

2021 COMMERCIAL CATALOGUE

**The strength of a global
offer for commercial pools**

Pumps

Filters

White goods

Water treatment

Cleaners

Heat pumps

Surround equipment

PREFACE

In 2020, both public and semi-public swimming pools have seen their operations severely affected by the unprecedented public health crisis. As I write this message, it is too early to say with any certainty when the crisis will be over, but we can begin to draw some initial lessons from it. We have seen how very important it is for each of us as entrepreneurs to have access to local products, whatever our domain, so that we can react to unexpected situations.

At Hayward® Commercial Aquatics, our strength lies in our ability to supply you with a full range of products (from filtration systems to comfort equipment) covering all the technologies on the market, for use in all your projects. Our products are designed in Europe, for the European market, so you know you can count on us regardless of the circumstances.

At Hayward®, we are known as the filtration experts, and we are always very proud to offer you an ever-expanding range of pumps and filters. We have designed our ten pump models in cast iron or in thermoplastic, with or without prefilters, to meet the needs of all your various projects: leisure centres, campsites, waterfalls and counter-current swimming. Similarly, our ten filter models offer a choice of two tried-and-tested technologies (laminated or bobbin-wound) coupled with all the various options on the market to cover any configuration. To complement this choice of filters, we have extended our range of manual and automatic valve batteries.

Because the public swimming pool sector is highly specific, we have a separate sales and technical support team dedicated solely to you, so do get in touch with them. Last but by no means least, everyone at Hayward® is committed to helping you make 2021 a success. Let's hope it's a great year!

Fernando Blasco
General Manager, Hayward® Europe

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Global Solution for commercial pools

SANITIZATION: CONTROL STATION PANEL

FILTERS - HCF UNI-SERIES

PUMP - HCP 4000 SERIES

HEAT PUMP - HCH SERIES

UV MEDIUM PRESSURE - SMART SERIES

European sales organisation

HAYWARD® is present throughout the European territory with a strong **commercial and technical team of 50** dedicated people.

**JOIN US AND
FOLLOW US ON OUR
SOCIAL NETWORK**



To contact our Customer Sales service:

☎ 00 33 (0)4 74 46 59 62 - 00 34 925 533 025

✉ eu-customerservices@hayward.com

🕒 Opening hours: 8.30 a.m. – 05.30 p.m.

To contact our After-Sales service:

☎ 00 33 (0)4 74 46 59 62

✉ sav@hayward.fr

🕒 Opening hours:

April to September: 8 a.m. – 6 p.m.

October to March: 9 a.m. – 12 p.m. / 1 p.m. – 5 p.m.



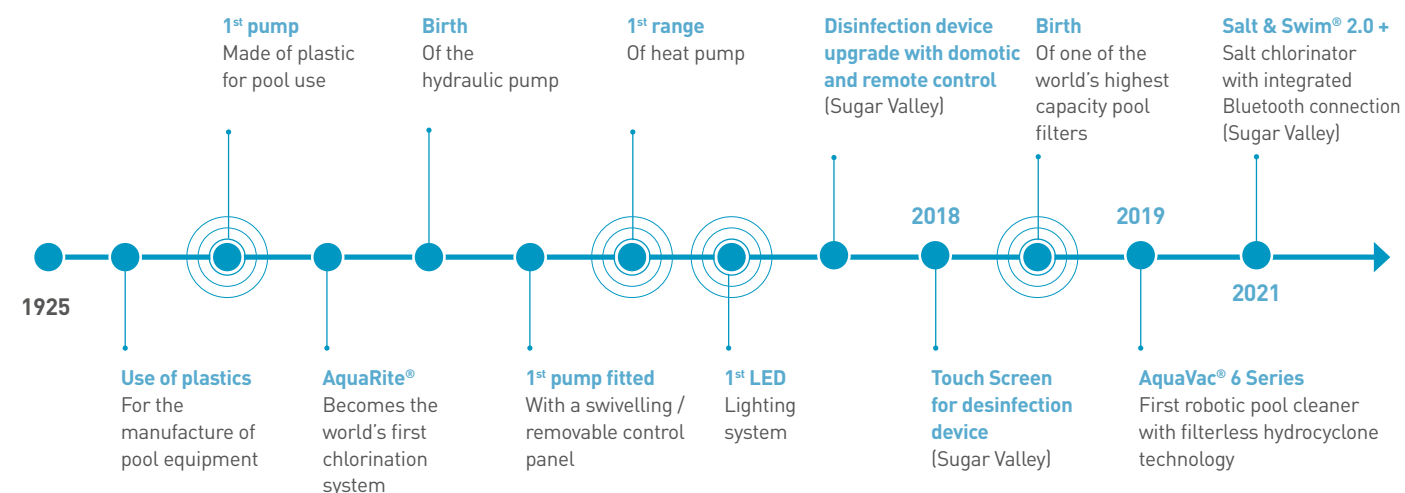
Hayward®, leading supplier of pool equipment

A worldwide presence



Hayward®, has been established in Europe for more than 50 years, with a local industrial and logistics presence

...A history driven by **product innovations**...

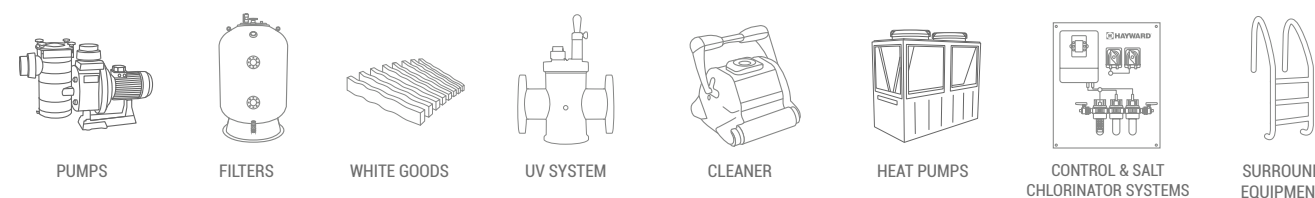


HAYWARD® IN EUROPE - A GLOBAL OFFER

- We have all the necessary **internal resources** (engineering, marketing, production, etc.) to design products adapted to the European market
- **A full range of products** (filtration and comfort) for private pools
- Various ranges - Hayward®, Kripsol® - to cover all your markets and requirements
- Proven expertise in water treatment with our Sugar Valley technology
- A global offer for commercial pools with our Hayward® Commercial Aquatics range

ALWAYS CLOSER TO YOU

A full range



..... FILTRATION SYSTEMS COMFORT EQUIPMENT

MORE THAN
5 MILLION
POOLS FITTED
WITH HAYWARD®
PRODUCTS



*2020 Hayward® in Europe



PUMPS

Global Solution for public pools

OUR RANGE OF PUMPS

Hayward® Commercial Aquatics offers a full range of pump technologies suitable for all types of commercial pools.

From small pools to large pools, the hydraulic performance levels are ideal to meet the requirements of complex installations.

All the three-phase motors are compliant with the IE3 standard of efficiency according to the directive 2005/32/EC of the European Parliament and of the Council, that promotes high-efficiency motors with the aim of reducing installation energy consumption.

HCP SERIES PUMPS

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HCP7200 SERIES

1500 rpm pumps

2
YEARS OF WARRANTY



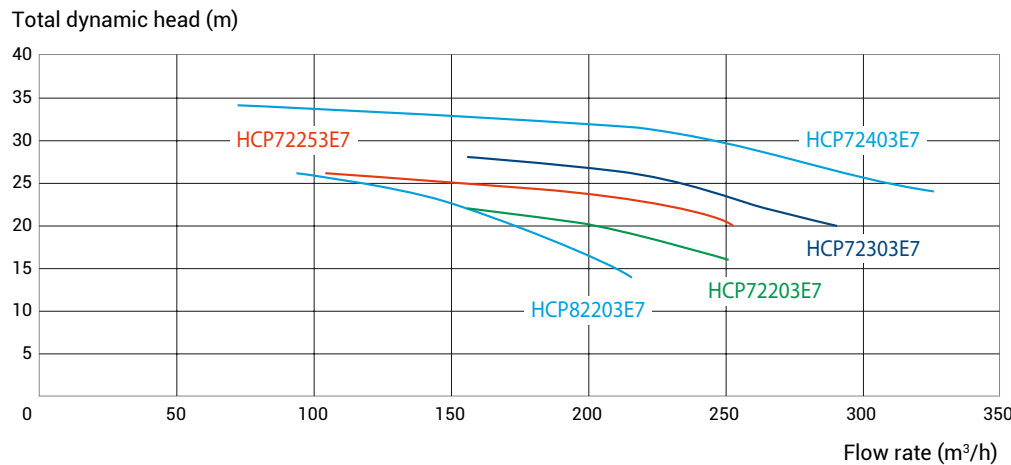
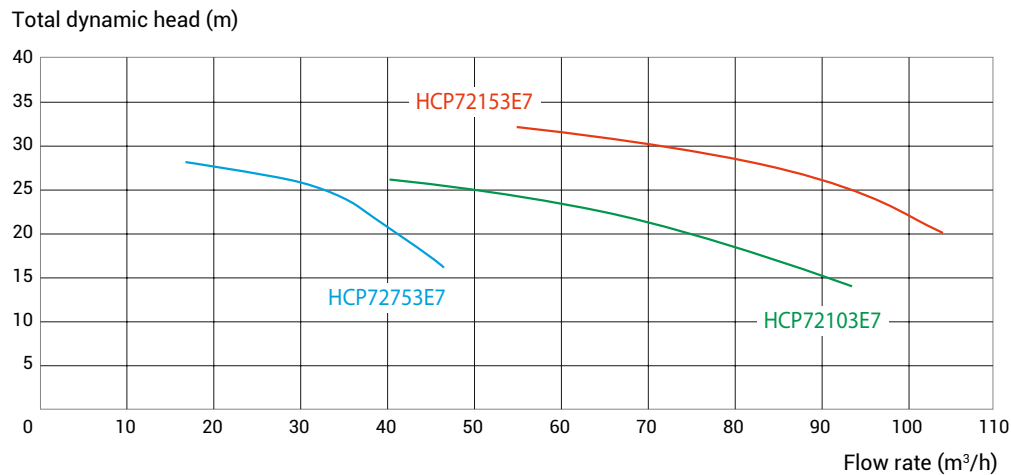
IE3

The solution for Commercial Pools

- All cast Iron pumps include electrolytic coating for high resistance to corrosion
- Stainless steel prefilter basket
- Pump provided with prefilter and coupling kit
- Max flow: 325 m³/h
- Carbon mechanical seal
- For 60 Hz, please contact us
- European Market IE3, efficiency motors

- ▶ 7.5 hp to 40 hp
- ▶ 1500 rpm
- ▶ Pump material: Cast Iron
- ▶ Impeller material: Bronze

HCP7200 SERIES Curves



HCP7200 SERIES

1500 rpm pumps

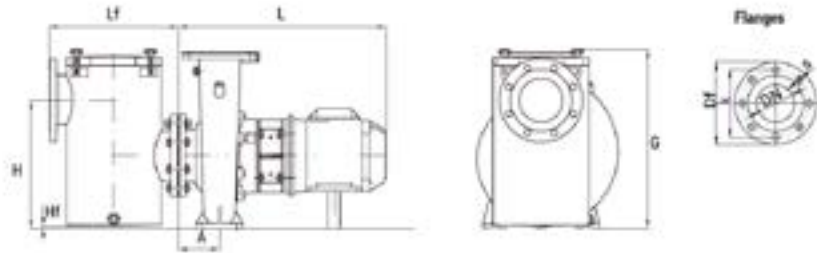
2
YEARS OF WARRANTY

HCP7200 SERIES Performance table

Reference	Amperage (A)			Head (m)										Connection flanges	
	P2	400/700V		14	16	18	20	22	24	26	28	30	32	Inlet	Outlet
	hp	A	A	Flow Rate (m³/h)										DN	DN
HCP72753E7	7.5	11	6.2	-	47	44	41	38	35	29	17	-	-	80	50
HCP72103E7	10	14	8.3	94	88	81	74	66	56	40	-	-	-	80	65
HCP72153E7	15	20	12	-	-	-	104	100	96	90	82	70	55	80	65
HCP82203E7	20	27	16	216	203	188	173	156	132	94	-	-	-	125	100
HCP72203E7	20	27	16	-	251	228	202	156	-	-	-	-	-	150	125
HCP72253E7	25	33	19	-	-	-	252	231	186	104	-	-	-	150	125
HCP72303E7	30	40	23	-	-	-	290	265	244	216	156	-	-	150	125
HCP72403E7	40	54	31	-	-	-	-	-	325	296	270	240	198	150	125

P2: Nominal Power

HCP7200 SERIES dimensions

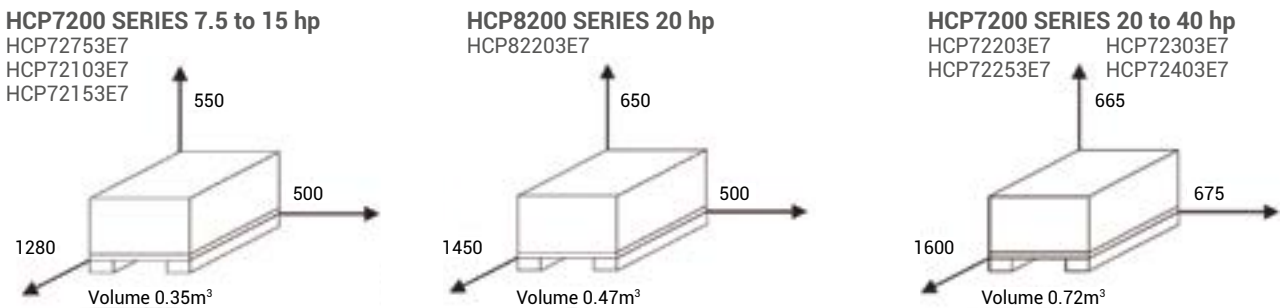


HCP7200 SERIES Table of dimensions

Reference		DIMENSIONS (mm)														Prefilter capacity	Weight
	P2	Inlet flange				Outlet flange				Pump dimensions							
	hp	DN	Df	k	s	DN	Df	k	s	A	G	H	Hf	L	Lf		
HCP72753E7	7.5	80	200	160	8 x 19	50	165	125	4 x 19	125	505	225	105	747	300	11	150
HCP72103E7	10	80	200	160	8 x 19	65	185	145	4 x 19	125	505	225	105	784	300	11	159
HCP72153E7	15	80	200	160	8 x 19	65	185	145	4 x 19	125	505	225	105	917	300	11	184
HCP82203E7	20	125	250	210	8 x 19	100	220	180	8 x 19	140	565	250	118	1003	345	13.5	257
HCP72203E7	20	150	285	240	8 x 23	125	250	210	8 x 19	140	635	280	40	1011	445	42	326
HCP72253E7	25	150	285	240	8 x 23	125	250	210	8 x 19	140	635	280	40	1017	445	42	355
HCP72303E7	30	150	285	240	8 x 23	125	250	210	8 x 19	140	635	280	40	1086	445	42	363
HCP72403E7	40	150	285	240	8 x 23	125	250	210	8 x 19	140	635	280	40	1137	445	42	415

P2: Nominal Power / Df: Outer diameter of the flange / k: Diameter between axes of opposing bores / s: Bores (Quantity x diameter)

HCP7200 SERIES packaging dimensions (pallet)



HCP5200 SERIES

1500 rpm pumps

2
YEARS OF WARRANTY



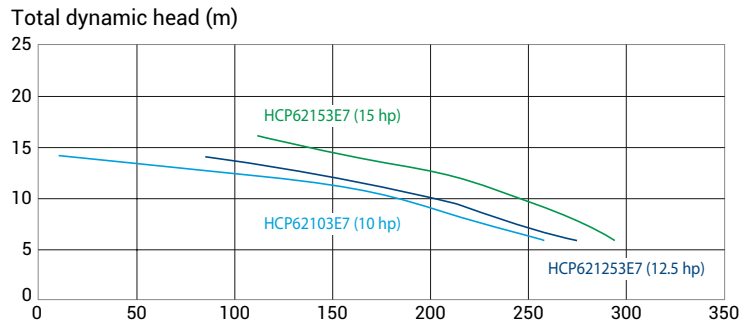
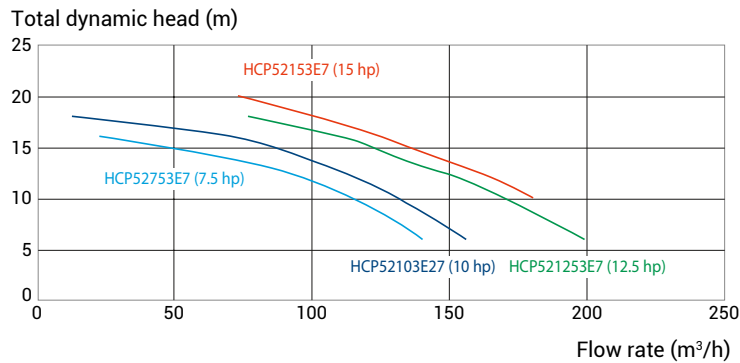
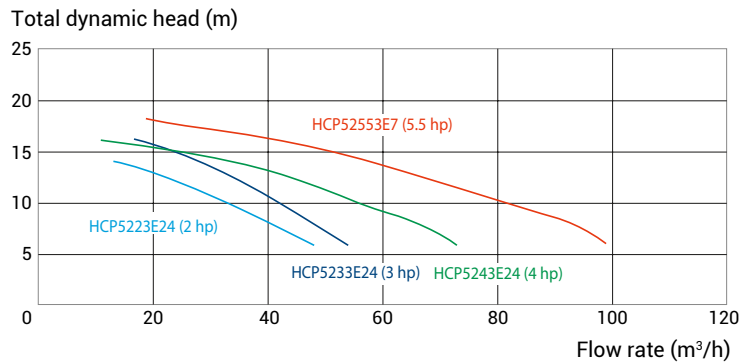
IE3

The solution for Commercial Pools

- All cast Iron pumps include electrolytic coating for high resistance to corrosion
- Stainless steel pre-filter and coupling kit
- Max flow: 550 m³/h
- Mechanical seal in carbon
- For 60 Hz, please contact us
- European Market IE3, efficiency motors

- ▶ 2 hp to 40 hp
- ▶ 1500 rpm
- ▶ Pump material: Cast Iron
- ▶ Impeller material: Bronze

HCP5200 SERIES Curves



HCP5200 SERIES

for high dynamic head & flow
1500 rpm pumps

2
YEARS OF WARRANTY

HCP 5200 SERIES Performance table

Reference	P2	Amperage (A)				Head (m) - Flow Rate (m³/h)								Connection flanges	
		230/400V		400/700V		6	8	10	12	14	16	18	20	Inlet	Outlet
		hp	A	A	A	A								DN	DN
HCP5223E24	2	5.7	3.3	-	-	48	40	33	24	13	-	-	-	100	3"
HCP5233E24	3	7.9	4.5	-	-	54	48	42	36	28	17	-	-	100	3"
HCP5243E24	4	10.5	6	-	-	73	66	55	46	33	11	-	-	100	80
HCP5253E7	5.5	-	-	7.9	4.6	99	93	82	70	58	42	19	-	100	80
HCP5273E7	7.5	-	-	10.7	6.2	140	128	114	97	67	23	-	-	125	100
HCP52103E7	10	-	-	14.3	8.3	156	145	131	117	97	73	13	-	125	100
HCP521253E7	12.5	-	-	17.5	10.1	199	185	170	154	131	112	77	-	150	100
HCP52153E7	15	-	-	20.4	11.8	-	-	180	165	145	125	102	73	150	100
HCP62103E7	10	-	-	14.3	8.3	258	220	182	121	10	-	-	-	150	125
HCP621253E7	12.5	-	-	17.5	10.1	274	235	202	152	86	-	-	-	150	125
HCP62153E7	15	-	-	20.4	11.8	295	275	245	215	162	111	-	-	150	125

P2: Nominal Power

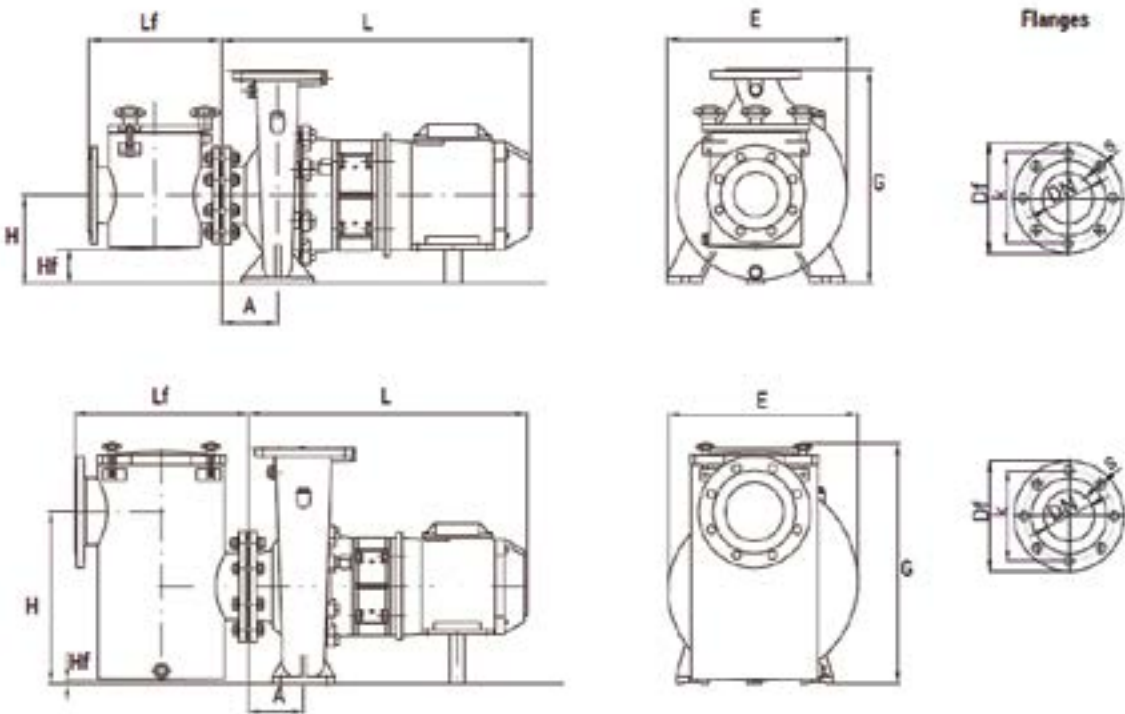


HCP5200 SERIES

1500 rpm pumps

2
YEARS OF WARRANTY

➤ HCP5200 SERIES Dimensions



Reference		DIMENSIONS (mm)																Prefilter capacity	Weight
	P2	Inlet flange					Outlet flange				Pump dimensions								
	hp	DN	Df	k	s	DN	Df	k	s	A	E	G	H	Hf	L	Lf	Lts		
HCP5223E24	2	100	220	180	8 x 19	50	165	125	4 x 19	100	335	405	180	60	470	298	11	84	
HCP5233E24	3	100	220	180	8 x 19	50	165	125	4 x 19	100	335	405	180	60	601	298	11	89	
HCP5243E24	4	100	220	180	8 x 19	80	200	160	4 x 19	125	405	480	200	80	641	298	11	104	
HCP5253E7	5.5	100	220	180	8 x 19	80	200	160	4 x 19	125	405	480	200	80	641	298	11	111	
HCP52753E7	7.5	125	250	210	8 x 19	100	220	180	8 x 19	140	430	505	225	93	801	345	13.5	143	
HCP52103E7	10	125	250	210	8 x 19	100	220	180	8 x 19	140	430	505	225	93	801	345	13.5	154	
HCP521253E7	12.5	150	285	240	8 x 23	100	220	180	8 x 19	140	430	505	225	-15	801	445	42	213	
HCP52153E7	15	150	285	240	8 x 23	100	220	180	8 x 19	140	430	505	225	-15	921	445	42	244	
HCP62103E7	10	150	285	240	8 x 23	125	250	210	8 x 19	140	485	605	250	10	801	445	42	221	
HCP621253E7	12.5	150	285	240	8 x 23	125	250	210	8 x 19	140	485	605	250	10	801	445	42	228	
HCP62153E7	15	150	285	240	8 x 23	125	250	210	8 x 19	140	485	605	250	10	921	445	42	261	

