



Type	Dimensions								Inlet				Outlet				Lts	25 Kg
	A	E	F	G	H1	H2	DNE	Ke	De	Le	Bolts	DNS	Ks	Ds	Is	Bolts		
H150/150	427	483	315	546	146	295	150	240	280	24	8	150	240	280	24	8	33	36