HCP5200 SERIES

1500 rpm pumps - large models

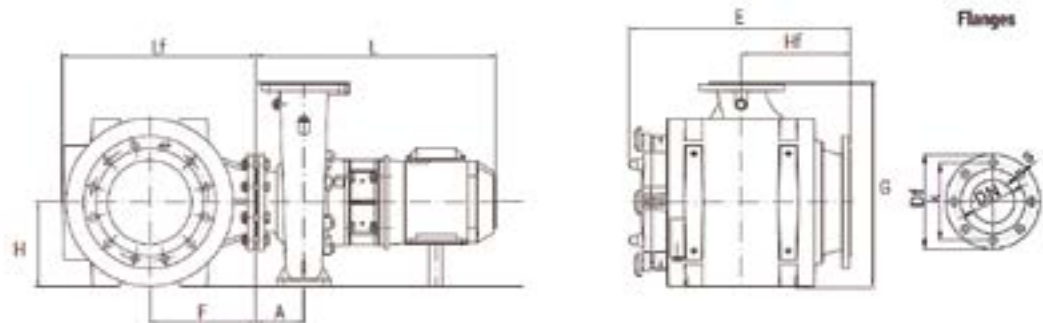
2
YEARS OF WARRANTY

Large models

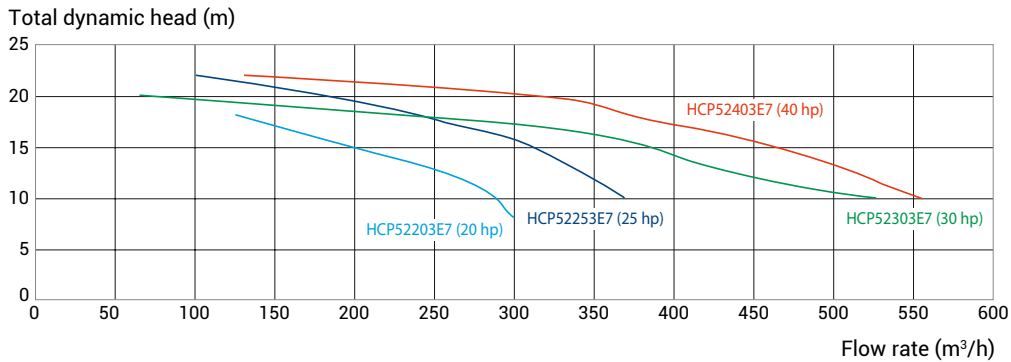
- Installation in horizontal or vertical position
- ▶ 20 hp to 40 hp
- ▶ 1500 rpm
- ▶ Pump material: Cast Iron
- ▶ Impeller material: Bronze



➤ HCP5200 SERIES SERIES Dimensions



➤ HCP5200 SERIES Curves - large models



➤ HCP5200 SERIES Performance table

Reference	hp	Amperage (A)		Head (m)								Connection flanges	
		400/700V		8	10	12	14	16	18	20	22	Inlet	Outlet
		A	A	Flow Rate (m³/h)								DN	DN
HCP52203E7	20	27.3	15.8	299	287	262	222	171	126	-	-	250	125
HCP52253E7	25	33.5	19.4	-	369	349	324	297	240	184	101	250	125
HCP52303E7	30	39.7	23	-	528	451	403	357	244	66	-	300	150
HCP52403E7	40	53.8	31.2	-	556	521	487	440	375	316	131	300	150

P2: Nominal Power

HCP5200 SERIES

1500 rpm pumps - large models

2
YEARS OF WARRANTY

☛ HCP5200 SERIES Table of dimensions

Reference		DIMENSIONS (mm)															Prefilter capacity	Weight
	P2	Inlet flange					Outlet flange				Pump dimensions							
	hp	DN	Df	k	s	DN	Df	k	s	A	E	G	H	Hf	L	Lf		
HCP52203E7	20	250	395	350	12 x 23	125	250	210	8 x 19	140	665	605	250	328	963	570	93	319
HCP52253E7	25	250	395	350	12 x 23	125	250	210	8 x 19	140	665	605	250	328	963	570	93	335
HCP52303E7	30	300	445	400	12 x 23	150	280	240	8 x 23	160	665	655	280	328	893	570	93	361
HCP52403E7	40	300	445	400	12 x 23	150	280	240	8 x 23	160	665	655	280	328	1071	570	93	387

P2: Nominal Power / Df: Outer diameter of the flange / k: Circle of the centers of the bores / s: Bores (Quantity x diameter)

☛ HCP5200 SERIES Packaging dimensions (pallets)

HCP5200 SERIES 2 to 3 hp
HCP5223E24
HCP5233E24

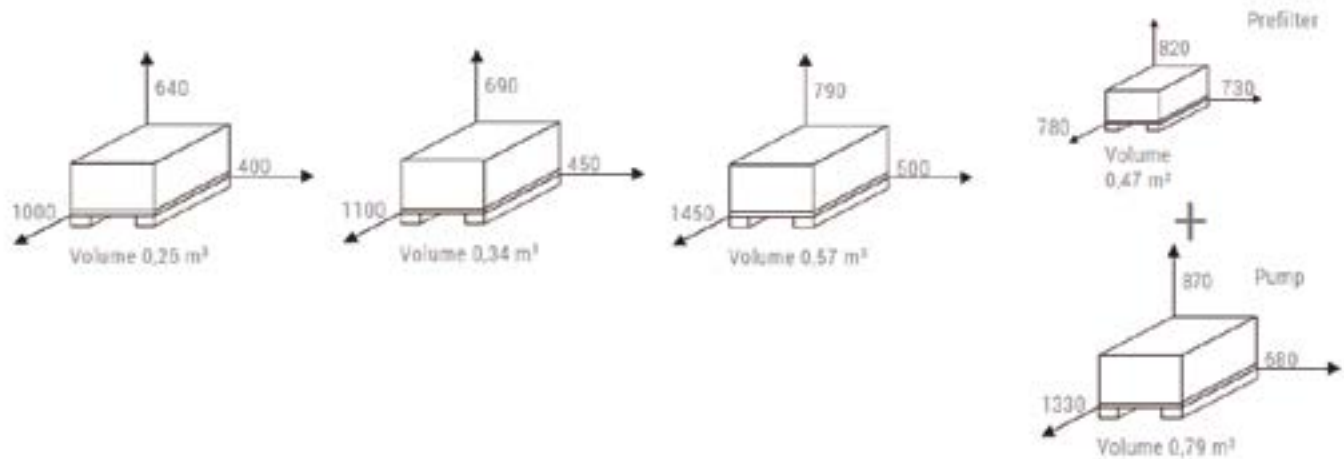
HCP5200 SERIES 4 to 5.5 hp
HCP5243E24
HCP5253E7

HCP5200 SERIES 7.5 to 15 hp
HCP52753E7
HCP52103E7
HCP521253E7
HCP52153E7

HCP62103E7
HCP621253E7
HCP62153E7

HCP5200 SERIES 20 to 40 hp
HCP52203E7
HCP52303E7

HCP52253E7
HCP52403E7



HCP5000 SERIES

3000 rpm pumps

2
YEARS OF WARRANTY



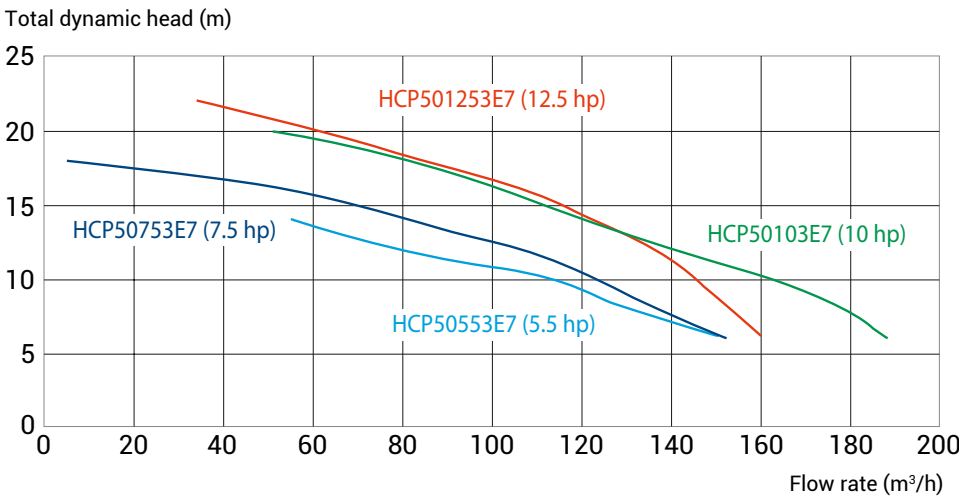
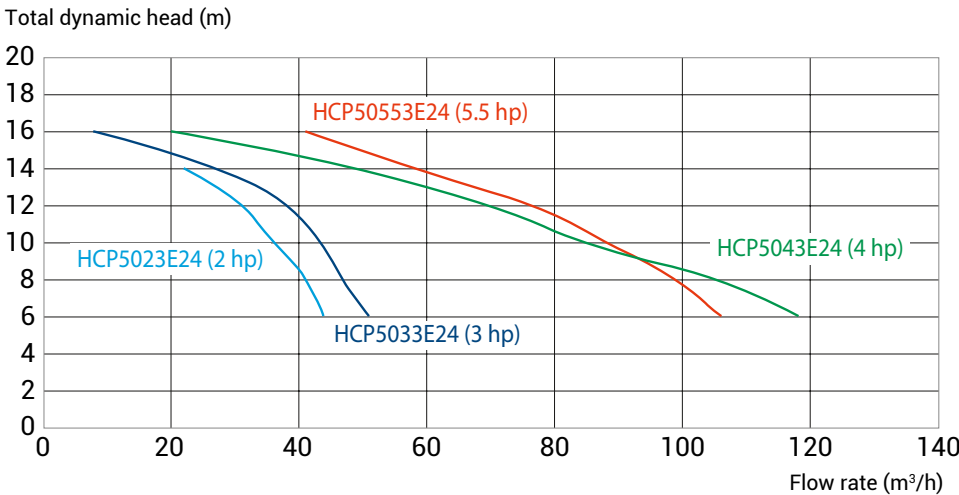
The solution for Commercial Pools

- Brass and bronze impellers as standard
- All cast Iron parts include electrolytic coating for high resistance to corrosion
- Stainless steel prefilter basket
- Pump provided with prefilter and coupling kit
- Max flow: 160 m³/h
- Carbon mechanical seal
- For 60 Hz, please contact us
- European Market IE3, efficiency motors

IE3 ✓

- ▶ 2 hp to 12.5 hp
- ▶ 3000 rpm
- ▶ Pump material: Cast Iron
- ▶ Impeller material: Bronze

☛ HCP5000 SERIES Curves



HCP4000 SERIES

3000 rpm pumps

2
YEARS OF WARRANTY

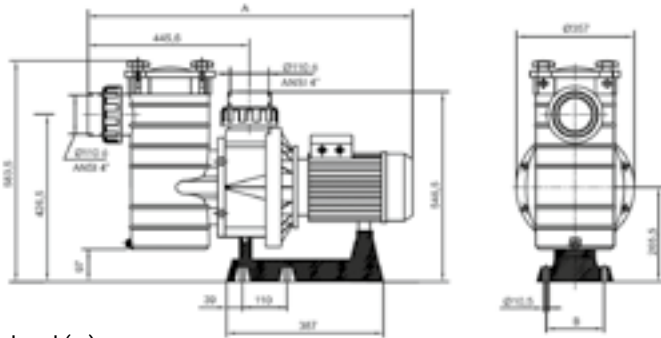


IE3

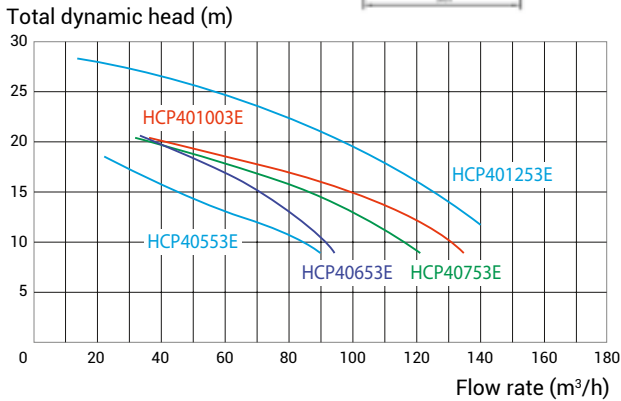
- ▶ 5.5 hp to 12.5 hp
- ▶ 3000 rpm
- ▶ Pump material: thermoplastic pumps

High-capacity pumps

- Self-priming centrifugal pump made of glass-fibre reinforced thermoplastics
- Light weight and easy to install
- The three-phase motors are compliant with the IE3 standard
- High-performance hydraulics
- Turbine made of reinforced Noryl
- This pump is suitable for salt water and sea water
- High-performance TEFC motor
- High-capacity strainer (14 l) with transparent cover for easy maintenance
- Elevated base to ensure proper motor ventilation
- Operates at 50 Hz / 3000 rpm, IP55, class F insulation
- For 60 Hz, please contact us. ANSI connectors can be provided under request
- Uses: very large pools, spas, water features



HCP4000 SERIES Curves



Reference	P2 (HP)	P1 (kW)	Flow rate* (m³/h)	Inlet / Outlet (mm)	Weight (kg)	Motor	Amperage (A)	Dim A (mm)	Dim B (mm)	Packaging dimensions (mm)	Qty. per pallet (uds)
HCP40553E1	5.5	4.7	64.0	110	45	Three-phase 400 / 700V	9.0 / 5.2	889	143	940 x 390 x 620	6
HCP40653E1	6.5	5.8	84.2	110	46	Three-phase 400 / 700V	11.5 / 6.6	914	143	940 x 390 x 620	6
HCP40753E1	7.5	7.0	104.5	110	52	Three-phase 400 / 700V	12.1 / 7.0	914	143	940 x 390 x 620	6
HCP401003E1	10	8.7	115.6	110	66	Three-phase 400 / 700V	15.8 / 9.2	944	185	940 x 390 x 620	3
HCP401253E1	12.5	10.2	137	110	76	Three-phase 400 / 700V	18 / 10.4	984	181.5	-	3
HCP40553E	5.5	4.7	64.0	110	45	Three-phase 400 / 700V	9.0 / 5.2	914	143	940 x 390 x 620	6
HCP40653E	6.5	5.9	84.2	110	46	Three-phase 400 / 700V	11.5 / 6.6	914	143	940 x 390 x 620	6
HCP40753E	7.5	7.0	104.5	110	52	Three-phase 400 / 700V	12.1 / 7.0	914	143	940 x 390 x 620	6
HCP401003E	10	8.7	115.6	110	66	Three-phase 400 / 700V	15.8 / 9.2	944	185	940 x 390 x 620	3
NEW HCP401253E	12.5	10.2	137	110	76	Three-phase 400 / 700V	18 / 10.4	984	181.5	-	3

*under 12 m water column pressure / P1: Power input / P2: Nominal power

HCP3800 SERIES

3000 rpm pumps

2
YEARS OF WARRANTY

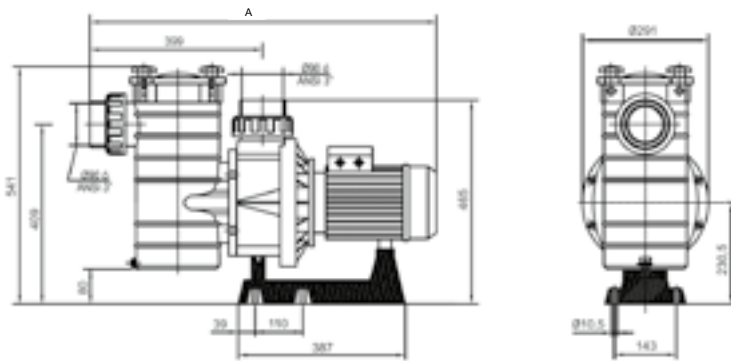


IE3

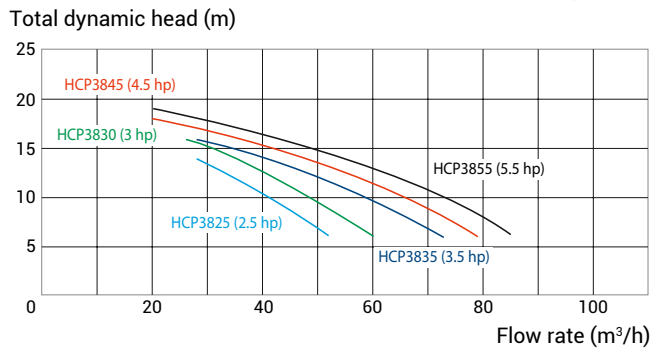
- ▶ 2.5 hp to 5.5 hp
- ▶ 3000 rpm
- ▶ Pump material: thermoplastic pumps

Light weight and easy to install

- Pump made of glass-fibre reinforced thermoplastics
- The three-phase motors are compliant with the IE3 standard
- Turbine made of reinforced Noryl
- This pump is suitable for salt water and sea water
- Strainer with transparent cover for easy maintenance
- Elevated base to ensure proper motor ventilation
- Operates at 50 Hz / 3000 rpm, IP55, class F insulation
- For 60 Hz, please contact us. ANSI connectors can be provided under request.
- Uses: large pools, spas, water features



HCP3800 SERIES Curves



Reference	P2 (HP)	P1 (kW)	Flow rate* (m³/h)	Inlet / Outlet (mm)	Weight (kg)	Motor	Amperage (A)	Dim A (mm)	Packaging dimensions (mm)	Qty. per pallet (uds)
HCP38251E	2.5	2.3	35	90	25.5	Single-phase 230V	12.4	760	830 x 330 x 570	12
HCP38301E	3	2.8	42	90	26.2	Single-phase 230V	14.5	760	830 x 330 x 570	12
HCP38253E1	2.5	2.3	35	90	25.5	Three-phase 230 / 400V	8.3 / 4.8	760	830 x 330 x 570	12
HCP38303E1	3	2.8	42	90	26.2	Three-phase 230 / 400V	8.8 / 5.1	760	830 x 330 x 570	12
HCP38353E1	3.5	3.7	50	90	30.5	Three-phase 230 / 400V	10.4 / 6.0	801	830 x 330 x 570	12
HCP38453E1	4.5	4.3	57	90	30.5	Three-phase 230 / 400V	11.7 / 6.75	801	830 x 330 x 570	12
HCP38553E1	5.5	4.7	67	90	35.5	Three-phase 230 / 400V	14.6 / 8.5	815	830 x 330 x 570	12
HCP38253E	2.5	2.3	35	90	-	Three-phase 230 / 400V	8.3 / 4.8	760	830 x 330 x 570	12
HCP38303E	3	2.8	42	90	-	Three-phase 230 / 400V	8.8 / 5.1	760	830 x 330 x 570	12
HCP38353E	3.5	3.7	50	90	-	Three-phase 230 / 400V	10.4 / 6.0	801	830 x 330 x 570	12
HCP38453E	4.5	4.3	57	90	-	Three-phase 230 / 400V	11.7 / 6.75	801	830 x 330 x 570	12

* under 12m water column pressure / P1: Power input / P2: Nominal Power

HCP3600 SERIES

3000 rpm pumps

2
YEARS OF WARRANTY

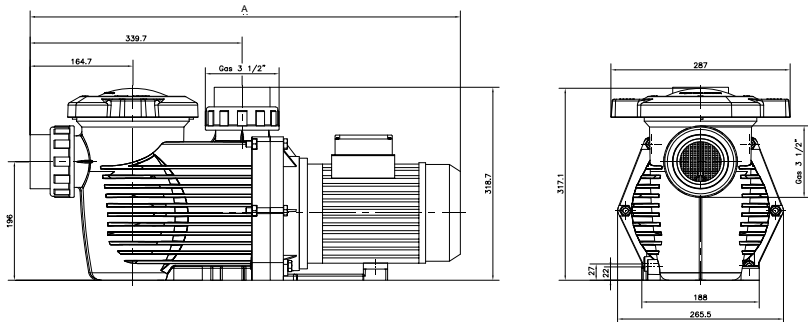


IE3 ✓

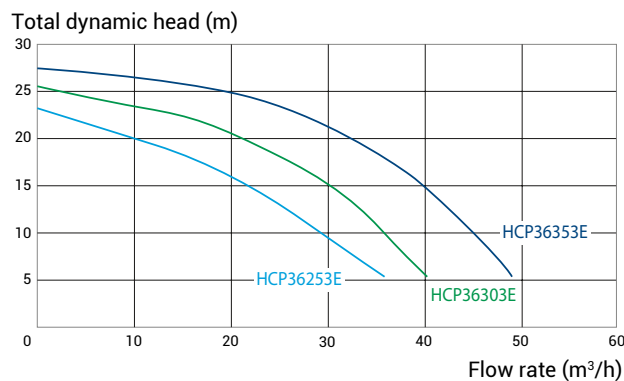
High performance TEFC

- Pump made of glass-fibre reinforced thermoplastics
- Light weight and easy to install
- The three-phase motors are compliant with the IE3 standard
- Turbine made of reinforced Noryl
- This pump is suitable for salt water and sea water
- Strainer with transparent cover for easy maintenance
- Twist-lock cover includes diameter 75 socket unions.
- Operates at 50 Hz / 3000 rpm, IP55, class F insulation
- For 60 Hz, please contact us. ANSI connectors can be provided under request
- Uses: large pools, spas, water features

- ▶ 2.5 hp to 3.5 hp
- ▶ 3.000 rpm
- ▶ Pump material: thermoplastic pumps



HCP3600 SERIES Curves



Reference	P2 (HP)	P1 (kW)	Flow rate* (m³/h)	Inlet / Outlet (mm)	Weight (kg)	Motor	Amperage (A)	Dim A (mm)	Packaging dimensions (mm)	Qty. per pallet (uds)
HCP36251E	2.5	2.4	30	75	24	Single-phase 230V	12.5	669	285 x 285 x 720	20
HCP36253E1	2.5	2.4	30	75	24	Three-phase 230 / 400V	8.3 / 4.8	669	285 x 285 x 720	20
HCP36301E	3	2.8	36	75	26	Single-phase 230V	14.5	669	285 x 285 x 720	20
HCP36303E1	3	2.8	36	75	24	Three-phase 230 / 400V	8.8 / 5.1	669	285 x 285 x 720	20
HCP36353E1	3.5	3.4	45	75	27	Three-phase 230 / 400V	12.1 / 7	710	285 x 285 x 720	20
HCP36253E	2.5	2.1	30	75	28.5	Three-phase 230 / 400V	8.3 / 4.8	669	285 x 285 x 720	20
HCP36303E	3	2.8	36	75	28.5	Three-phase 230 / 400V	8.8 / 5.1	669	285 x 285 x 720	20
HCP36353E	3.5	3.8	45	75	31.5	Three-phase 230 / 400V	12.1 / 7	710	285 x 285 x 720	20

* under 10m water column pressure / P1: Power input / P2: Nominal Power

HCP 3600 SERIES

HCP1100 SERIES

Socket connections 3000 rpm pumps without prefilter

2
YEARS OF WARRANTY

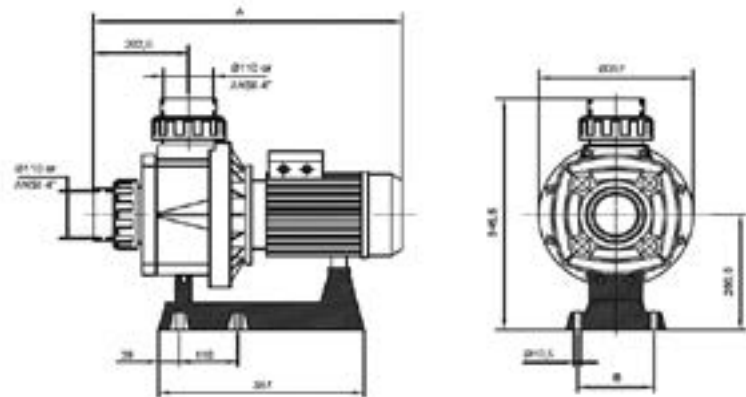


IE3 ✓

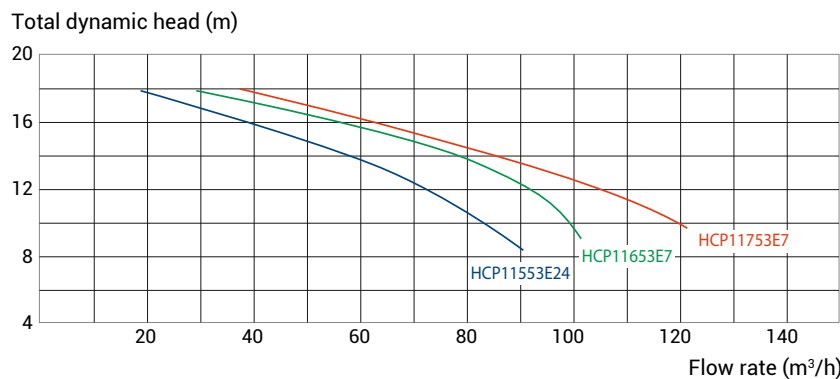
Centrifugal pumps for up stream equipment, spas

- The three-phase motors are compliant with the IE3 standard
- Hydraulic housing, diffuser, impeller and flange in glass-fibre reinforced Noryl
- Operates at 50 Hz / 3000 rpm, IP55, class F insulation
- Connections: inlet/outlet 110 mm
- ANSI connectors can be provided under request.
- Uses: up stream equipment, spas, water features

- ▶ 5.5 hp to 7.5 hp
- ▶ 3.000 rpm
- ▶ Pump material: thermoplastic pumps



HCP1100 SERIES Curves



Reference	P2 (hp)	P1 (kW)	Flow rate* (m³/h)	Inlet / Outlet (mm)	A (mm)	B (mm)	Weight (kg)	Motor	Amperage (A)	Packaging dimensions (mm)	Qty. per pallet (uds)
HCP11553E24	5.5	4.7	70	110	626	143	37	Three-phase 230/400V	15.6 / 9.0	675 x 377 x 490	12
HCP11653E7	6.5	5.8	88.5	110	626	143	38	Three-phase 400/700V	11.5 / 6.6	675 x 377 x 490	12
HCP11753E7	7.5	7.0	104	110	671	181.5	44	Three-phase 400/700V	12.1 / 7.0	675 x 377 x 490	12

*12 column pressure / P1: Power input / P2: Nominal Power

HCP 1100 SERIES

HCP1100 SERIES

Flanged connection 3000 rpm pumps without prefilter

2
YEARS OF WARRANTY



IE3 ✓

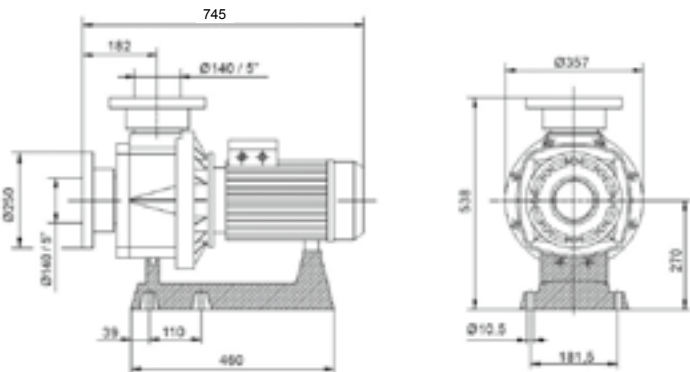
- ▶ 10 hp to 20 hp
- ▶ 3.000 rpm
- ▶ Pump material: thermoplastic pumps



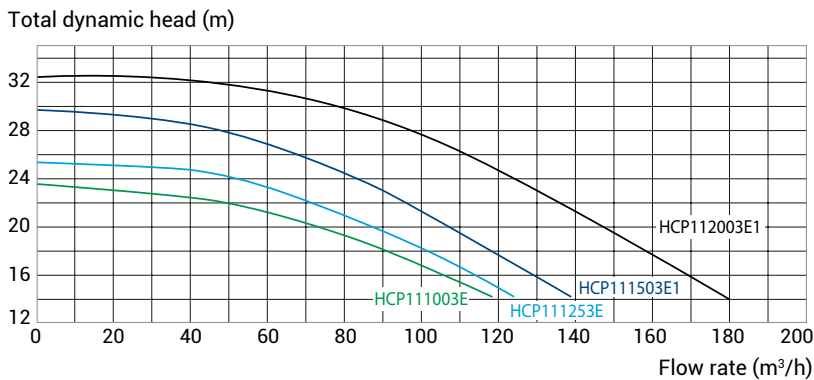
HCP1100 PUMP WITH FLANGED CONNECTION PPKT prefilter Ref. 201025140103 Coupling kit ref. 1KIT1250000 HCP 1100 SERIES + Prefilter

Centrifugal pumps for up stream equipment, spas

- The three-phase motors are compliant with the IE3 standard
- Hydraulic housing, diffuser, impeller and flange in glass-fibre reinforced Noryl, to withstand 3.5 kg/cm² working pressure
- This pump is suitable for salt water and sea water
- Operates at 50 Hz / 3000 rpm, IP55, class F insulation
- Connections: inlet/outlet flanges 140 mm
- Can be assembled with a PPKT prefilter
- Uses: up stream equipment, spas



HCP1100 Curves



Reference	P2 (HP)	P1 (kW)	Flow rate* (m³/h)	Inlet / Outlet flanges (mm)	Weight (kg)	Motor	Amperage (A)	Packaging dimensions (mm)	Qty. per pallet (uds)
HCP111003E1	10	8.7	108	140	58	Three-phase 400/700V	15.8/9.2	675 x 377 x 490	6
HCP111253E1	12.5	11	114	140	75	Three-phase 400/700V	19.2/11.1	675 x 377 x 490	6
HCP111503E1	15	13.1	130	140	78.5	Three-phase 400/700V	21.6/12.5	675 x 377 x 490	6
HCP112003E1	20	18.5	169	140	81	Three-phase 400/700V	28/16.2	675 x 377 x 490	6
HCP111003E	10	8.7	108	140	58	Three-phase 400/700V	15.8/9.2	675 x 377 x 490	6
HCP111253E	12.5	11	114	140	75	Three-phase 400/700V	19.2/11.1	675 x 377 x 490	6

*under 16m water column pressure / P1: Power input / P2: Nominal power

Reference	Reference coupling kit	Capacity (liters)	Inlet Outlet flanges (mm)	Weight (kg)	Volume (m³)
201025140103	1KIT1250000	25	140	34	0.450

HCP1000 SERIES

3000 rpm pumps without prefilter

2
YEARS OF WARRANTY

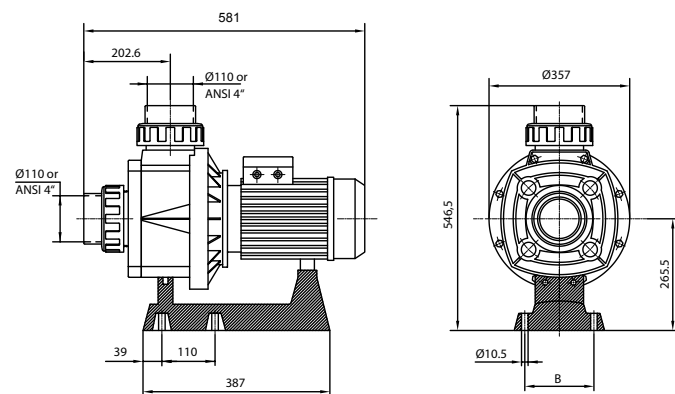


IE3 ✓

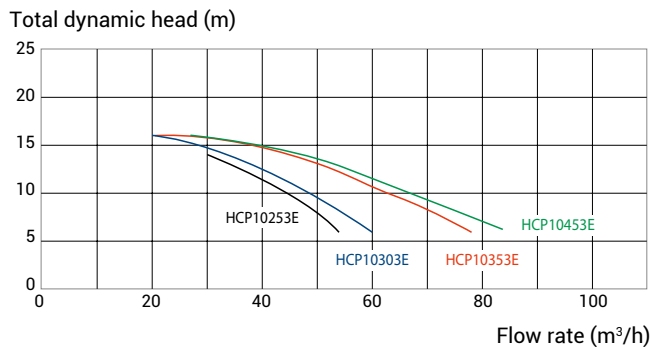
- ▶ 2.5 hp to 4.5 hp
- ▶ 3.000 rpm
- ▶ Pump material: thermoplastic pumps

Centrifugal pumps for up stream equipment, spas

- The three-phase motors are compliant with the IE3 standard
- Turbine made of reinforced Noryl
- This pump is suitable for salt water and sea water
- Thermoset plastic hydraulic housing
- Operates at 50 Hz / 3000 rpm, IP55, class F insulation
- Connections: inlet/outlet 90 mm. ANSI connectors can be provided under request.
- Uses: up stream equipment, spas



HCP1000 Curves



Reference	P2 (hp)	P1 (kW)	Flow rate* (m³/h)	Inlet / Outlet (mm)	Weight (kg)	Motor	Amperage (A)	Packaging dimensions (mm)	Qty. per pallet (uds)
HCP10251E	2.5	2.3	44	90	24.8	Single-phase 230V	12.4	610 x 320 x 450	18
HCP10301E	3	2.8	48	90	26.8	Single-phase 230V	14.5	610 x 320 x 450	18
HCP10253E1	2.5	2.3	44	90	21.5	Three-phase 230 / 400V	8.3/4.8	610 x 320 x 450	18
HCP10303E1	3	2.8	48	90	21.5	Three-phase 230 / 400V	8.8/5.1	610 x 320 x 450	18
HCP10353E1	3.5	3.7	63	90	26.8	Three-phase 230 / 400V	10.4/6	610 x 320 x 450	18
HCP10453E1	4.5	4.3	67	90	26.8	Three-phase 230 / 400V	11.7/6.8	610 x 320 x 450	18
HCP10253E	2.5	2.3	44	90	-	Three-phase 230 / 400V	8.3/4.8	610 x 320 x 450	18
HCP10303E	3	2.8	48	90	-	Three-phase 230 / 400V	8.8/5.1	610 x 320 x 450	18
HCP10353E	3.5	3.7	63	90	-	Three-phase 230 / 400V	10.4/6	610 x 320 x 450	18
HCP10453E	4.5	4.3	67	90	-	Three-phase 230 / 400V	11.7/6.8	610 x 320 x 450	18

* under 10m water column pressure / P1: Power input / P2: Nominal power

HCP0900 SERIES

3000 rpm pumps without prefilter

2
YEARS OF WARRANTY

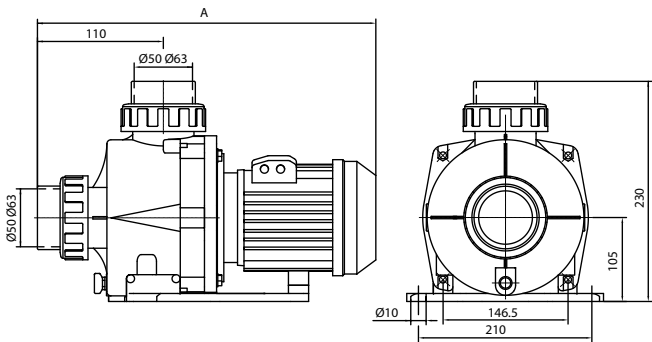


IE3 ✓

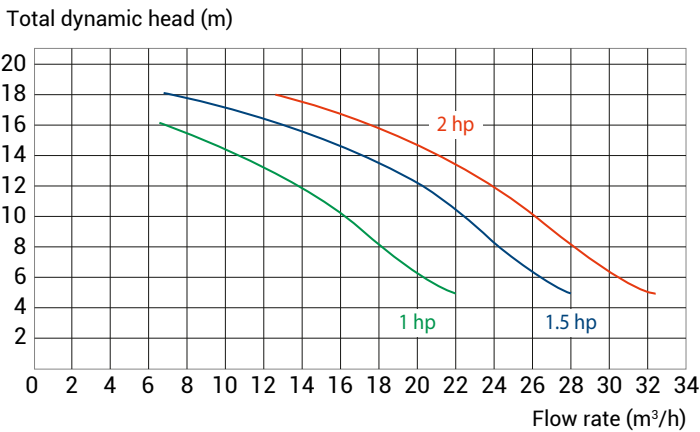
Centrifugal pumps for up stream equipment, spas

- The three-phase motors are compliant with the IE3 standard
- Turbine made of reinforced Noryl with 303 stainless steel insert
- This pump is suitable for salt water and sea water
- TEFC motor IP55, class F insulation
- Possibility of connecting the pump by means of diameter 50 or 63 mm socket unions
- Mechanical seal AISI 316
- Usages: up stream equipment, spas

- ▶ 1 hp to 2 hp
- ▶ 3.000 rpm
- ▶ Pump material: thermoplastic pumps



HCP0900 Curves



Reference	P2 (HP)	P1 (kW)	Flow rate* (m³/h)	Inlet / Out-let (mm)	Weight (kg)	Motor	Amperage (A)	Dim A (mm)	Packaging dimensions (mm)	Qty. per pallet (uds)
HCP09101E	1	1	15.9	50/63	12	Single-phase 230V	5	412	460 x 250 x 245	25
HCP09151E	1.5	1.6	22.4	50/63	14.5	Single-phase 230V	7.5	442	460 x 250 x 245	25
HCP09201E	2	1.92	26.2	50/63	15.5	Single-phase 230V	9	442	460 x 250 x 245	25
HCP09203E1	2	1.92	26.2	50/63	15	Three-phase 230/400V	5/2.9	442	460 x 250 x 245	25
HCP09203E	2	1.92	26.2	50/63	15	Three-phase 230/400V	5/2.9	442	460 x 250 x 245	25

IE3 ✓

* under 10m water column pressure

PREFILTERS

Cast Iron prefilters

2
YEARS OF WARRANTY



KF MODEL
While stocks last



In-line prefilter
Used in pumps series
HCP5000, HCP5200 and
HCP7200



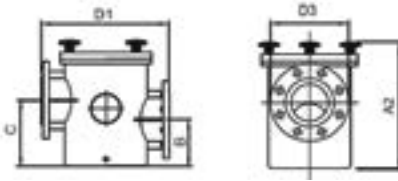
High Capacity prefilter
Used in pumps series
HCP5200, HCP5200, and
HCP7200



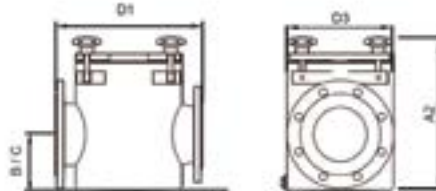
Coupling kit

Broad range of cast iron prefilters with stainless steel basket

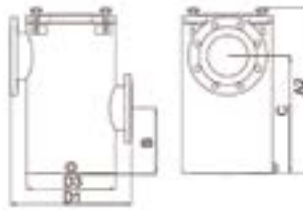
- The basic cast iron prefilter with flanges DN100 PN16 according to DIN 2502 standard in various heights.



- The in-line prefilters facilitate their installation having both the inlet and the outlet connections at the same height. These prefilters have an electrolytic coating for a high resistance to corrosion.



- The high capacity prefilters are the solution for the high flow rate pumps. These prefilters also have an electrolytic coating for a high resistance to corrosion.



- We strongly recommend to order the coupling kits together with the prefilters, in order to facilitate assembly. The coupling kit includes a rubber flat gasket with the stainless steel nuts, screws and washers required for correct assembly.

Model	Prefilter	Capacity (liters)	Coupling kits		Flanges		Dimensions					Weight (kg)
			Inlet flange	Outlet flange	Inlet DN	Outlet DN	A2	B	C	D1	D3	
KF MODEL	200500110001	11	1KIT1000000	1KIT1000000	100	100	365	160	215	367	220	38
IN-LINE PREFILTER	13530600002	11	1KIT1000000	1KIT0650000	100	65	320	120	120	300	210	23
	13531000002	11	1KIT1000000	1KIT1000000	100	100	320	120	120	300	210	24
	13541000002	13.5	1KIT1250000	1KIT1000000	125	100	370	132	132	345	250	35
	13541200002	13.5	1KIT1250000	1KIT1250000	125	125	370	132	132	345	250	36
HIGH CAPACITY PREFILTER	13551200002	42	1KIT1500000	1KIT1250000	150	125	610	240	430	445	330	76
	13551500002	42	1KIT1500000	1KIT1500000	150	150	610	240	430	445	330	77

PREFILTERS

Thermoplastic prefilters

2
YEARS OF WARRANTY



PK MODEL

PK Prefilter Series

- PK Prefilter series, made in thermoplastic injection, lid in transparent polycarbonate. The closing of the lid is made by four hinged cover-screws with stainless steel studs. Basket in white colour injected plastic material.
 - Included union in the inlet, flange in the outlet and drain plug
- PK Prefilter 8 liters is used in pumps series HCP3800
Pk Prefilter 14 liters is used in pumps series HCP4000 and HCP4200



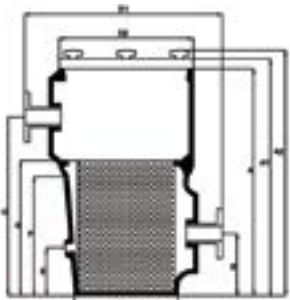
PPL MODEL

PPL Prefilter Series

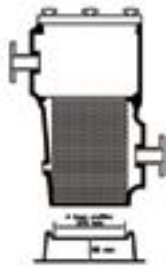
- The large capacity PPL prefilter series are made in laminated polyester and transparent methacrylate lid. The closing of the lid is made by four coverscrews and a drain plug is supplied. Maximum working pressure 1.5 bar. Basket in stainless steel



PPKT MODEL



PPL MODEL



PPKT MODEL

Model	Reference	Capacity (liters)	Inlet (mm)	Outlet (mm)	Dimensions											Weight (kg)	Volume (m³)
					A	A1	A2	B	C	D1	D2	D3	E	F	G		
PK	200108090003	8	90*	110	-	-	-	-	-	-	-	-	-	-	-	5	0.041
PK	200114110000	14	110*	125	-	-	-	-	-	-	-	-	-	-	-	7	0.057
PPL	201025090003	25	90	90	710	750	800	195	590	580	410	270	140	335	395	33	0.210
PPL	201025110003	25	110	110	710	750	800	195	590	580	410	270	140	335	395	33	0.210
PPL	201025125003	25	125	125	710	750	800	195	590	580	410	270	140	335	395	33	0.210
PPL	201025140003	25	140	140	710	750	800	195	590	580	410	270	140	335	395	33	0.390
PPL	201060160003	60	160	160	915	955	1005	250	720	630	520	410	190	480	545	48	0.390
PPL	201060200003	60	200	200	915	955	1005	250	720	630	520	410	190	480	545	48	0.390
PPL	201060225003	60	225	225	915	955	1005	250	720	630	520	410	190	480	545	48	0.390
PPKT(*)	201025140103	25	140	140	795	835	885	285	675	580	410	270	225	420	480	33	0.390

*Recommended to be used with coupling kit 1KIT1250000.

ACCESSORIES

Commercial pumps

2
YEARS OF WARRANTY



Flanged rubber expansion joint

Expansion joint made from elastic material allowing compensation of dilatations and small misalignments in the installation. It can also compensate the vibrations and noise in the pipeline produced by the pump. The loose flanges made of galvanized carbon steel have installation bores in compliance with standards DIN 2502 (PN16) up to diameter DN150, and DIN 2576 (PN10) from DN200 to DN300. EPDM rubber bellows seal the connection. The use of the flanged rubber expansion joints is indicated in particular for the installation of the cast iron pumps to the pipeline.

ITEM	DESCRIPTION
905603010050	Flanged rubber expansion joint for DN50
905603010065	Flanged rubber expansion joint for DN65
905603010080	Flanged rubber expansion joint for DN80
905603010100	Flanged rubber expansion joint for DN100
905603010125	Flanged rubber expansion joint for DN125
905603010150	Flanged rubber expansion joint for DN150
905603010200	Flanged rubber expansion joint for DN200
905603010250	Flanged rubber expansion joint for DN250
905603010300	Flanged rubber expansion joint for DN300



Union kits

The union kits are the couplings used to connect the pumps with threaded connections to the pipeline. These union kits are composed by an O-Ring, who ensures the sealing, a coupling sleeve that fits with the pipe of the installation, and a nut that tightens the assembly. As standard, the 50Hz pumps are supplied with DIN couplings for Ø90mm and Ø110mm, according to the model of the pump. Optionally, the coupling kits also can be provided according to ANSI sizes.

ITEM	REFERENCE ACCORDING TO ANSI STANDARD
500100150001	RPUM2425.01R union kit 3" ANSI for HCP3800 & HCP1000
500100150003	RPUM2425.12R union kit 4" ANSI for HCP4000, HCP4200 & HCP1100



Lineal check valves with transparent sight glass

These flap valves are typically installed at the outlet of the pumps to avoid the water hammers that may occur in the pump stops. This check valve includes a sight glass body made of transparent plastic that allows viewing the inside of the pipe, as well as the state of the flap valve.

ITEM	DESCRIPTION
HCVRL63	Lineal check valve Netvitc D.63mm Sight Glass 63 mm
HCVRL75	Lineal check valve Netvitc D.75mm Sight Glass 63 mm
HCVRL90	Lineal check valve Netvitc D.90m Sight Glass 125 mm
HCVRL110	Lineal check valve Netvitc D.110mm Sight Glass 125 mm
HCVRL125	Lineal check valve Netvitc D.125mm Sight Glass 125 mm
HCVRL140	Lineal check valve Netvitc D.140mm Sight Glass 160 mm
HCVRL160	Lineal check valve Netvitc D.160mm Sight Glass 160 mm
HCVRL200	Lineal check valve Netvitc D.200mm Sight Glass 200 mm

BLOWERS

Single stage and two stage

2
YEARS OF WARRANTY



Single stage.
Specially indicated for backwashing
processes with air

Two stages.
Specially indicated for SPA & Wellness
applications

Blowers for constant use:

- Highly robust and easy to use
- Operates as intake or exhaust, suitable for use in conditions up to 40 °C
- Simple and rapid maintenance
- Asynchronous, single-phase or three-phase motors, insulation class F, 50 Hz, IP54, 3000 rpm
- A PTC overheating protection is included within the motors
- For 60 Hz, please contact us

	Code	Reference	P1 (kW)	Voltage (V)	Amperage (A)	Connection	Max Flow rate (mbar)	Max pressure (mbar)	Noise level (*) (dBa)	Weight (kg)
BLOWERS SINGLE STAGE	146110008001	SKH 80 M	0.4	230	2.7	1 1/4"G	80	130	53	11
	146110008003	SKH 80 T1	0.4	230/400	2.6 / 1.5	1 1/4"G	80	130	53	10
	146110014003	SKH 140 T1	0.75	230/400	3.7 / 2.1	1 1/2"G	144	190	63	15
	146110014401	SKH 144 M	0.75	230	5.5	1 1/2"G	144	190	63	16
	146110025001	SKH 250 M	1.3	230	7.3	2"G	210	170	64	22
	146110025003	SKH 250 T1	1.3	230/400	5.7 / 3.3	2"G	216	180	70	22
	146110025101	SKH 251 M	1.5	230	9	2"G	210	190	64	24
	146110025103	SKH 251 T1	1.75	230/400	6.7 / 3.9	2"G	216	250	70	23
	146110030003	SKH 300 T1	2.2	230/400	9.5 / 5.5	2"G	312	220	72	31
	146110030103	SKH 301 T1	3.4	230/400	12 / 6.9	2"G	312	280	72	43
	146110047503	SKH 475 T1	5.5	230/400	21 / 12	2 1/2"G	552	300	74	77
	146110055003	SKS 550 T2	7.5	400/700	15.6 / 10	2 1/2"G	552	395	74	88
BLOWERS TWO STAGE	146110100003	SKS 1000 T2	13	400/700	27 / 15.6	4"G	1134	295	76	112
	146120080201	SKH 80 2V M	0.7	230	4.5	1 1/4"G	88	240	55	15
	146120080203	SKH 80 2V T1	0.7	230/400	3.8 / 2.2	1 1/4"G	88	240	55	17
	146120090203	SKH 90 2V T1	1.5	230/400	7.5 / 4.3	1 1/4"G	87	450	61	24
	146120156203	SKS 156 2V T1	1.75	230/400	6.7 / 3.9	1 1/2"G	156	320	66	25
	146120157203	SKS 157 2V T1	2.2	230/400	7.8 / 4.5	1 1/2"G	156	390	66	28
	146120222203	SKS 222 2V T1	3.4	230/400	11.8 / 6.8	2"G	222	410	74	40
	146120400203	SKH 400 2V T1	4	230/400	14.3 / 8.3	2"G	312	380	75	55
	146120475203	SKS 475 2V T1	5.5	230/400	21 / 12	2"G	312	530	75	75
	146120570203	SKH 570 2V T2	13	400/700	27 / 15.6	2 1/2"G	576	600	76	146

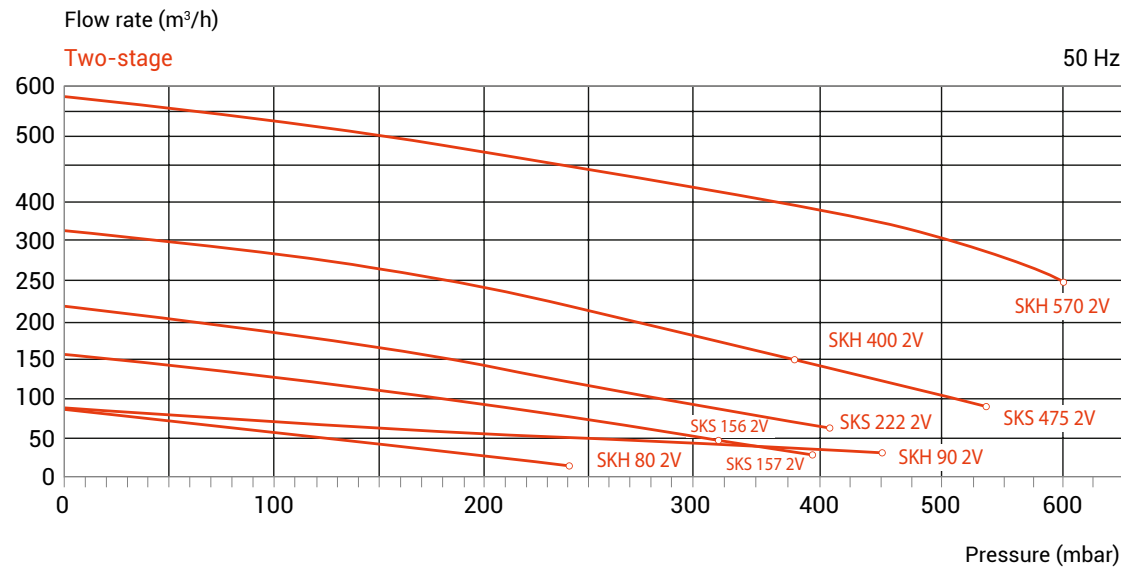
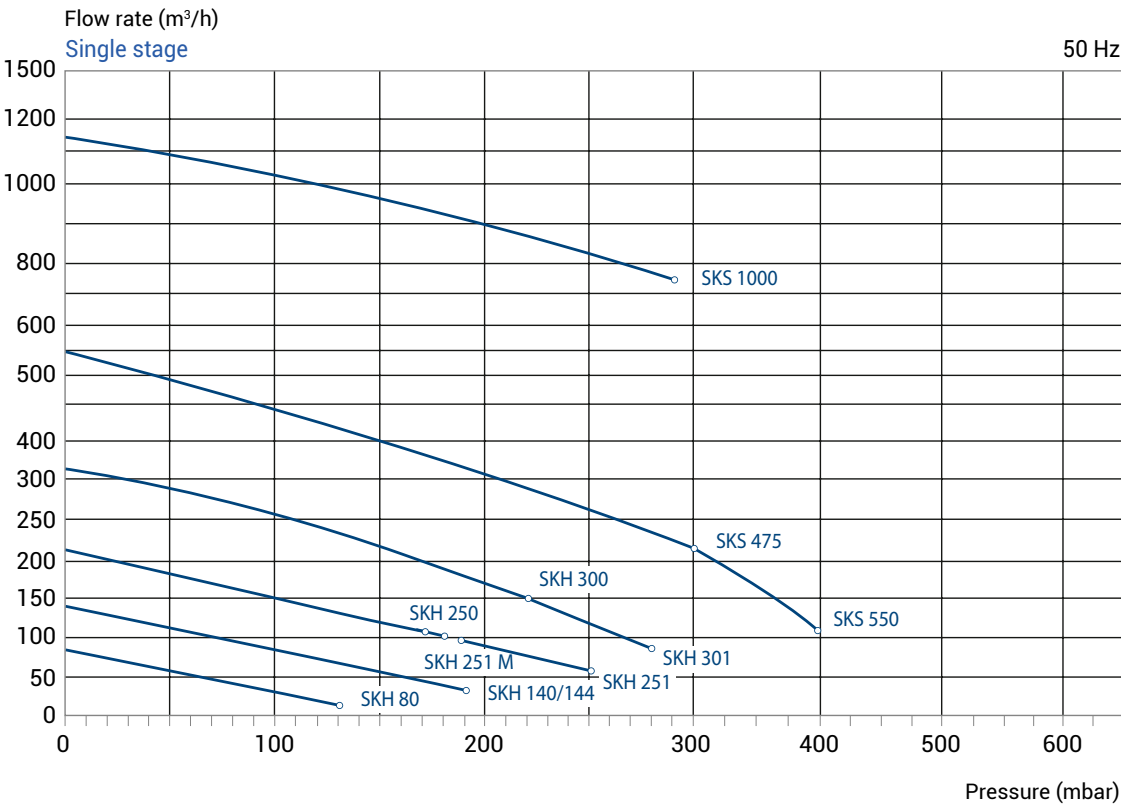
P1: Absorbed power (*) Noise level measured according to standard ISO 3744 (1m with hoses connected)

BLOWERS

Single stage and two stage

2
YEARS OF WARRANTY

Curves

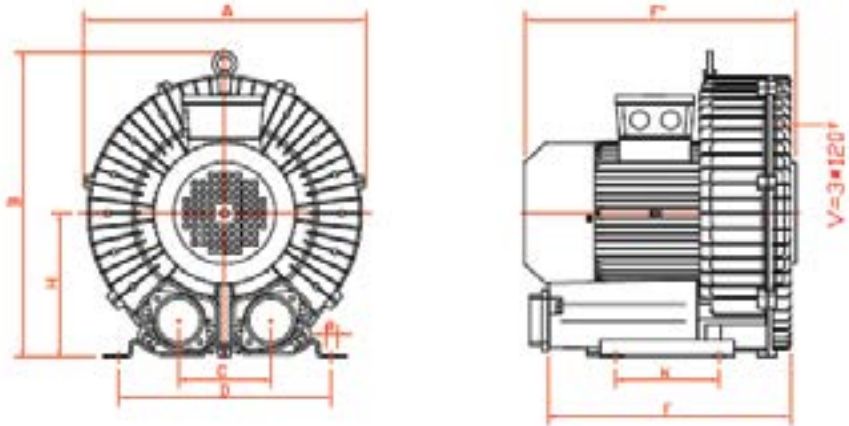


BLOWERS

Single stage and two stage

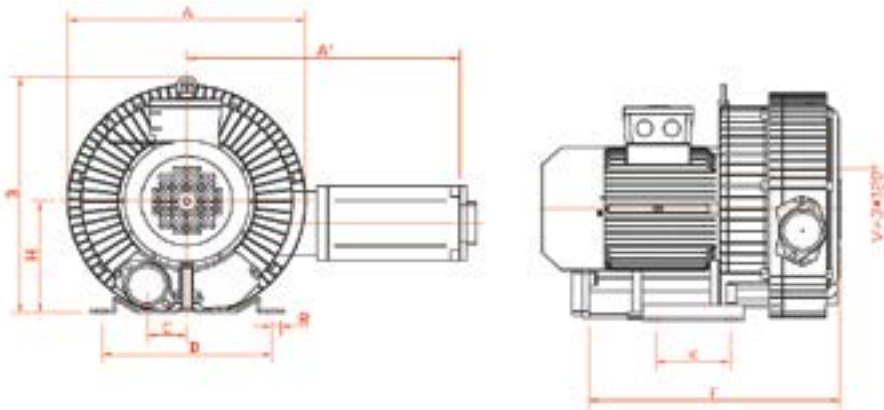
2
YEARS OF WARRANTY

➤ Dimensions single stage blowers



Code	Reference	A	A'	B	C	D	F	H	K	R
146110008001	SKH 80 M	245	249	92	205	226	-	130	83	Ø10
146110008003	SKH 80 T1	245	249	92	205	226	-	130	83	Ø10
146110014003	SKH 140 T1	284	300	115	225	238	-	152	95	Ø12
146110014401	SKH 144 M	284	300	115	225	238	-	152	95	Ø12
146110025001	SKH 250 M	332	338	122	260	300	-	176	115	Ø14
146110025003	SKH 250 T1	332	338	122	260	300	-	176	115	Ø14
146110025101	SKH 251 M	332	338	122	260	300	-	176	115	Ø14
146110025103	SKH 251 T1	332	338	122	260	300	-	176	115	Ø14
146110030003	SKH 300 T1	383	415	125	290	338	-	196	140	Ø15
146110030103	SKH 301 T1	383	415	125	290	338	-	196	140	Ø15
146110047503	SKH 475 T1	466	566	147	365	461.5	-	270	280	16
146110055003	SKS 550 T2	466	556	147	365	461.5	-	270	280	16
146110100003	SKS 1000 T2	560	630	210	360	663	710	305	600	16

➤ Dimensions two-stage blowers



Code	Reference	A	A'	B	C	D	F	H	K	R
146120080201	SKH 80 2V M	284	303	272	46	205	293	130	83	Ø10
146120080203	SKH 80 2V T1	284	303	272	46	205	293	130	83	Ø10
146120090203	SKH 90 2V T1	363	-	377	125	315	390	197	130	Ø14
146120156203	SKS 156 2V T1	321	315.5	312.5	57.5	225	314	152	95	Ø12
146120157203	SKS 157 2V T1	321	315.5	312.5	57.5	225	314	152	95	Ø12
146120222203	SKS 222 2V T1	364	417.5	371	61	260	385.5	156.5	115	Ø14
146120400203	SKH 400 2V T1	424	427	415	62.5	290	434	156.5	140	Ø15
146120475203	SKS 475 2V T1	424	427	415	62.5	290	434	163	140	Ø15
146120570203	SKH 570 2V T2	486	372	556	144	365	700	313	280	16

BLOWERS

Single stage and two stage

2
YEARS OF WARRANTY

➤ Accessories for the blower pumps



Air filter kit

- Designed for environments where the dust and other particles in the air might cause problems either to the blower pumps or to the installation.
- Simple and easy to install, with quick lock cover, allows a rapid cleaning and maintenance of the cartridge filter.
- It uses standard cartridges with a large filtration surface.
- The kit includes the filter and the appropriate accessories and components for connecting the blower.

Reference	Max.Flow rate (m³/h)	Connection	Weight (kg)
114112AH	90	1-1/4"	0.7
112112AH	170	1-1/2"	0.9
200200AH	300	2"	1.5
212212AH	480	2-1/2"	2.2
400400AH	1800	4"	5.5

SUMMARY COMMERCIAL PUMPS

Cast Iron Pumps



Reference	Nominal power P2 (hp)	Tension (V)	Rotation speed (rpm)	Flow rate at 12 m.w.c. (m³/h)	Connection	Inlet	Outlet	Prefilter	Pump material	Impeller material	Efficiency
Serie - HCP7200											
HCP72753E7	7.5	400/700	1500	41 (*)	Flange	DN 80	DN 50	✓	CAST IRON	BRONZE	IE3
HCP72103E7	10	400/700	1500	74 (*)	Flange	DN 80	DN 65	✓	CAST IRON	BRONZE	IE3
HCP72153E7	15	400/700	1500	104 (*)	Flange	DN 80	DN 65	✓	CAST IRON	BRONZE	IE3
HCP82203E7	20	400/700	1500	173 (*)	Flange	DN 125	DN 100	✓	CAST IRON	BRONZE	IE3
HCP72203E7	20	400/700	1500	202 (*)	Flange	DN 150	DN 125	✓	CAST IRON	BRONZE	IE3
HCP72253E7	25	400/700	1500	186 (**)	Flange	DN 150	DN 125	✓	CAST IRON	BRONZE	IE3
HCP72303E7	30	400/700	1500	244 (**)	Flange	DN 150	DN 125	✓	CAST IRON	BRONZE	IE3
HCP72403E7	40	400/700	1500	325 (**)	Flange	DN 150	DN 125	✓	CAST IRON	BRONZE	IE3
Serie - HCP5200											
HCP5223E124	2	230/400	1500	24	Flange	DN 100	DN 50	✓	CAST IRON	BRONZE	IE1
HCP5223E24	2	230/400	1500	24	Flange	DN 100	DN 50	✓	CAST IRON	BRONZE	IE3
HCP5233E124	3	230/400	1500	36	Flange	DN 100	DN 50	✓	CAST IRON	BRONZE	IE1
HCP5233E24	3	230/400	1500	36	Flange	DN 100	DN 50	✓	CAST IRON	BRONZE	IE3
HCP5243E124	4	230/400	1500	46	Flange	DN 100	DN 80	✓	CAST IRON	BRONZE	IE1
HCP5243E24	4	230/400	1500	46	Flange	DN 100	DN 80	✓	CAST IRON	BRONZE	IE3
HCP52553E17	5.5	400/700	1500	70	Flange	DN 100	DN 80	✓	CAST IRON	BRONZE	IE1
HCP52553E7	5.5	400/700	1500	70	Flange	DN 100	DN 80	✓	CAST IRON	BRONZE	IE3
HCP52753E17	7.5	400/700	1500	97	Flange	DN 125	DN 100	✓	CAST IRON	BRONZE	IE1
HCP52753E7	7.5	400/700	1500	97	Flange	DN 125	DN 100	✓	CAST IRON	BRONZE	IE3
HCP52103E17	10	400/700	1500	117	Flange	DN 125	DN 100	✓	CAST IRON	BRONZE	IE1
HCP52103E7	10	400/700	1500	117	Flange	DN 125	DN 100	✓	CAST IRON	BRONZE	IE3
HCP521253E17	12.5	400/700	1500	154	Flange	DN 150	DN 100	✓	CAST IRON	BRONZE	IE1
HCP521253E7	12.5	400/700	1500	154	Flange	DN 150	DN 100	✓	CAST IRON	BRONZE	IE3
HCP52153E17	15	400/700	1500	169	Flange	DN 150	DN 100	✓	CAST IRON	BRONZE	IE1
HCP52153E7	15	400/700	1500	169	Flange	DN 150	DN 100	✓	CAST IRON	BRONZE	IE3
HCP62103E17	10	400/700	1500	121	Flange	DN 150	DN 125	✓	CAST IRON	BRONZE	IE1
HCP62103E7	10	400/700	1500	121	Flange	DN 150	DN 125	✓	CAST IRON	BRONZE	IE3
HCP621253E17	12.5	400/700	1500	152	Flange	DN 150	DN 125	✓	CAST IRON	BRONZE	IE1
HCP621253E7	12.5	400/700	1500	152	Flange	DN 150	DN 125	✓	CAST IRON	BRONZE	IE3
HCP62153E17	15	400/700	1500	221	Flange	DN 150	DN 125	✓	CAST IRON	BRONZE	IE1
HCP62153E7	15	400/700	1500	221	Flange	DN 150	DN 125	✓	CAST IRON	BRONZE	IE3
HCP52203E17	20	400/700	1500	262	Flange	DN 250	DN 125	✓	CAST IRON	BRONZE	IE1
HCP52203E7	20	400/700	1500	262	Flange	DN 250	DN 125	✓	CAST IRON	BRONZE	IE3
HCP52253E17	25	400/700	1500	349	Flange	DN 250	DN 125	✓	CAST IRON	BRONZE	IE1
HCP52253E7	25	400/700	1500	349	Flange	DN 250	DN 125	✓	CAST IRON	BRONZE	IE3
HCP52303E17	30	400/700	1500	451	Flange	DN 300	DN 125	✓	CAST IRON	BRONZE	IE1
HCP52303E7	30	400/700	1500	451	Flange	DN 300	DN 125	✓	CAST IRON	BRONZE	IE3
HCP52403E17	40	400/700	1500	521	Flange	DN 300	DN 125	✓	CAST IRON	BRONZE	IE1
HCP52403E7	40	400/700	1500	521	Flange	DN 300	DN 125	✓	CAST IRON	BRONZE	IE3
Serie - HCP5000											
HCP5023E124	2	230/400	3000	31	Flange	DN 80	3"	✓	CAST IRON	BRASS	IE1
HCP5023E24	2	230/400	3000	31	Flange	DN 80	3"	✓	CAST IRON	BRASS	IE3
HCP5033E124	3	230/400	3000	38	Flange	DN 80	3"	✓	CAST IRON	BRASS	IE1
HCP5033E24	3	230/400	3000	38	Flange	DN 80	3"	✓	CAST IRON	BRASS	IE3
HCP5043E124	4	230/400	3000	70	Flange	DN 100	DN 100	✓	CAST IRON	BRONZE	IE1
HCP5043E24	4	230/400	3000	70	Flange	DN 100	DN 100	✓	CAST IRON	BRONZE	IE3
HCP50553E124	5.5	230/400	3000	76	Flange	DN 100	DN 100	✓	CAST IRON	BRONZE	IE1
HCP50553E24	5.5	230/400	3000	76	Flange	DN 100	DN 100	✓	CAST IRON	BRONZE	IE3
HCP50553E17	5.5	400/700	3000	79	Flange	DN 125	DN 100	✓	CAST IRON	BRONZE	IE1
HCP50553E7	5.5	400/700	3000	79	Flange	DN 125	DN 100	✓	CAST IRON	BRONZE	IE3
HCP50753E17	7.5	400/700	3000	106	Flange	DN 125	DN 100	✓	CAST IRON	BRONZE	IE1
HCP50753E7	7.5	400/700	3000	106	Flange	DN 125	DN 100	✓	CAST IRON	BRONZE	IE3
HCP50103E17	10	400/700	3000	140	Flange	DN 125	DN 100	✓	CAST IRON	BRONZE	IE1
HCP50103E7	10	400/700	3000	140	Flange	DN 125	DN 100	✓	CAST IRON	BRONZE	IE3
HCP501253E17	12.5	400/700	3000	136	Flange	DN 125	DN 100	✓	CAST IRON	BRONZE	IE1
HCP501253E7	12.5	400/700	3000	136	Flange	DN 125	DN 100	✓	CAST IRON	BRONZE	IE3

(*) Flow rate at 20 m.w.c. • (**) Flow rate at 24 m.w.c. • Pumps with IE1 Efficiency motor not available to be sold in the EU countries
All pumps available with 60Hz motors under request

SUMMARY COMMERCIAL PUMPS

Thermoplastic Pumps



Reference	Nominal power P2 (hp)	Tension (V)	Rotation speed (rpm)	Flow rate at 12 m.w.c. (m³/h)	Connection	Inlet	Outlet	Prefilter	Pump material	Impeller material	Efficiency
Serie - HCP4200											
HCP42553E	5.5	400/700	1500	68	Raccord	Ø110	Ø110	✓	GLASS FIBRE REINFORCED THERMOPLASTIC	NORYL	IE3
HCP42753E	7.5	400/700	1500	90	Raccord	Ø110	Ø110	✓		NORYL	IE3
HCP421003E	10	400/700	1500	104	Raccord	Ø110	Ø110	✓		NORYL	IE3
Serie - HCP4000											
HCP40553E1	5.5	400/700	3000	64	Raccord	Ø110	Ø110	✓	GLASS FIBRE REINFORCED THERMOPLASTIC	NORYL	IE1
HCP40553E	5.5	400/700	3000	64	Raccord	Ø110	Ø110	✓		NORYL	IE3
HCP40653E1	6.5	400/700	3000	84,2	Raccord	Ø110	Ø110	✓		NORYL	IE1
HCP40653E	6.5	400/700	3000	84,2	Raccord	Ø110	Ø110	✓		NORYL	IE3
HCP40753E1	7.5	400/700	3000	104,5	Raccord	Ø110	Ø110	✓		NORYL	IE1
HCP40753E	7.5	400/700	3000	104,5	Raccord	Ø110	Ø110	✓		NORYL	IE3
HCP401003E1	10	400/700	3000	115,6	Raccord	Ø110	Ø110	✓		NORYL	IE1
HCP401003E	10	400/700	3000	115,6	Raccord	Ø110	Ø110	✓		NORYL	IE3
HCP401253E1	12.5	400/700	3000	137	Raccord	Ø110	Ø110	✓		NORYL	IE1
HCP401253E	12.5	400/700	3000	137	Raccord	Ø110	Ø110	✓		NORYL	IE3
Serie - HCP3800											
HCP38251E	2.5	230	3000	35	Raccord	Ø90	Ø90	✓	GLASS FIBRE REINFORCED THERMOPLASTIC	NORYL	-
HCP38253E1	2.5	230/400	3000	35	Raccord	Ø90	Ø90	✓		NORYL	IE1
HCP38253E	2.5	230/400	3000	35	Raccord	Ø90	Ø90	✓		NORYL	IE3
HCP38301E	3	230	3000	42	Raccord	Ø90	Ø90	✓		NORYL	-
HCP38303E1	3	230/400	3000	42	Raccord	Ø90	Ø90	✓		NORYL	IE1
HCP38303E	3	230/400	3000	42	Raccord	Ø90	Ø90	✓		NORYL	IE3
HCP38353E1	3.5	230/400	3000	50	Raccord	Ø90	Ø90	✓		NORYL	IE1
HCP38353E	3.5	230/400	3000	50	Raccord	Ø90	Ø90	✓		NORYL	IE3
HCP38453E1	4.5	230/400	3000	57	Raccord	Ø90	Ø90	✓		NORYL	IE1
HCP38453E	4.5	230/400	3000	57	Raccord	Ø90	Ø90	✓		NORYL	IE3
HCP38553E1	5.5	230/400	3000	67	Raccord	Ø90	Ø90	✓		NORYL	IE1
Serie - HCP3600											
HCP36251E	2.5	230	3000	26	Raccord	Ø75	Ø75	✓	GLASS FIBRE REINFORCED THERMOPLASTIC	NORYL	-
HCP36253E1	2.5	230	3000	26	Raccord	Ø75	Ø75	✓		NORYL	-
HCP36301E	3	230/400	3000	34	Raccord	Ø75	Ø75	✓		NORYL	IE1
HCP36303E1	3	230/400	3000	34	Raccord	Ø75	Ø75	✓		NORYL	IE1
HCP36353E1	3.5	230/400	3000	43	Raccord	Ø75	Ø75	✓		NORYL	IE1
HCP36253E	2.5	230/400	3000	26	Raccord	Ø75	Ø75	✓		NORYL	IE3
HCP36303E	3	230/400	3000	34	Raccord	Ø75	Ø75	✓		NORYL	IE3
HCP36353E	3.5	230/400	3000	43	Raccord	Ø75	Ø75	✓		NORYL	IE3

Pumps with IE1 Efficiency motor not available to be sold in the EU countries • All pumps available with 60Hz motors under request

SUMMARY COMMERCIAL PUMPS

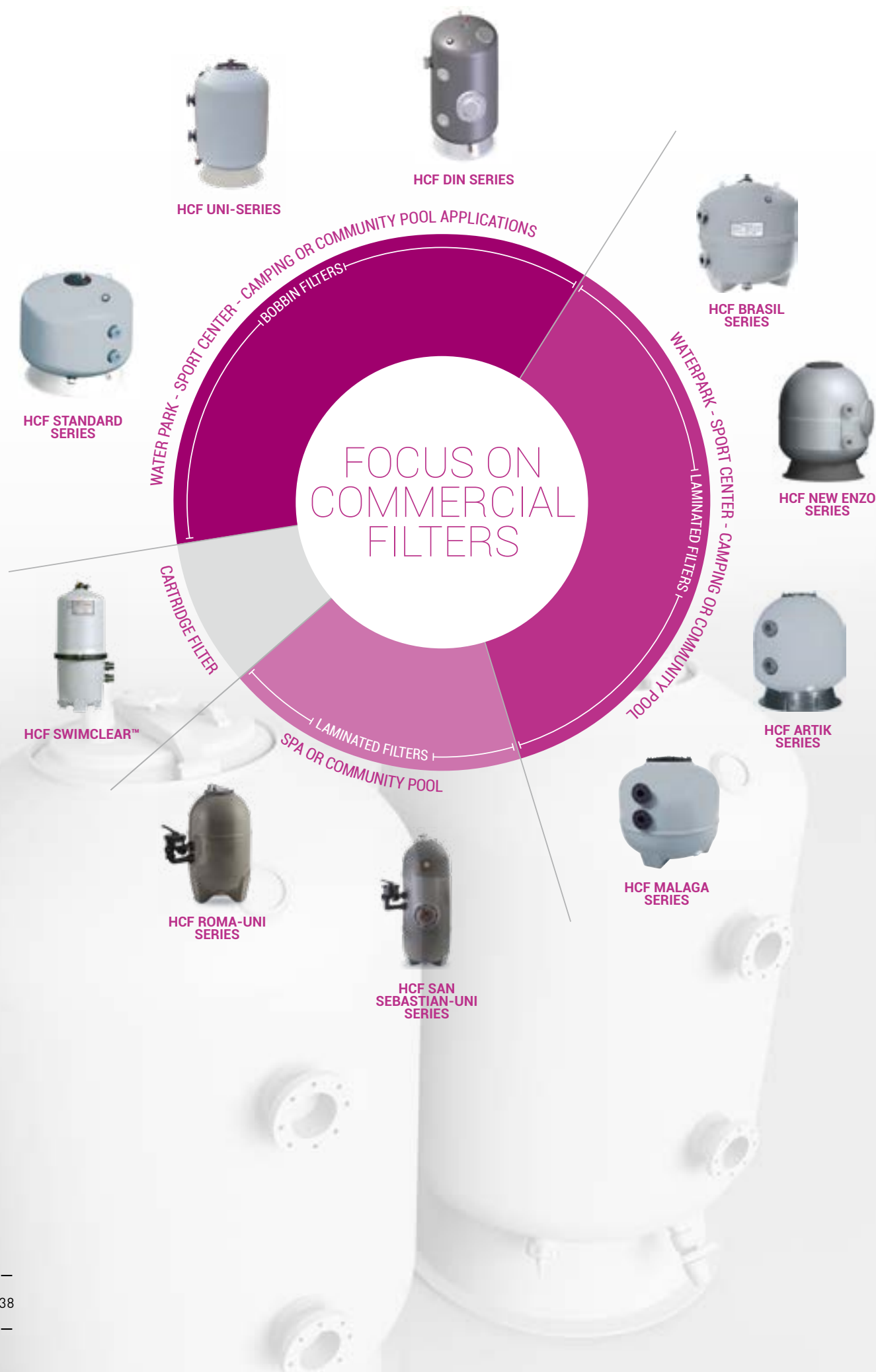
Thermoplastic pumps without prefilter



Reference	Nominal power P2 (hp)	Tension (V)	Rotation speed (rpm)	Flow rate at 12 m.w.c. (m³/h)	Connection	Inlet	Outlet	Prefilter	Pump material	Impeller material	Efficiency
HCP1100											
HCP11553E	5.5	230/400	3000	70	Raccord	Ø110	Ø110	x	GLASS FIBRE REINFORCED THERMOPLASTIC	NORYL	IE3
HCP11553E	5.5	400/700	3000	70	Raccord	Ø110	Ø110	x		NORYL	IE3
HCP11653E7	6.5	400/700	3000	88,5	Raccord	Ø110	Ø110	x		NORYL	IE3
HCP11753E7	7.5	400/700	3000	104	Raccord	Ø110	Ø110	x		NORYL	IE3
HCP111003E1	10	400/700	3000	108 (+)	Flange	Ø140	Ø140	x		NORYL	IE1
HCP111003E	10	400/700	3000	108 (+)	Flange	Ø140	Ø140	x		NORYL	IE3
HCP111253E1	12.5	400/700	3000	114 (+)	Flange	Ø140	Ø140	x		NORYL	IE1
HCP111253E	12.5	400/700	3000	114 (+)	Flange	Ø140	Ø140	x		NORYL	IE3
HCP111503E1	15	400/700	3000	130 (+)	Flange	Ø140	Ø140	x		NORYL	IE1
HCP112003E1	20	400/700	3000	169 (+)	Flange	Ø140	Ø140	x		NORYL	IE1
Serie - HCP1000											
HCP10251E	2.5	230	3000	39	Raccord	Ø90	Ø90	x	GLASS FIBRE REINFORCED THERMOPLASTIC	NORYL	-
HCP10253E3	2.5	230/400	3000	39	Raccord	Ø90	Ø90	x		NORYL	IE3
HCP10253E	2.5	230/400	3000	39	Raccord	Ø90	Ø90	x		NORYL	IE1
HCP10301E	3	230	3000	42	Raccord	Ø90	Ø90	x		NORYL	-
HCP10303E1	3	230/400	3000	42	Raccord	Ø90	Ø90	x		NORYL	IE1
HCP10303E	3	230/400	3000	42	Raccord	Ø90	Ø90	x		NORYL	IE3
HCP10353E1	3.5	230/400	3000	54	Raccord	Ø90	Ø90	x		NORYL	IE1
HCP10353E	3.5	230/400	3000	54	Raccord	Ø90	Ø90	x		NORYL	IE3
HCP10453E1	4.5	230/400	3000	58	Raccord	Ø90	Ø90	x		NORYL	IE1
HCP10453E	4.5	230/400	3000	58	Raccord	Ø90	Ø90	x		NORYL	IE3
Serie - HCP0900											
HCP09101E	1	230	3000	13.5	Raccord	50 or 63 mm	50 or 63 mm	x	GLASS FIBRE REINFORCED THERMOPLASTIC	NORYL	-
HCP09151E	1.5	230	3000	20.5	Raccord	50 or 63 mm	50 or 63 mm	x		NORYL	-
HCP09201E	2	230	3000	24	Raccord	50 or 63 mm	50 or 63 mm	x		NORYL	-
HCP09203E1	2	230/400	3000	24	Raccord	50 or 63 mm	50 or 63 mm	x		NORYL	IE1
HCP09203E	2	230/400	3000	24	Raccord	50 or 63 mm	50 or 63 mm	x		NORYL	IE3

(*) Flow rate at 16 m.w.c. • Pumps with IE1 Efficiency motor not available to be sold in the EU countries
All pumps available with 60Hz motors under request





FILTERS

Global Solution for public pools

OUR RANGE OF FILTERS

Commercial pool maintenance places high demands on water filtration and treatment. Filters are a major constituent of the success of an installation.

They must meet the requirements associated with the size of the pool, its usage, the current physical treatment standards and the technical constraints related to the space available in the equipment room.

Hayward® Commercial Aquatics manufactures and markets two technologies: bobbin wound filters and laminated filters, both made from fibreglass reinforced polyester resin. Bobbin wound technology enhances the mechanical strength of the tank and can withstand maximum operating pressures of up to 9 bar for specific applications.

All filters are supplied without filtering media. The filters must not be moved nor displaced while containing water or filtering media.

FILTERS HCF SERIES

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HCF STANDARD SERIES

Bobbin wound filter equipment

5
YEARS OF WARRANTY



Bobbin Filters Range

- All our commercial filters are supplied with basic options and additional options may be ordered.
- For each type of technology, a wide choice of sizes, filtration speeds and pressure resistances are available.

STANDARD FEATURES

- Lifting lugs (Lifting process only available with empty filter)
- Top manhole
- Pressure gauge with maximum pressure indicator and operating pressure monitoring
- Arm collectors



Filter 2.5 bar
Filtration bed height: 1 m

OPTIONS ON REQUEST:



Range / Pressures / 4,6 and 9 bar
Check our industrial filters range

Filtration bed height: 1.2 m or 1.5 m
Optionals page 37

Options under request	Diameters bobbin wound filters									
	1050	1200	1400	1600	1800	2000	2200	2350	2500	3000
	Oval manhole 400 x 295 mm			Manhole 400 mm Connections : 225-250- Manhole: 500 mm						
	Sight glass 90 mm			Sight glass 125 mm Nozzle plate* 1.2 m bed height 1.5 m bed height						

Optional accessories under request	
213010000300	1" - Tri-functional air relief
210350025000	Horizontal manometer panel 0-6 bar MP 25 (included with the Hayward batteries)
210350024000	Vertical manometer panel 0-6 bar MP 24
210350060000	Vertical manometer panel 0-10 bar MP 26

*only 1,2 or 1,5 height bed bobbin filters

HCF STANDARD SERIES

Bobbin-wound filters

5
YEARS OF WARRANTY



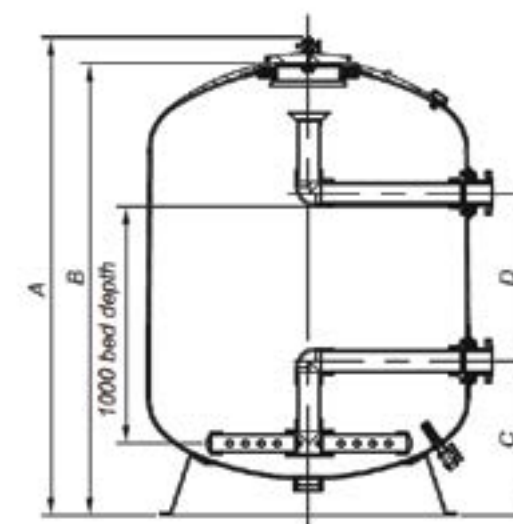
Bobbin-wound Filters

- Sand filters made from bobbin-wound glass-fibre yarn impregnated with polyester resin (GFRP technology)
- Wide range: diameter from 1050 mm to 3000 mm
- Operating pressure: 0.5 to 2.0 bar
- Maximum Pressure: 2.5 bar
- Filtration bed depth: 1 m
- Testing pressure: 3.75 kg/cm²
- Large opening on top for easy maintenance 400 x 300 mm
- Arm collector as standard
- Sand outlet 63 or 90 mm in diameter, water drain 1"
- Ball valve for air relief
- Uses: very large pools, water parks, industrial water treatment

- Wide range of diameters: 1050 mm to 3000 mm
- Filtration bed depth: 1.2 and 1.5 meters on request.
- Nozzle plate on request.

Dimensions 1 meter bed depth - arm collector

D Ø (mm)	1050	1200	1400	1600	1800	2000	2200	2350	2500	3000
Flanges Ø (mm)	63/75/90	75/90	75/90/110	90/110/125	90/110/125/140	110/125/140/160	125/140/160/200	125/140/160/200	140/160/200/225	160/200/225/250
Filtration height (m)	1	1	1	1	1	1	1	1	1	1
A (mm)	1816	1816	1816	1916	1956	2060	2135	2376	2700	2870
B (mm)	1680	1680	1680	1780	1820	1920	2005	2240	2560	2735
C (mm)	625	630	630	720	750	770	850	940	1080	1175
D (mm)	550	550	550	490	440	490	420	500	550	550
Filtration area (m ²)	0.86	1.13	1.54	2.01	2.54	3.14	3.80	4.33	4.90	7.07
Volume (L)	1145	1462	1912	2609	3527	4295	5280	7006	8752	13960
Gravel 1-2 (kg) / Sand 0.4 - 0.8 (kg)	150 / 1150	200 / 1525	325 / 2075	450 / 2725	575 / 3450	1000 / 4250	1000 / 4925	1600 / 5850	1700 / 6625	2800 / 9500
Glass (kg)	1180	1560	2160	2860	3640	4740	5280	6700	7500	11080



HCF STANDARD SERIES

Bobbin-wound filters

5
YEARS OF WARRANTY

FILTERS

Reference	Diameter (mm)	Connection (mm)	Flow rate (m³/h)	Filtration area (m²)	Unassembled manual Batteries Reference	Speed (m³/h/m²)
HCFF40632WVA	1050	63	17	0.86	HCB634UN	20
HCFF47752WVA	1200	75	22	1.13	HCB754UN	
HCFF55752WVA	1400	75	30	1.54	HCB754UN	
HCFF63902WVA	1600	90	40	2.01	HCB904UN	
HCFF70902WVA	1800	90	50	2.54	HCB904UN	
HCFF791102WVA	2000	110	62	3.14	HCB1104UN	
HCFF861252WVA	2200	125	76	3.8	HCB1254UN	
HCFF921252WVA	2350	125	87	4.33	HCB1254UN	
HCFF981402WVA	2500	140	100	4.9	HCB1404UN	
HCFF1181602WVA	3000	160	140	7.07	HCB1604UN	
HCFF40752WVA	1050	75	25	0.86	HCB754UN	30
HCFF47752WVA	1200	75	33	1.13	HCB754UN	
HCFF55902WVA	1400	90	46	1.54	HCB904UN	
HCFF631102WVA	1600	110	60	2.01	HCB1104UN	
HCFF701102WVA	1800	110	76	2.54	HCB1104UN	
HCFF791252WVA	2000	125	94	3.14	HCB1254UN	
HCFF861402WVA	2200	140	114	3.8	HCB1404UN	
HCFF921402WVA	2350	140	130	4.33	HCB1404UN	
HCFF981602WVA	2500	160	150	4.9	HCB1604UN	
HCFF1182002WVA	3000	200	212	7.07	HCB2004UN	
HCFF40752WVA	1050	75	34	0.86	HCB754UN	40
HCFF47902WVA	1200	90	45	1.13	HCB904UN	
HCFF551102WVA	1400	110	61	1.54	HCB1104UN	
HCFF631102WVA	1600	110	80	2.01	HCB1104UN	
HCFF701252WVA	1800	125	101	2.54	HCB1254UN	
HCFF791402WVA	2000	140	125	3.14	HCB1404UN	
HCFF861602WVA	2200	160	152	3.8	HCB1604UN	
HCFF921602WVA	2350	160	175	4.33	HCB1604UN	
HCFF982002WVA	2500	200	200	4.9	HCB2004UN	
HCFF1182252WVAM*	3000	225	282	7.07	HCB2254UN	
HCFF40902WVA	1050	90	43	0.86	HCB904UN	50
HCFF47902WVA	1200	90	56	1.13	HCB904UN	
HCFF551102WVA	1400	110	77	1.54	HCB1104UN	
HCFF631252WVA	1600	125	100	2.01	HCB1254UN	
HCFF701402WVA	1800	140	125	2.54	HCB1404UN	
HCFF791602WVA	2000	160	157	3.14	HCB1604UN	
HCFF862002WVA	2200	200	190	3.8	HCB2004UN	
HCFF922002WVA	2350	200	217	4.33	HCB2004UN	
HCFF982252WVAM*	2500	225	250	4.9	HCB2254UN	
HCFF1182502WVAM*	3000	250	353	7.07	HCB2504UN	

Automatic batteries under request:Pneumatic or Electric actuators available-Unassembled or assembled on demand
(*) Only possible to provide with lateral manhole D 500 mm

HCF UNI-SERIES

Bobbin wound filters compliant with standard UNI 10637/2016 standard



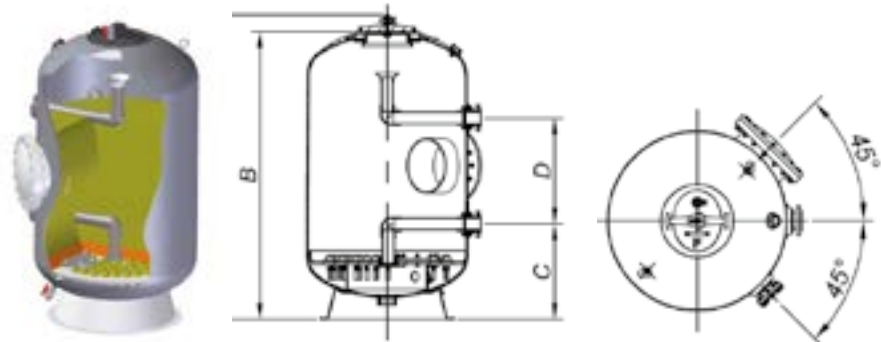
High-performance filters

- Sand filters made from bobbin-wound glass fibre yarn impregnated with polyester resin (GFRP technology)
- Filters conforming to the Italian regulation UNI 10637/2016
- Wide range diameter from 1050 mm to 2500 mm
- Operating pressure: 0.5 to 2.0 bar
- Maximum pressure: 2.5 bar
- Filtration bed depth: 1m
- Sand outlet diameter 63 or 90 mm, water drain 1"
- Ball valve for air relief

► Wide range of diameters:
1050 mm to 2500 mm

AS STANDARD:

- Nozzle plate,
- Top manhole
- Side manhole (oval: 400 x 295 mm or round: Ø 400 mm)
- Sight glass 90 mm (Ø 1050 mm up to Ø 1400 mm)
- Sight glass 125 mm (Ø 1600 mm up to Ø 2500 mm)
- Manometer with maximum pressure indicator



Reference	Diameter (mm)	Connection (mm)	Speed m³/h/m²	Flow rate m³/h	Weight (kg)	Filtration area (m²)	Sand (0.4-0.8) weight (kg)	Gravel (1-2) weight (kg)	Glass Media weight (kg)	Dimensions			
										A	B	C	D
HCFZ40754WVN	1050	75	35	30	215	0.86	1 150	150	1 425	2 259	2 132	675	820
HCFZ40904WVN	1050	90	40-50	34-43	215	0.86	1 150	150	1 425	2 259	2 132	675	820
HCFZ47754WVN	1200	75	28	31	245	1.13	1 525	175	1 850	2 330	2 190	725	810
HCFZ47904WVN	1200	90	35-40	39-45	245	1.13	1 525	175	1 850	2 330	2 190	725	810
HCFZ55904WVN	1400	90	30	46	310	1.54	2 075	250	2 525	2 304	2 177	735	815
HCFZ551104WVN	1400	110	35-40	54-62	310	1.54	2 075	250	2 525	2 304	2 177	735	815
HCFZ631104WVN	1600	110	35	70	370	2.01	2 725	325	3 300	2 399	2 272	780	850
HCFZ631254WVN	1600	125	40-45	80-90	370	2.01	2 725	325	3 300	2 399	2 272	780	850
HCFZ701104WVN	1800	110	28	71	425	2.54	3 450	375	4 125	2 430	2 290	810	800
HCFZ701254WVN	1800	125	35	89	425	2.54	3 450	375	4 125	2 430	2 290	810	800
HCFZ701404WVN	1800	140	40-45	101-114	425	2.54	3 450	375	4 125	2 430	2 290	810	800
HCFZ791254WVN	2000	125	30	94	495	3.14	4 250	475	5 100	2 476	2 350	810	800
HCFZ791404WVN	2000	140	35	110	495	3.14	4 250	475	5 100	2 476	2 350	810	800
HCFZ791604WVN	2000	160	40-45	125-141	495	3.14	4 250	475	7 975	2 476	2 350	810	800
HCFZ982004WVN	2500	200	35	172	875	4.9	6 625	750	7 975	2 700	2 560	1 080	550
HCFZ982254WVN	2500	225	40-50	196-245	875	4.9	6 625	750	5 100	2 700	2 560	1 080	550

Additional Diameters and Pressure under request.

HCF DIN SERIES

Bobbin wound filters

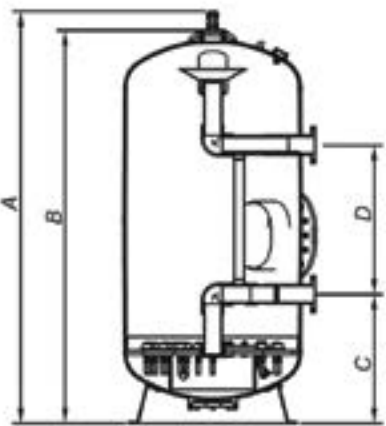
5
YEARS OF WARRANTY



Bobbin wound high performance filters DIN 19605 and 19643

- Polyester + fiberglass bobbin wound filters, manufactured by winding system, using polyester reinforced with resin impregnated fiber glass
- Wide range of diameters: 1050 mm to 3000 mm
- Operating pressure: 0.5 to 2 bar
- Maximum pressure: 2.5 bar
- Testing pressure: 3.75 kg/cm2
- Filtration bed depth:1.2 and 1.5 meters
- Lateral man hole for easy maintenance
- Sight glass Ø 90 glass up to Ø 1400 filters and Ø 125 from Ø 1600 up to Ø 3 000 filters
- Nozzle plate as standard

- ▶ **Wide range of diameters:**
1050 mm to 3000 mm
- ▶ **Filtration bed depth:**
1.2 and 1.5 meters
- ▶ **Nozzle plate as standard**



Dimensions																	
Diameter (mm)	1050		1200		1400		1600		1800		2000		2350		2500		3000
Connections	110		125		140		160		200		225		250		250		250
Bed depth	1,2 m	-	1,2 m	1,5 m	1,2 m	1,5 m	1,2 m	1,5 m	1,2 m	1,5 m	1,2 m	1,5 m	1,2 m	1,5 m	1,2 m	1,5 m	1,2 m 1,5 m
Filtration rate (m³/h/m²)	30		30		30		30		30		30		30		30		30
Flow rate (m³/h)	25		33		46		60		76		94		130		150		212
A (mm)	2340	-	2540	2840	2530	2830	2610	2910	2600	2910	2635	2875	2930	3220	2935	3320	2895 3395
B (mm)	2270	-	2380	2680	2370	2670	2450	2750	2440	2750	2470	2715	2770	3060	2750	3140	2720 3215
C (mm)	780	-	835	980	825	980	870	1020	850	1000	860	1000	980	980	1080	1080	1175 1175
D (mm)	900	-	900	900	900	900	900	900	900	900	900	900	920	1220	550	1160	550 1030
Filtration aera (m²)	0,86		1,13		1,54		2,01		2,54		3,14		4,33		4,90		7,07
N° of nozzles	55		72		95		131		155		195		269		308		436
Top inlet (mm)	160		160		160		250		250		250		250		250		250
Lateral Manhole (mm)	Oval manhole 400 x 295		Oval manhole 400 x 295		Oval manhole 400 x 295		Round manhole Ø 400		Round manhole Ø 400		Round manhole Ø 500		Round manhole Ø 500		Round manhole Ø 500		Round manhole Ø 500

HCF DIN SERIES

Bobbin wound filters

5
YEARS OF WARRANTY

Bed depth 1.2 meters									
Reference	IF1401102WVN	IF1471252WVN	IF1551402WVN	IF1631602WVN	IF1702002WVN	IF1792252WVN	IF1922502WVN	IF1982502WVN	IF1182502WVN
Ø (mm)	1050	1200	1400	1600	1800	2000	2350	2500	3000
Silex 1 - 2 mm (kg)	150	175	250	325	375	475	650	750	1050
Silex 0,4 - 0,8 mm (kg)	1425	1875	2550	3325	4200	5175	7150	8100	11675
Vitrafil®	1420	1860	2520	3300	4120	5100	7020	4980	11420

Bed depth 1.5 meters								
Reference	IFT471252WVN	IFT551402WVN	IFT631602WVN	IFT702002WVN	IFT92252WVNWVN	IF1922502WVN	IFT982502WVN	IFT1182502WVN
Ø (mm)	1200	1400	1600	1800	2000	2350	2500	3000
Silex 1 - 2 mm (kg)	175	175	250	325	375	650	750	1050
Silex 0,4 - 0,8 mm (kg)	2350	3225	4450	5300	6550	9000	10300	14800
Vitrafil®	2280	3160	4300	5120	6320	8700	9960	14280



HCF BRASIL SERIES

Laminated commercial filter equipment

2
YEARS OF WARRANTY



Hayward® filters for Commercial Pools

- All our commercial filters are supplied with standard options, but additional options may be ordered.
- For each type of technology, a wide choice of sizes, filtration speeds
- Brasil range / 2,5bar

STANDARD FEATURES:

- Lifting lugs
(Lifting process only with empty filter)
- Top lid
- Arm collectors
2.5 bar filter
Filtration bed height: 1 m



Top manhole



Arm collectors



Pressure gauge



Lifting lugs

► Wide range of diameters:
1050 mm to 2500 mm

OPTIONS ON REQUEST:



90 mm
Sight glass



Air relief
valve



400 mm round manhole
Diameters:
1050 mm to 2000 mm

Options under request

	Round man hole filters up to D.2000mm (bolted)
	Sight glass 90 mm

Optional accessories under request

213010000300	1" Tri-functional air relief
210350025000	Horizontal manometer panel 0-6 bar MP.25 (included with the Hayward® batteries)
210350024000	Vertical manometer panel 0-6 bar MP.24

HCF BRASIL SERIES

Laminated filters

2
YEARS OF WARRANTY



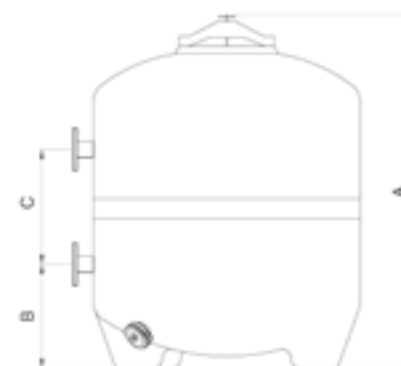
Fiberglass reinforced laminated polyester filter

- Fibreglass-reinforced laminated polyester filters
- Attractive gelcoat gloss finish
- Wide range: 1050 mm to 2500 mm diameters
- Operating pressure: 0.5 to 2.0 bar
- Maximum pressure: 2.5 bar
- Testing pressure: 3.75 kg/cm²
- Drain in PVC, Ø: 75 mm with 1" plug
- Filtration bed depth: 1m
- Lid width 400x300 mm top opening for easy maintenance
- Arm collector as standard
- Uses: large pools, water park

► Wide range of diameters:
1050 mm to 2500 mm

Dimensions

Ø (mm)	1050	1200	1400	1600	1800	2000	2350	2500
A (mm)	1800	1800	1800	1800	2000	2000	2250	2250
B (mm)	550	550	550	550	600	600	700	750
C (mm)	600	600	600	720	720	800	800	900
D (mm)	1050	1200	1400	1600	1800	2000	2350	2500
Filtration area (m ²)	0.86	1.13	1.54	2.01	2.54	3.14	4.34	4.90
Volume (m ³)	2.13	2.77	3.77	4.93	6.93	8.56	13.30	16.50
Gravel 1-2 (kg) / Sand 0.4 - 0.8 (kg)	175 / 1200	225 / 1 575	300 / 2 175	425 / 2 800	525 / 3 550	650 / 4 400	900 / 6 075	1600 / 6 475
Glass (kg)	1 240	1 620	2 240	2 920	3 680	4 560	6 280	7 280



Additional options on request:

- Sight glass (90mm)
- Side manhole (400mm) up to 2000mm

HCF BRASIL SERIES

Laminated filters

2
YEARS OF WARRANTY

Reference	Diameter (mm)	Flow rate (m³/h)	Connection (mm)	Filtration area (m²)	Empty weight (kg)	Speed (m³/h/m²)	Unassembled manual Batteries Reference
HCFB40632LVA	1050	17	63	0.86	152	20	HCB634UN
HCFB40752LVA	1050	25-34	75	0.86	157	30-40	HCB754UN
HCFB40902LVA	1050	43	90	0.86	162	50	HCB904UN
HCFB47752LVA	1200	22-33	75	1.13	185	20-30	HCB754UN
HCFB47902LVA	1200	45-56	90	1.13	185	40-50	HCB904UN
HCFB55752LVA	1400	30	75	1.54	227	20	HCB754UN
HCFB55902LVA	1400	46	90	1.54	232	30	HCB904UN
HCFB551102LVA	1400	61-77	110	1.54	237	40-50	HCB1104UN
HCFB63902LVA	1600	40	90	2.01	290	20	HCB904UN
HCFB631102LVA	1600	60-80	110	2.01	295	30-40	HCB1104UN
HCFB631252LVA	1600	100	125	2.01	300	50	HCB1254UN
HCFB70902LVA	1800	50	90	2.54	286	20	HCB904UN
HCFB701102LVA	1800	76	110	2.54	391	30	HCB1104UN
HCFB701252LVA	1800	101	125	2.54	396	40	HCB1254UN
HCFB701402LVA	1800	125	140	2.54	401	50	HCB1404UN
HCFB791102LVA	2000	62	110	3.14	405	20	HCB1104UN
HCFB791252LVA	2000	94	125	3.14	415	30	HCB1254UN
HCFB791402LVA	2000	125	140	3.14	425	40	HCB1404UN
HCFB791602LVA	2000	157	160	3.14	430	50	HCB1604UN
HCFB921252LVA	2350	87	125	4.34	510	20	HCB1254UN
HCFB921402LVA	2350	130	140	4.34	515	30	HCB1404UN
HCFB921602LVA	2350	175	160	4.34	525	40	HCB1604UN
HCFB922002LVA	2350	217	200	4.34	530	50	HCB2004UN
HCFB981402LVA	2500	98	140	4.90	-	20	HCB1404UN
HCFB981602LVA	2500	147	160	4.90	-	30	HCB1604UN
HCFB982002LVA	2500	196	200	4.90	-	40	HCB2004UN
HCFB982252LVA	2500	245	225	4.90	-	50	HCB2254UN

Automatic unassembled batteries under request;pneumatic or electric actuators available.

HCF ARTIK SERIES

Laminated filters

2
YEARS OF WARRANTY



► Wide range of diameters:
1050 mm to 2200 mm

Fiberglass reinforced laminated polyester filter

- Attractive gelcoat gloss finish
- Wide range: 1050 mm to 2200 mm diameters
- Operating pressures: 0.5 to 2 bar
- Maximum pressure: 2.5 bar
- Testing pressure: 3.75 kg/cm²
- 3" sand drain with 1" water drain
- Filtration bed depth: 1m
- Wide 400 mm top opening polyamide glass fiber reinforced lid
- Arm collector as standard
- Uses: large pools, water parks

Dimensions							
Ø (mm)	1050	1200	1400	1600	1800	2000	2200
A (mm)	675	675	675	675	675	650	-
B (mm)	520	520	520	520	720	720	720
C (mm)	1685	1685	1685	1685	1900	1900	1900
D (mm)	950	950	1300	1300	1610	1610	1610
E (mm)	535	535	535	535	535	535	535

Ref	Diameter (mm)	Connection (mm)	Flow rate at 20m³/h/m²	Flow rate at 30m³/h/m²	Flow rate at 40m³/h/m²	Filtration area (m²)	Sand (Kg)		Glass (Kg)	Weight (kg)	Unassembled manual Batteries Reference
							(1-2mm)	(0.4-0.8mm)			
HCFA40752LVA	1050	75	17	26	34	0.86	150	1 150	1 180	133.5	HCB754UN
HCFA40902LVA	1050	90	17	26	34	0.86	150	1 150	1 180	133.5	HCB904UN
HCFA47752LVA	1200	75	23	34	-	1.13	200	1 525	1 560	157.5	HCB754UN
HCFA47902LVA	1200	90	23	34	45	1.13	200	1 525	1 560	157.5	HCB904UN
HCFA55902LVA	1400	90	31	46	-	1.54	375	2 075	2 220	201.5	HCB904UN
HCFA551102LVA	1400	110	31	46	62	1.54	375	2 075	2 220	201.5	HCB1104UN
HCFA631102LVA	1600	110	40	60	80	2.01	500	2 725	2 920	250.7	HCB1104UN
HCFA63152LVA	1600	125	40	60	80	2.01	500	2 725	2 920	250.7	HCB1254UN
HCFA70102LVA	1800	110	51	76	-	2.54	650	3 450	3 700	336.6	HCB1104UN
HCFA701252LVA	1800	125	51	76	102	2.54	650	3 450	3 700	336.6	HCB1254UN
HCFA701402LVA	1800	140	51	76	102	2.54	650	3 450	3 700	336.6	HCB140UN
HCFA791252LVA	2000	125	63	94	-	3.14	1 000	4 250	4 740	361.2	HCB1254UN
HCFA791402LVA	2000	140	63	94	126	3.14	1 000	4 250	4 740	361.2	HCB1404UN
HCA791602LVA	2000	160	63	94	126	3.14	1 000	4 250	4 740	361.2	HCB1604UN
HCFA871602LVA	2200	160	76	114	152	3.80	1 000	4 925	5 280	412.7	HCB1604UN

HCF NEW ENZO SERIES

Laminated filters

2
YEARS OF WARRANTY



**NEW
LID**

Compliant with UNI 10637/2016
(Italian regulation)

► **Wide range of diameters:**
1050 mm to 2000 mm

Fiberglass reinforced laminated polyester filter

- Attractive gelcoat gloss finish
- Wide range: 1050 mm to 2000 mm diameters
- Operating pressures: 0.5 to 2 bar
- Maximum pressure: 2.5 bar
- Testing pressure: 3.75 kg/cm²
- 3" Sand drain with 1" water drain
- Filtration bed depth: 1 meter
- Wide 400 mm top opening and lateral man hole polyamide + glass fiber reinforced lid
- Nozzle plate as standard
- Uses: large commercial pools, water parks, spas

Dimensions

Ref.	HCFN40752LVN			HCFN47902LVN			HCFN551102LVN			HCFN631102LVN			HCFN701252LVN			HCFN791402LVN		
Ø and Connections (mm)	1050-75			1200-90			1400-110			1600-110			1800-125			2000-140		
Filtration rate (m³/h/m²)	35	40	50	35	40	50	35	40	50	35	40	50	35	40	50	35	40	50
Flow rate (m³/h)	30	34	43	39	45	56	54	61	77	70	80	100	89	101	127	110	125	157
A (mm)	2095			2210			2295			2305			2500			2540		
B (mm)	870			860			880			900			920			960		
C (mm)	770			900			900			900			1100			1100		
D (mm)	450			430			470			470			480			480		
E (mm)	1040			1045			1070			1070			1120			920		
Filtration aera (m²)	0,86			1,13			1,54			2,01			2,54			3,14		
N° of nozzles	75			75			96			104			127			184		
Weight (Kg)	150			200			250			300			350			400		



Bed depth

Ø (mm)	1050	1200	1400	1600	1800	2000
Silex 1- 2 mm (kg)	150	175	250	325	375	475
Silex 0,4 - 0,8 mm	1150	1525	2075	2725	3450	4250
Vitrafil®	1180	1560	2160	2860	3640	4740

HCF MALAGA SERIES

Laminated filters

2
YEARS OF WARRANTY

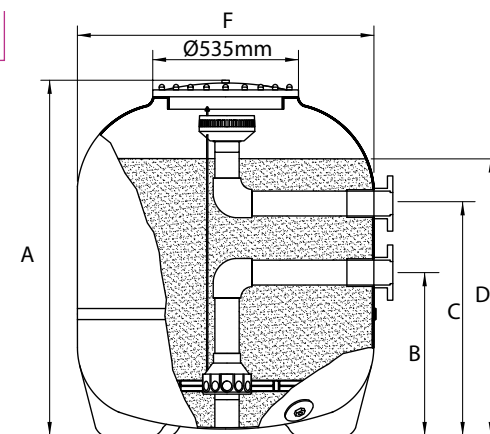


**NEW
LID**

Fiberglass reinforced laminated polyester filter

- Attractive gelcoat gloss finish
- Wide range: 950 mm to 1400 mm diameters
- Operating pressures: 0.5 to 1.4 bar
- Maximum pressure: 1.6 bar
- Testing pressure: 2.5 kg/cm²
- Filtration bed depth: 0.8m
- Wide 400 mm top opening with polyamide + glass fiber reinforced lid
- Arm collector as standard
- Uses: semi-commercial pools

► **Wide range of diameters:**
950 mm to 1400 mm



Dimensions

Ø (mm)	950	1100	1200	1400
A (mm)	1200	1200	1200	1200
B (mm)	595	590	595	570
C (mm)	845	840	845	820
D (mm)	850	850	850	850
F (mm)	950	1100	1200	1400
Filtration area (m ²)	0,70	0,95	1,13	1,54
Flow m ³ /h	35	47,5	56	77

Ref	Diameter (mm)	Connection (mm)	Flow rate at 50m ³ /h/m ²	Filtration area (m ²)	Sand (Kg) (0.4-0.8mm)	Glass (Kg)	Weight (kg)	Unassembled Batteries Reference	6 way valve
HCFM37752LVA	950	75	35	0.70	975	880	66	HCB754UN	HCV2575E
HCFM43902LVA	1100	90	47.5	0.95	1 325	1 200	84	HCB904UN	HCV375E
HCFM47902LVA	1200	90	56	1.13	1 575	1 420	94	HCB904UN	HCV375E
HCFM551102LVA	1400	110	77	1.54	1 750	1 580	128	HCB1104UN	HCV475E

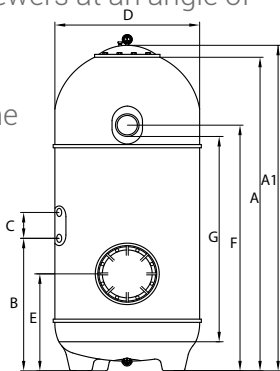
HCF SAN SEBASTIAN SERIES

Laminated filters

2
YEARS OF WARRANTY

Fiberglass reinforced laminated polyester filter

- High performance filters manufactured with glass-fibre reinforced laminated polyester.
- Attractive gelcoat gloss finish
- Top opening Ø220 mm with transparent cover lid in injection-moulded polycarbonate. Side transparent inspection cover Ø220 mm. Both covers held on with stainless studs and nuts (A2). Includes two circular screw-in methacrylate viewers at an angle of 90° for visual inspection.
- Available with arm collector or nozzle plate.
- High filtration quality thanks to the height of the filtration bed (1.00 or 1.20 m.)
- Provided with glycerine pressure gauge
- Operating pressure: 0.5 to 2 bar
- Testing pressure: 3.75 bar
- Maximum pressure 2.5 bar



► According
Uni 10637/2016
(Italian regulation)

Dimensions

Ref	Ø 640 mm HCFS252I2LVA	Ø 760 mm HCFS302I2LVA	Ø 900 mm HCFS352I2LVA	Ø 640 mm HCFD252I2LVA	Ø 760 mm HCFD302I2LVA	Ø 900 mm HCFD352I2LVA	Ø 640 mm HCFD252I2LVN	Ø 760 mm HCFD302I2LVN	Ø 900 mm HCFD352I2LVN
Sand bed height (m)	1m			1.2m			1.2m		
Collector	Arm collector			Arm collector			Nozzle plate		
A (mm)	1560	1560	1560	1760	1760	1760	1760	1760	1760
A1 (mm)	1620	1620	1620	1820	1820	1820	1820	1820	1820
B (mm)	755	755	755	755	755	755	755	755	755
C (mm)	140	140	140	140	140	140	140	140	140
D (mm)	640	760	900	640	760	900	640	760	900
E (mm)	680	680	680	680	680	680	680	680	680
F (mm)	1280	1280	1280	1480	1480	1480	1480	1480	1480
G (mm)	1000	1000	1000	1200	1200	1200	1200	1200	1200

Ref	Diameter (mm)	Valve not-included	Flow rate at 20m³/h/m²	Flow rate at 30m³/h/m²	Flow rate at 35m³/h/m²	Flow rate at 40m³/h/m²	Filtration area (m²)	Sand (Kg) (1-2mm) (0.4-0.8mm)	Glass (Kg)	Weight (kg)
HCFS : 1 meter sand bed depth										
HCFS252I2LVA	640	Valve 2" (250120011300)	6	10	11	13	0.32	75	425	52
HCFS302I2LVA	760	Valve 2" (250120011300)	9	14	16	18	0.45	75	600	64
HCFS352I2LVA	900	Valve 2" (250120011300)	13	19	22	25	0.63	100	850	75
HCFD : 1.2 meter sand bed depth arm collector										
HCFD252I2LVA	640	Valve 2" (250120011300)	6	10	11	13	0.32	75	525	68
HCFD302I2LVA	760	Valve 2" (250120011300)	9	14	16	18	0.45	75	750	83
HCFD352I2LVA	900	Valve 2" (250120011300)	13	19	22	25	0.63	100	1 050	98
HCFD : 1.2 meter sand bed depth nozzle plate										
HCFD252I2LVN	640	Valve 2" (250120011300)	6	10	11	13	0.32	50	525	76
HCFD302I2LVN	760	Valve 2" (250120011300)	9	14	16	18	0.45	75	750	93
HCFD352I2LVN	900	Valve 2" (250120011300)	13	19	22	25	0.63	100	1 050	110

Please note that: spare part: kit connection 2" valve: 500200061100- 2"-black union set connection

HCF ROMA SERIES

Laminated filters

2
YEARS OF WARRANTY

6-way Variflo™ valve included
Ø 520 and 640 mm
UNI Certified, only Ø640-800

Laminated polyester filters with arm collector

- Attractive gelcoat gloss finish
- Working pressure: 0.5 to 2 bar
- Maximum allowable Pressure: 2.5 bar
- Testing pressure: 3.75 bar
- Compliant with IT regulation UNI 10637/2016 only Ø640-800
- Arm collector as standard

► Compliant with IT regulation UNI
10637/2016 only Ø640-800

Dimensions

Ø (mm)	520	640	800
A (mm)	980	1 070	1 200
B (mm)	400	450	500
C (mm)	525	575	640
D (mm)	580	650	790
F (mm)	520	790	800



Ref	Diameter (mm)	Connection (mm)	Flow rate (m³/H)	Filtration area (m²)	Filtration rate (m³/h/m²)	Sand 0,4 + 0,8 mm (Kg)	Weight (kg)	Volume (m³)
HCFC211I4LVA	520	1 1/2" (variflo-valve)	6 - 8 - 10	0.21	30- 40 - 50	140	20	0.307
HCFC241I4LVA	640	1 1/2" (variflo-valve)	9 - 12 - 16	0.32	30 - 40 - 50	250	28	0.500
HCFC312I4LVA	800	2"	15 - 20 - 25	0.50	30 - 40 - 50	445	38	0.875

SUMMARY COMMERCIAL FILTERS

Bobbin filters

FILTERS

BOBBIN WOUND COMMERCIAL FILTERS



D ø (mm)	Connections ø (¹ / ₂ " or mm)	Bed depth (m)	Arm collector	Nozzle plate	Sight glass	Tri-functional safety valve	Lateral Manhole	Top valve for air relief	Lifting eyebolts	Witness pressure gauge	Standard pressure gauge	Lid (mm)	Sand drain	Water purge	Standards	Notes
BOBBIN - HCF Standard Series																
1050	63 / 75 / 90	1	✓	x	x	OP	OP (400X295)	✓	✓	✓	x	TOP MANHOLE 400 x 295	D63	1"		Battery of valves and supports not included. check options and range in the commercial pool catalogue.
1200	75 / 90	1	✓	x	x	OP	OP (400X295)	✓	✓	✓	x		D63	1"		
1400	75 / 90 / 110	1	✓	x	x	OP	OP (400X295)	✓	✓	✓	x		D63	1"		
1600	90 / 110 / 125	1	✓	x	x	OP	OP (D400)	✓	✓	✓	x		D90	1"		
1800	90 / 110 / 125 / 140	1	✓	x	x	OP	OP (D400)	✓	✓	✓	x		D90	1"		
2000	110 / 125 / 140 / 160	1	✓	x	x	OP	OP (D400)	✓	✓	✓	x		D90	1"		
2200	125 / 140 / 160 / 200	1	✓	x	x	OP	OP (D400)	✓	✓	✓	x		D90	1"		
2350	125 / 140 / 160 / 200	1	✓	x	x	OP	OP (D400)	✓	✓	✓	x		D90	1"		
2500	140 / 160 / 200	1	✓	x	x	OP	OP (D400)	✓	✓	✓	x		D90	1"		
2500	225	1	✓	x	x	OP	D500	✓	✓	✓	x		D90	1"		
3000	160 / 200	1	✓	x	x	OP	OP (D400)	✓	✓	✓	x	D90	1"			
3000	225 / 250	1	✓	x	x	OP	D500	✓	✓	✓	x	D90	1"			
BOBBIN HCF UNI-Series																
1050	75 / 90	1	x	✓	D90	OP	400X295	✓	✓	✓	x	TOP MANHOLE 400 x 295	D63	1"	ACCORDING TO UNI 10637/2016	
1200	75 / 90	1	x	✓	D90	OP	400X295	✓	✓	✓	x		D63	1"		
1400	90 / 110	1	x	✓	D90	OP	400X295	✓	✓	✓	x		D63	1"		
1600	110 / 125	1	x	✓	D125	OP	D400	✓	✓	✓	x		D90	1"		
1800	110 / 125 / 140	1	x	✓	D125	OP	D400	✓	✓	✓	x		D90	1"		
2000	125 / 140 / 160	1	x	✓	D125	OP	D400	✓	✓	✓	x		D90	1"		
2500	200	1	x	✓	D125	OP	D400	✓	✓	✓	x		D90	1"		
2500	225	1	x	✓	D125	OP	D500	✓	✓	✓	x		D90	1"		
BOBBIN HCF DIN Series																
1050	110	1,2	x	✓	D90	OP	400X295	✓	✓	✓	x	TOP MANHOLE 400 x 295	D63	1"	ACCORDING TO DIN 19605 & DIN 19643	
1200	125	1,2 / 1,5	x	✓	D90	OP	400X295	✓	✓	✓	x		D63	1"		
1400	140	1,2 / 1,5	x	✓	D90	OP	400X295	✓	✓	✓	x		D63	1"		
1600	160	1,2 / 1,5	x	✓	D125	OP	D400	✓	✓	✓	x		D90	1"		
1800	200	1,2 / 1,5	x	✓	D125	OP	D400	✓	✓	✓	x		D90	1"		
2000	225	1,2 / 1,5	x	✓	D125	OP	D500	✓	✓	✓	x		D90	1"		
2350	250	1,2 / 1,5	x	✓	D125	OP	D500	✓	✓	✓	x		D90	1"		
2500	250	1,2 / 1,5	x	✓	D125	OP	D500	✓	✓	✓	x		D90	1"		
2500	250	1,2 / 1,5	x	✓	D125	OP	D500	✓	✓	✓	x		D90	1"		
3000	250	1,2 / 1,5	x	✓	D125	OP	D500	✓	✓	✓	x		D90	1"		
✓ - Included ● OP - Optional ● x - Not included																

✓ - Included • OP - Optional • X - Not included

SUMMARY COMMERCIAL FILTERS

Laminated filters

LAMINATED COMMERCIAL FILTER



D ø (mm)	Connections ø (¹ / ₂ " or mm)	Bed depth (m)	Arm collector	Nozzle plate	Sight glass	Tri-functional safety valve	Lateral Manhole	Top valve for air relief	Lifting eyebolts	Witness pressure gauge	Standard pressure gauge	Lid (mm)	Sand drain	Water purge	Standards	Notes
HCF BRASIL																
1050	63 / 75 / 90	1	✓	x	OP (D90)	OP	OP (D400)	✓	✓	✓	x	TOP MANHOLE 400 x 295	D75	1"		Battery of valves and supports not included, check options and range in the commercial pool catalogue.
1200	75 / 90	1	✓	x	OP (D90)	OP	OP (D400)	✓	✓	✓	x		D75	1"		
1400	75 / 90 / 110	1	✓	x	OP (D90)	OP	OP (D400)	✓	✓	✓	x		D75	1"		
1600	90 / 110 / 125	1	✓	x	OP (D90)	OP	OP (D400)	✓	✓	✓	x		D75	1"		
1800	90 / 110 / 125 / 140	1	✓	x	OP (D90)	OP	OP (D400)	✓	✓	✓	x		D75	1"		
2000	110 / 125 / 140 / 160	1	✓	x	OP (D90)	OP	OP (D400)	✓	✓	✓	x		D75	1"		
2350	125 / 140 / 160 / 200	1	✓	x	OP (D90)	OP	x	✓	✓	✓	x		D75	1"		
2500	140 / 160 / 200 / 225	1	✓	x	OP (D90)	OP	x	✓	✓	✓	x		D75	1"		
HCF ARTIK																
1050	75 / 90	1	✓	x	x	x	x	x	✓	x	x	D400	3"	1"		
1200	75 / 90	1	✓	x	x	x	x	x	✓	x	x		3"	1"		
1400	90 / 110	1	✓	x	x	x	x	x	✓	x	x		3"	1"		
1600	110 / 125	1	✓	x	x	x	x	x	✓	x	x		3"	1"		
1800	110 / 125 / 140	1	✓	x	x	x	x	x	✓	x	x		3"	1"		
2000	125 / 140 / 160	1	✓	x	x	x	x	x	✓	x	x		3"	1"		
2200	160	1	✓	x	x	x	x	x	✓	x	x		3"	1"		
HCF NEW ENZO																
1050	75	1	x	✓	x	x	D400	x	✓	x	x	D400	3"	1"	ACCORDING TO UNI 10637/2016	
1200	90	1	x	✓	x	x	D400	x	✓	x	x		3"	1"		
1400	110	1	x	✓	x	x	D400	x	✓	x	x		3"	1"		
1600	110	1	x	✓	x	x	D400	x	✓	x	x		3"	1"		
1800	125	1	x	✓	x	x	D400	x	✓	x	x		3"	1"		
2000	140	1	x	✓	x	x	D400	x	✓	x	x		3"	1"		
HCF MALAGA																
950	75	0,8	✓	x	x	x	x	x	x	x	x	D400	3"	1"		
1100	90	0,8	✓	x	x	x	x	x	x	x	x		3"	1"		
1200	90	0,8	✓	x	x	x	x	x	x	x	x		3"	1"		
1400	110	0,8	✓	x	x	x	x	x	x	x	x		3"	1"		
HCF SAN SEBASTIAN																
640	2"	1	✓	x	D90	x	D220	✓	x	x	✓	TRANSPARENT D220	1 1/4"	1"	ACCORDING TO UNI 10637/2016	6-way valve not included. reference of the valve: 250120011300
760	2"	1	✓	x	D90	x	D220	✓	x	x	✓		1 1/4"	1"		
900	2"	1	✓	x	D90	x	D220	✓	x	x	✓		1 1/4"	1"		
640	2"	1,2	✓	x	D90	x	D220	✓	x	x	✓		1 1/4"	1"		
760	2"	1,2	✓	x	D90	x	D220	✓	x	x	✓		1 1/4"	1"		
900	2"	1,2	✓	x	D90	x	D220	✓	x	x	✓		1 1/4"	1"		
640	2"	1,2	x	✓	D90	x	D220	✓	x	x	✓		1 1/4"	1"		
760	2"	1,2	x	✓	D90	x	D220	✓	x	x	✓		1 1/4"	1"		
900	2"	1,2	x	✓	D90	x	D220	✓	x	x	✓		1 1/4"	1"		
HCF ROMA																
520	1 1/2"	0,6	✓	x	x	x	x	x	x	x	✓	TRANSPARENT D220	1 1/4"	1"	ACCORDING TO UNI 10637/2016 only D.640-800mm	6-way valve included
640	1 1/2"	0,6	✓	x	x	x	x	x	x	x	✓		1 1/4"	1"		
800	2"	0,6	✓	x	x	x	x	x	x	x	✓		1 1/4"	1"		
✓ - Included ● OP - Optional ● X - Not included																

✓ - Included • OP - Optional • X - Not included

VALVES AND CONNECTIONS

2
YEARS OF WARRANTY

FILTERS

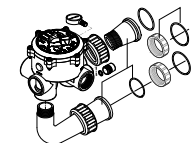


6 way valves - and connections

Ref.	Description
SP0719SKR-LP	6 Way Valve - 1 ½" (Roma Filter) - Black Color
250120011300	6 Way Valve - 2" (San Sebastian - Roma Filter) - Black Color
HCV2575E	6 Way Valve - 2 ½" (Malaga Filter) - Black Color
HCV375E	6 Way Valve 3" - Black Color Malaga: (HCFM43902LVA - HCFM47902LVA)
HCV475E	6 Way Valve - 4" (Malaga Filter) - Black Color

Fitting - Connections -6-way valves

Spare parts		Description
SPX0719PAKKR	Included - Filter as standard	1 ½" black Union set
500200061100	Included - Filter as standard	2" black Union set (Laminated San Sebastian - Roma-D.800mm)
500300060500	Not included - Filter as standard	2 ½" union set for Malaga - black color
500300060100	Not included - Filter as standard	RCFI0006.01R - 3" union set for (Malaga 3")
500300060400	Not included - Filter as standard	4" union set for malaga 4" (Malaga)



*Example fitting connection



Range: 2½" / 3" / 4"

- 1 Metric and imperial quick connect unions
- 2 Heavy duty ABS construction
- 3 Durable lever action handle
- 4 6 way multiple valve positions
- 5 High grade stainless steel components
- 6 Pressure gauge
- 7 Wear resistant rotor
- 8 Clear sight glass for backwash inspection

MANUAL BATTERIES

2
YEARS OF WARRANTY



Unassembled batteries for filter reference 2,5 and 4 bar



Unassembled batteries with Netvitc system valves

Manual unassembled filter batteries

- Manual filter batteries are fitted with five high-quality PVC butterfly valves and a pressure gauge control panel.
- Batteries with Netvitc system valves use A2 stainless steel screws
- Delivered unassembled single package. Easy to manage and transport
- Right or left installation possible, hand easy installation guide included
- Batteries assembled on request

Reference	Designation	Reference	Designation
HCB634UN	Unassembled 5 valves - Battery D63 - 2,5-4 bar	HCB634UNET	BAT.NETVITC MANUAL D.63 UNASSEMBLED MANOMETER INCLUDED 2,5/4 BAR
HCB754UN	Unassembled 5 valves - Battery D75 - 2,5-4 bar	HCB754UNET	BAT.NETVITC MANUAL D.75 UNASSEMBLED MANOMETER INCLUDED 2,5/4 BAR
HCB904UN	Unassembled 5 valves - Battery D90 - 2,5-4 bar	HCB904UNET	BAT.NETVITC MANUAL D.90 UNASSEMBLED MANOMETER INCLUDED 2,5/4 BAR
HCB1104UN	Unassembled 5 valves - Battery D110 - 2,5-4 bar	HCB1104UNET	BAT.NETVITC MANUAL D.110 UNASSEMBLED MANOMETER+CLAMPS INCLUDED 2,5/4 BAR
HCB1254UN	Unassembled 5 valves - Battery D125 - 2,5-4 bar	HCB1254UNET	BAT.NETVITC MANUAL D.125 UNASSEMBLED MANOMETER+CLAMPS INCLUDED 2,5/4 BAR
HCB1404UN	Unassembled 5 valves - Battery D140 - 2,5-4 bar	HCB1404UNET	BAT.NETVITC MANUAL D.140 UNASSEMBLED MANOMETER+CLAMPS INCLUDED 2,5/4 BAR
HCB1604UN	Unassembled 5 valves - Battery D160 - 2,5-4 bar	HCB1604UNET	BAT.NETVITC MANUAL D.160 UNASSEMBLED MANOMETER+CLAMPS INCLUDED 2,5/4 BAR
HCB2004UN	Unassembled 5 valves - Battery D200 - 2,5-4 bar	HCB2004UNET	BAT.NETVITC MANUAL D.200 UNASSEMBLED MANOMETER+CLAMPS INCLUDED 2,5/4 BAR
HCB2254UN	Unassembled 5 valves - Battery D225 - 2,5-4 bar	HCB2254UNET	BAT.NETVITC MANUAL D.225 UNASSEMBLED MANOMETER+CLAMPS INCLUDED 2,5/4 BAR
HCB2504UN	Unassembled 5 valves - Battery D250 - 2,5-4 bar		

EQUIPMENT DETAILS BY CONNECTIONS

								
Connections	Rods	Clamps	Standard Valves	Netvitc Valves	Fitting and pipes	Screws and joins	Pressure gauge panel	Guide line, Cutting Pipe
ø 63	X (option)	X (option)	V	V	V	V	V	V
ø 75	X (option)	X (option)	V	V	V	V	V	V
ø 90	X (option)	X (option)	V	V	V	V	V	V
ø 110	X (option)	V	V	V	V	V	V	V
ø 125	X (option)	V	V	V	V	V	V	V
ø 140	X (option)	V	V	V	V	V	V	V
ø 160	X (option)	V	V	V	V	V	V	V
ø 200	X (option)	V	V	V	V	V	V	V
ø 225	X (option)	V	V	X	V	V	V	V

AUTOMATIC BATTERIES

With electric actuators

2
YEARS OF WARRANTY



Electric actuators

Automatic valve batteries with electric actuators

- Automatic valve batteries are fitted with five high-quality PVC butterfly valves and a pressure gauge control panel
- Delivered unassembled single package. Easy to manage and transport
- Right or left installation possible, easy installation guide included
- Batteries assembled on request
- Supplied with 3 electric actuators with security block (BSR), that close the valves in case of power cutdown, protecting the filter from overpressure and avoiding the pool from emptying.

Recommendation of positioning the valves

	BSR				
POSITION	1	2	3	4	5
FILTRATION	Open	Closed	Closed	Closed	Open
BACKWASH	Closed	Open	Open	Closed	Closed
RINSE	Open	Closed	Closed	Open	Closed
CLOSED	Closed	Closed	Closed	Closed	Closed

24 - 240 V MULTIVOLTAGE PCB : All actuators have been set-up to work from 24 to 240, either in DC and in VAC.

Housing: Anticorrosive polyamide (lid & body) Main external shaft: stainless steel

External screws: stainless steel

Gears: Steel and polyamide

Visual position indicator: Polyamide

Dome: Polycarbonate

Adjustable internal cams: Polyamide Electric motor: Single phase, Brushless.

Insulation: Class B

Minimum use guaranteed 60.000 cycles



Reference	Description
HCBEL634UN	Automatic battery set with electric actuators Ø 63 - unassembled
HCBEL754UN	Automatic battery set with electric actuators Ø 75 - unassembled
HCBEL904UN	Automatic battery set with electric actuators Ø 90 - unassembled
HCBEL1104UN	Automatic battery set with electric actuators Ø 110 - unassembled
HCBEL1254UN	Automatic battery set with electric actuators Ø 125 - unassembled
HCBEL1404UN	Automatic battery set with electric actuators Ø 140 - unassembled
HCBEL1604UN	Automatic battery set with electric actuators Ø 160 - unassembled
HCBEL2004UN	Automatic battery set with electric actuators Ø 200 - unassembled
HCBEL2254UN	Automatic battery set with electric actuators Ø 225 - unassembled
HCBEL2504UN	Automatic battery set with electric actuators Ø 250 - unassembled

AUTOMATIC BATTERIES

With pneumatic actuators

2
YEARS OF WARRANTY



Air compressor not included



Pneumatic actuators

Automatic valve batteries with pneumatic actuators

- Automatic valve batteries are fitted with five high-quality PVC butterfly valves and a pressure gauge control panel.
- Delivered unassembled single package. Easy to manage and transport
- Right or left installation possible, easy installation guide included
- Batteries assembled on request
- Supplied with 3 single effect pneumatic actuators that close the valves in case of power cutdown or pneumatic failure, protecting the filter from overpressure and preventing the pool from emptying.
- Provided with 5/2-way 24 VDC electrovalves.

	SE				
POSITION	1	2	3	4	5
FILTRATION	Open	Closed	Closed	Closed	Open
BACKWASH	Closed	Open	Open	Closed	Closed
RINSE	Open	Closed	Closed	Open	Closed
CLOSED	Closed	Closed	Closed	Closed	Closed

GENERAL CHARACTERISTICS OF PNEUMATIC ACTUATORS

Supply: dry or lubricated filtered compressed air; pressure: min. 1 Bar, max. 10 Bars.

- The lubrication carried out by the manufacturer is guaranteed for min. 1.000.000 manoeuvres.
- Inside surface finish (Ra 0.4-0.6 mm) to minimize friction and to maximize the life of the actuator.
- Standard design for temperatures from -20°C to +80°C.
- External protection: resistance to corrosion of 500 hrs in salty fog according to ASTM B117-73.
- Body, heads and pistons: made from aluminium alloy



Reference	Description
HCBPN634UN	Automatic battery set with Pneumatic actuators Ø 63 24 VDC - unassembled
HCBPN754UN	Automatic battery set with Pneumatic actuators Ø 75 24 VDC - unassembled
HCBPN904UN	Automatic battery set with Pneumatic actuators Ø 90 24 VDC - unassembled
HCBPN1104UN	Automatic battery set with Pneumatic actuators Ø 110 24 VDC - unassembled
HCBPN1254UN	Automatic battery set with Pneumatic actuators Ø 125 24 VDC - unassembled
HCBPN1404UN	Automatic battery set with Pneumatic actuators Ø 140 24 VDC - unassembled
HCBPN1604UN	Automatic battery set with Pneumatic actuators Ø 160 24 VDC - unassembled
HCBPN2004UN	Automatic battery set with Pneumatic actuators Ø 200 24 VDC - unassembled
HCBPN2254UN	Automatic battery set with Pneumatic actuators Ø 225 24 VDC - unassembled
HCBPN2504UN	Automatic battery set with Pneumatic actuators Ø 250 24 VDC - unassembled

AUTOMATIC BATTERIES

Equipment details for unassembled batteries

2
YEARS OF WARRANTY

BATTERIES WITH ELECTRIC ACTUATORS

Connections	Rods	Clamps	Valves	Fitting and pipes	Screws and joins	Pressure gauge panel MP25	Pressure switch	Control box
ø 63	X (option)	X (option)	ø 63	V	V	V	X (option)	X (option)
ø 75	X (option)	X (option)	ø 75	V	V	V	X (option)	X (option)
ø 90	X (option)	X (option)	ø 90	V	V	V	X (option)	X (option)
ø 110	X (option)	V	ø 110	V	V	V	X (option)	X (option)
ø 125	X (option)	V	ø 125	V	V	V	X (option)	X (option)
ø 140	X (option)	V	ø 140	V	V	V	X (option)	X (option)
ø 160	X (option)	V	ø 160	V	V	V	X (option)	X (option)
ø 200	X (option)	V	ø 200	V	V	V	X (option)	X (option)
ø 225	X (option)	V	ø 225	V	V	V	X (option)	X (option)
ø 250	X (option)	V	ø 250	V	V	V	X (option)	X (option)

BATTERIES WITH PNEUMATIC ACTUATORS

Connections	Rods	Clamps	Valves	Fitting and pipes	Screws and joins	Pressure gauge panel MP25	Limit switch	Pressure switch	Control Box
ø 63	X (option)	X (option)	ø 63	V	V	V	X (option)	X (option)	X (option)
ø 75	X (option)	X (option)	ø 75	V	V	V	X (option)	X (option)	X (option)
ø 90	X (option)	X (option)	ø 90	V	V	V	X (option)	X (option)	X (option)
ø 110	X (option)	V	ø 110	V	V	V	X (option)	X (option)	X (option)
ø 125	X (option)	V	ø 125	V	V	V	X (option)	X (option)	X (option)
ø 140	X (option)	V	ø 140	V	V	V	X (option)	X (option)	X (option)
ø 160	X (option)	V	ø 160	V	V	V	X (option)	X (option)	X (option)
ø 200	X (option)	V	ø 200	V	V	V	X (option)	X (option)	X (option)
ø 225	X (option)	V	ø 225	V	V	V	X (option)	X (option)	X (option)
ø 250	X (option)	V	ø 250	V	V	V	X (option)	X (option)	X (option)

Air compressor not included

OPTIONS FOR BATTERIES

For all filters

2
YEARS OF WARRANTY

Support Rods and fixation clamps

HILTI - CLAMPS:



Ref	Description
259007500000	D75-1 Unit clamps Hilti
259009000000	D90-1 Unit clamps Hilti
259011000000	D110-1 Unit clamps Hilti
259012500000	D125-1 Unit clamps Hilti
259014000000	D140-1 Unit clamps Hilti
259016000000	D160-1 Unit clamps Hilti
259020000000	D200-1 Unit clamps Hilti
259022500000	D225-1 Unit clamps Hilti
259025000000	D250-1 Unit clamps Hilti

HILTI-RODS



Ref	Description
259010000000	2 RODS (2 meters) + 4 CAPS included
259000000010	2 RODS (3 meters) + 4 CAPS included
259010000020	Kit 4 CAPS for HILTI RODS

Guideline Rods by filters



	BOBBIN SERIES			BRASIL SERIES	ARTIK SERIES	NEW ENZO SERIES
ø Filters	STANDARD 1 m bed depth	FH1000 (UNI) / DIN 1,2 m bed depth	DIN 1,5 m bed depth	1m bed depth	1 m bed depth	1 m bed depth
ø 1 050	2 meters	2 meters	3 meters	2 meters	2 meters	2 meters
ø 1 200	2 meters	2 meters	3 meters	2 meters	2 meters	2 meters
ø 1 400	2 meters	2 meters	3 meters	2 meters	2 meters	2 meters
ø 1 600	2 meters	2 meters	3 meters	2 meters	2 meters	3 meters
ø 1 800	2 meters	2 meters	3 meters	2 meters	2 meters	3 meters
ø 2 000	2 meters	2 meters	3 meters	2 meters	2 meters	3 meters
ø 2 200	2 meters	-	-	-	2 meters	-
ø 2 350	2 meters	3 meters	3 meters	2 meters	-	-
ø 2 500	3 meters	3 meters	3 meters	3 meters	-	-
ø 3 000	3 meters	3 meters	3 meters	-	-	-
ø 3 000	3 meters	3 meters	3 meters	-	-	-

Liquid viewers for backwash

Ref	Description
100174200631	D63 - Liquid viewer NETVITC® system
100174200750	D75 - Liquid viewer Socket Flange
100174200900	D90 - Liquid viewer Socket Flange
100174201100	D110 - Liquid viewer Socket Flange
100174201250	D125 - Liquid viewer Socket Flange
100174201400	D140 - Liquid viewer Socket Flange
100174201600	D160 - Liquid viewer Socket Flange
100174202001	D200 - Liquid viewer NETVITC® system



OPTIONS FOR BATTERIES

2
YEARS OF WARRANTY



Pressure switch

- Pressure switch to install on automatic batteries.
- Wide regulation range, small size to save space
- Max. working pressure: 18 bar. Differential range: 0.4 to 1.5 bar.
- Ambient pressure: -40 to +70°C
- Entry for cables 6 to 14 mm diameter
- Connection: 1/4"
- Protection: IP33

Ref	Description
210335000000	Pressure switch KPI35.B



Limit switch box for pneumatic actuators

- Limit switch to install on pneumatic actuators.
- Indicates and sends signal of the position open / closed of the valve
- SPDT mechanical switch
- Protection: IP67

Ref	Description
HCBSBPNV	Limit switch box for pneumatic actuators



2 models available

Control box for automatic electric and pneumatic batteries

- Electric control box for a battery of 5 automatic valves (pneumatic or electric)
- Can switch on/off other equipment as the salt chlorinator system, the control panel for dosing, etc.
- The control is achieved by means of time scheduling (day and hour) and by a contextual navigation with a big and backlight LCD screen
- Optionally it can be triggered by an external input signal such as a pressure switch

Ref	Description
HCBCBOX	Control box for batteries
HCBCBOXLT	Control box for batteries +level control for balance tank

AUTOMATIC BATTERIES

General guidelines

2
YEARS OF WARRANTY

Selection of Battery

First step: Select option: 1.1 or 1.2
1.1 -Assembled (only bobbin filters)
1.2 -Unassembled (available for all filters)

Second step: Select option: 2.1 or 2.2
2.1 -Pneumatic actuators
2.2 -Electric actuators

Selection of Control box

Option 1
HCBCBOX, Control box for batteries

Option 2
HCBCBOXLT, Control box for batteries & level control for balance tank

Automatic batteries with electric actuators



Assembled batteries available for bobbin filters
Unassembled batteries available for all filters (laminated and bobbin)

+



+



HCBCBOX- Control box for batteries

Control box for filtration through set filter and battery with 5 automatic butterfly valves.

HCBCBOXLT - Control box for batteries & Level Control for balance tank

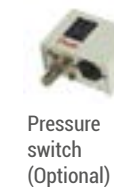
Control box for filtration through set filter and battery with 5 automatic butterfly valves and level control for balance tank (probes included).

Automatic batteries with pneumatic actuators



Assembled batteries available for bobbin filters
Unassembled batteries available for all filters (laminated and bobbin)

+



+



HCBCBOX - Control box for batteries

Control box for filtration through set filter and battery with 5 automatic butterfly valves.

HCBCBOXLT - Control box for batteries & Level Control for balance tank

Control box for filtration through set filter and battery with 5 automatic butterfly valves and level control for balance tank (probes included).

HCF SWIMCLEAR SERIES

Cartridge filter - SwimClear™

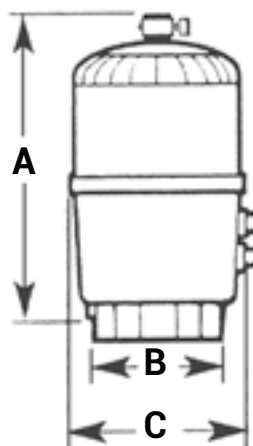
5
YEARS OF WARRANTY



Trouble-free crystal-clear water

- Ultra-fine filtration - twice as efficient as a sand filter: 20 to 25 microns
- Very large filtration area
- Reduced maintenance: once a season under normal conditions
- Small ground footprint
- No backwashing: saves on water, heating and chemicals
- Can be installed outdoors thanks to its weather-resistant tank
- Operating pressure : 3.5 bar

► Ultra-fine filtration:
20 to 25 microns



	Effective filtration area	Ref. flow rate (sand filter)	In/Out	Empty weight	Ref.
SWIMCLEAR™	63.2 m²	35 m³/h	63 mm	39 kg	HCF7030CE

Dimensions		
A	B	C
1 330	457	660

REPLACEMENT SWIMCLEAR™ CARTRIDGES	Item	O.D.	I.D.	Height	Quantity required	Item
	HCF7030CE	177.8 mm	75 mm	485.8 mm	8	CX591XRE

VITRAFIL

Glass active filter



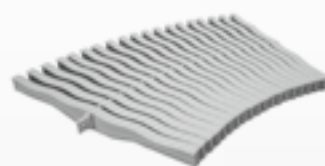
Glass active filter medium

- Does not generate biofilm, no agglomeration, avoids formation of preferential paths
- Extremely hard-wearing. 100-year lifetime
- Reduces consumption of chemicals by up to 50% and the time taken for backwashing, saving water
- Certified by Bureau Veritas, 100% free of impurities, clean right from the start

Ref	Packaging	Quantity	Granulometry Ø (mm)	Weight (kg)	Vol. (m³)
260400002000	Bag	20	0.6	20.1	0.024
260400100000	Pallet	1 000	0.6	1000	1



FOCUS ON COMMERCIAL WHITE GOODS



GRATING



COUNTER-CURRENT EQUIPMENT



WHITE GOODS

Global Solution for public pools

OUR RANGE OF WHITE GOODS

White goods allow water to be circulated and they are also used for pool lighting. It is very important to choose them with care as they are integrated into the pool and therefore contribute to its durability. Among our various ranges of skimmers, lights, main drains, etc., you will be able to find the components that are best suited to your pool, regardless of its construction material, be it a vinyl, concrete, fibreglass or panel pool.

WHITE GOODS

AUTO-SKIM SKIMMER SERIES	68
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MAIN DRAIN GRATINGS	80

White Goods

Auto-Skim Skimmer series

2
YEARS OF WARRANTY



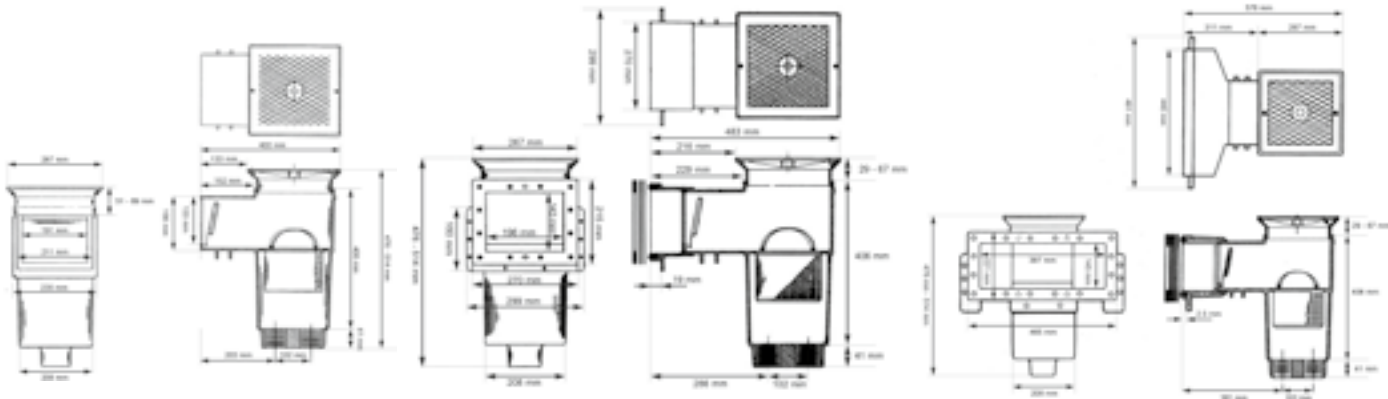
SP1082



SP1084



SP1085



SP1082

SP1084

SP1085

AUTO-SKIM SKIMMER SERIES

Description	Feed through size in mm	Concrete Item	Vinyl Item
Straight skimmer	129	SP1082	-
Small-mouth skimmer	229 / 229	SP1084C	SP1084
Large-mouth skimmer	325 / 253 / 325	SP1085C	SP1085
Pack of long screws (32 mm)	-	-	SPX1085Z1AM

AUTO-SKIM ECONOMY SKIMMER SERIES

Straight skimmer	127	SP1096	-
Large-mouth straight skimmer	317	-	SP1097
Skimmer liner Dyna Skim and Skim Vac	-	-	SP1094WF

DELUXE COMBO SKIMMER SERIES

Small-mouth Skimmer	-	-	SP1089
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White Goods

Outlet fittings

2
YEARS OF WARRANTY

3150



Water level regulator

Tap easily removable from within

Item

Water level regulator

3150



SP1023E19D

1.5" - 2" adjustable outlet for Fibreglass

Item

Multi-directional outlet for fiberglass (Ø 19)

SP1023E19D

Multi-directional outlet for fiberglass (Ø 25)

SP1023E19E



SP1425

2" adjustable outlet

Floor-mounting Item

Wall-mounting Item

2" adjustable outlet

SP1425

SP1424

SP1419A

SP1420E

SP1419DE

SP1419BE

SP1419CE

SP1419E



Multi-directional outlets

Union fitting

Diameter (mm)

Item

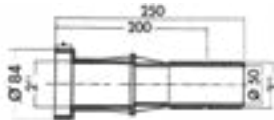
Outlet	1 ½" MIP	-	SP1419A*
Outlet	1 ½" MIP	10 - ¾"	SP1419BE
Outlet	1 ½" MIP	12 - ½"	SP1419CE
Outlet	1 ½" MIP	19 - ¾"	SP1419DE
Outlet	1 ½" MIP	25 - 1"	SP1419EE
Outlet with flexible end	1 ½" MIP	25 - 1"	SP1420E

* Split eyeball

Wall inlets



3352



Wall inlet 3352

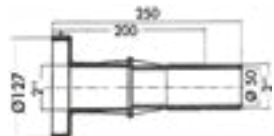
Item

Wall inlet

3352



3353



Wall inlet 3353

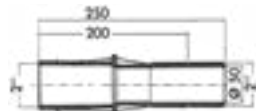
Item

Wall inlet

3353



3350



Wall inlet 3350

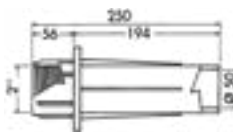
Item

Wall inlet

3350



3358



Wall inlet 3358

Item

Wall inlet

3358

White Goods

Outlet fittings

2
YEARS OF WARRANTY

Through pipes for polyester or liner nozzles



3319

2" screw-in and 63 mm adhesive adjustable outlet for Concrete and Vinyl pools

Concrete Item

Vinyl Item

2" adjustable outlet	3318	3319
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3302-3303

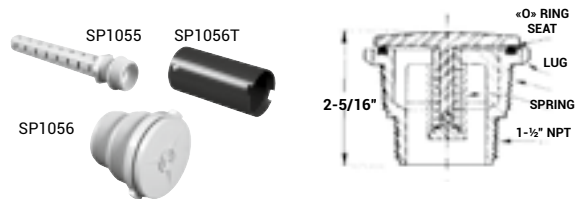
Ø 90 mm adhesive adjustable outlet for concrete and vinyl pools

Concrete Item

Vinyl Item

Ø 90 mm adjustable outlet	3302	3303
---------------------------	------	------

Main drains



Hydrostatic valve and drainage tube for main drains - SP1080 series

Ref

Valve	SP1056
Drain	SP1055
Assembly key for SP1056	SP1056T



Anti-entrapment main drain WG Series

Concrete Ref

Vinyl Ref

HAYWARD® 1.5" main drain	WG1051AVE	WG1048AVE
HAYWARD® 2" main drain, side	WG1054AVE	WG1049AVE

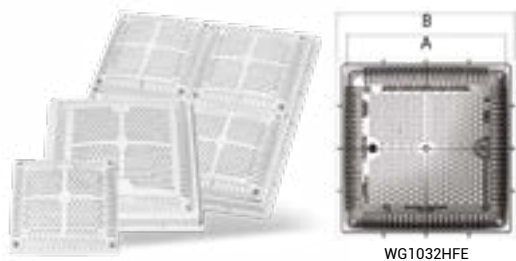
Ref

1" adjustable collar for SP1054 main drain	SP1051X
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Concrete Anti-entrapment main drain WG1154AVE Series

Ref

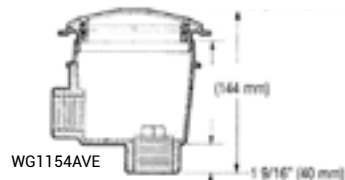
Concrete main drain	WG1154AVE
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WG1032HFE

Main drain grating - Concrete

Suction area	Dim A	Dim B	Reference
271 cm²	225	225	WG1031HFE
436 cm²	305	305	WG1032HFE
1084 cm²	460	460	WG1033HFE



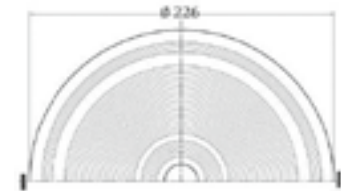
WG1154AVE

White Goods

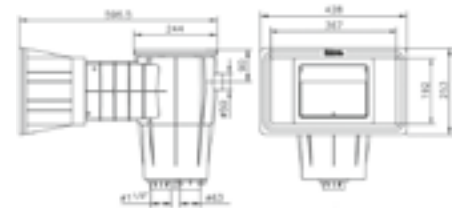
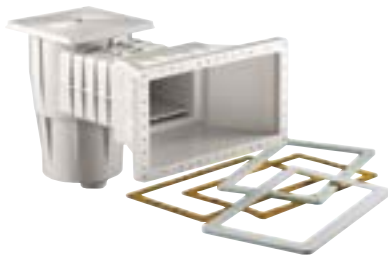
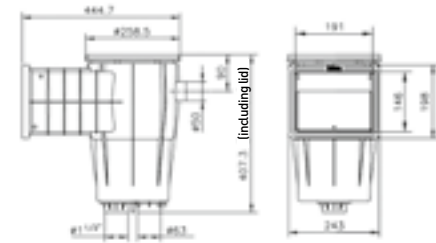
Skimmer

2
YEARS OF WARRANTY

- Available for liner, fibreglass and concrete
- Made of white injected ABS.
- Inlet connection 1.5" or 63 mm (5 m³/h or 7.5 m³/h)
- Overflow connection Ø 32 mm



Lid common to all models



Ref.	Frame	Type of pool	Type of mouth	Connection (mm)	Stainless steel insert	Weight (kg)	Vol. (m³)	C.S.U.
060110100000	Square	Concrete	Standard	1 1/2" - 63	-	3.3	0.046	1
060111100000	Square	Concrete	Wide	1 1/2" - 63	-	3.8	0.105	1
060110200000	Square	Liner	Standard	1 1/2" - 63	-	6	0.046	1
060110300000	Square	Liner	Standard	1 1/2" - 63	Yes	6	0.046	1
060111200000	Square	Liner	Wide	1 1/2" - 63	-	6.5	0.105	1
060111300000	Square	Liner	Wide	1 1/2" - 63	Yes	6.5	0.105	1



VERTICAL EXTENSION

Vertical extension for skimmers

- This element is used to adjust the height of the skimmer, so that it is flush with the pool edge.
- For concrete, liner or fibreglass pools

Ref	Model	Height (mm)	Ø internal (mm)	Ø external (mm)
060190000000	EXT	126	218/210	224/218

White Goods

Inlet, Fittings and Main Drains

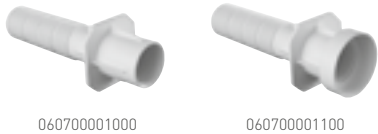
2
YEARS OF WARRANTY

Inlet & Fittings

Made of white injected ABS

Inlet

Ref.	Type of pool	Length mm	Ø connect. tube side	Ø connect. return fitting side	Weight (kg)	Vol. (m³)	C.S.U.
060700001000	Concrete	300	2"- 50	2"	3	0.04	12
060700001100	Liner	300	2"- 50	2"	3	0.04	12



Return fittings - wall fittings

	Ref.	Type of pool	Flow rate (l/h)	Outlet (mm)/ Standard	Connection Ø (mm)	Weight (kg)	Vol. (m³)	C.S.U.	
	060500206400	Concrete	5000	20	63 (PN10)	1.2	0.01	4	slip
	060500205100	Concrete	5000	20	50 / 40	1.2	0.01	4	slip
	060500142000	Concrete	3000	14	2" / 50	1.3	0.01	4	screw-on
	060500202000	Concrete	5000	20	2" / 50	1.3	0.01	4	screw-on
	060500242000	Concrete	7000	24	2" / 50	1.3	0.01	4	screw-on
	060500302000	Concrete	7000	EN 13451	2" / 50	1.3	0.01	4	screw-on
	060500312000	Concrete	7000	EN 13451	2" / 50	1.3	0.01	4	screw-on
	060501142000	Liner	3000	14	2" / 50	1.3	0.01	4	screw-on
	060501202000	Liner	5000	20	2" / 50	1.3	0.01	4	screw-on
	060501242000	Liner	7000	24	2" / 50	1.3	0.01	4	screw-on
	060501302000	Liner	7000	EN 13451	2" / 50	1.3	0.01	4	screw-on
	060501312000	Liner	7000	EN 13451	2" / 50	1.3	0.01	4	screw-on
	060502142000	Liner	3000	14	2" / 50	1.3	0.01	4	screw-on
	060502202000	Liner	5000	20	2" / 50	1.3	0.01	4	screw-on
	060502242000	Liner	7000	24	2" / 50	1.3	0.01	4	screw-on
	060502302000	Liner	7000	EN 13451	2" / 50	1.3	0.01	4	screw-on
	060502312000	Liner	7000	EN 13451	2" / 50	1.3	0.01	4	screw-on

White Goods

Inlet, Fittings and Main Drains

2
YEARS OF WARRANTY

• Suction fittings at base of wall

• Suction fittings (counter-current swimming)

Grating ø 162 mm. For flow rates equal to or greater than 45 m³/h, install 2 suction fittings

Ref.	Type of pool	Flow rate	Adjust-ment	Connection (mm)	Weight (kg)	Vol. (m³)	qty/box
060510002000	Concrete	12000	0 -100%	2" / 50	2.5	0.005	2
060511002000	Liner	12000	0 -100%	2" / 50	0.8	0.003	2

* Models with inserts and screws in stainless steel 304, specific to reinforced liners.



Vacuum fittings

Ref.	Type of pool	Vacuum connection, poolside, Ø 1 1/2"	For adapter model	Plug	Tubing connection Ø (mm)	Weight (kg)	Vol. (m³)	C.S.U.
060600020000	Concrete	Screw-on	RCR38	Thread 1 1/2"	2" / 50	1.5	0.01	4
060610020000	Liner	Screw-on	RCR38	Thread 1 1/2"	2" / 50	1.5	0.01	4
060620020000	Liner	Screw-on	RCR38	Thread 1 1/2"	2" / 50	1.5	0.01	4
060600150000	Concrete	Screw-on	RCR38	Thread 1 1/2"	50 / 40	1.5	0.01	4
060600164000	Concrete	Screw-on	RCR38	Thread 1 1/2"	63 (PN10)	1.2	0.01	4

* Models with inserts and screws in stainless steel 304, specific to reinforced liners.



Ref.	Type of pool	Vacuum connection, poolside, Ø 1 1/2"	For adapter Model	Plug	Tubing connection Ø (mm)	Weight (kg)	Vol. (m³)	C.S.U.
060601020000	Concrete	Pressure	RCP38	Rotating lid	2" / 50	1.6	0.01	4
060601150000	Concrete	Pressure	RCP38	Rotating lid	50 / 40	1.6	0.01	4

* Models with inserts and screws in stainless steel 304, specific to reinforced liners.



White Goods

Main Drains

2
YEARS OF WARRANTY

- Main drains for residential pools

Ref.	Type of pool	Flow rate l/h	Connection Ø	Weight (kg)	Vol. (m³)	C.S.U.
060201000000	Concrete	13000	2"	3.5	0.044	1
060202000000	Liner	13000	2"	3.5	0.044	1
060203000000	Liner	13000	2"	3.5	0.044	1
060230000001	for SRP / SRPL / SRPLI	-	-			1
060230000000	Grating and faceplate for concrete		-	0.3		1

* Models with inserts and screws in stainless steel 304, specific to reinforced liners.



060201000000



060202000000



INSERTS



060230000000



060230000001

- ➔ Gutter drain and level regulation
- Rectangular plastic grating, fixed with stainless steel screws.

Ref.	Type of pool	Flow rate (l/h)	Connection Ø (mm)	Grating (mm)	Weight (kg)	Vol. (m³)	C.S.U.
060700000000	Concrete	7000	63	142x69	1.2	0.005	1

Automatically replenishes the water lost to filter washing, to evaporation, etc.
Square frame and round lid, identical to skimmer elements.

Ref	Internal connection Ø (mm)	External connection Ø (mm)	Weight (kg)	Vol. (m³)	C.S.U.
061400000000	3 / 8"	50	6	0.074	1



060700000000



061400000000

White Goods

Modular gratings

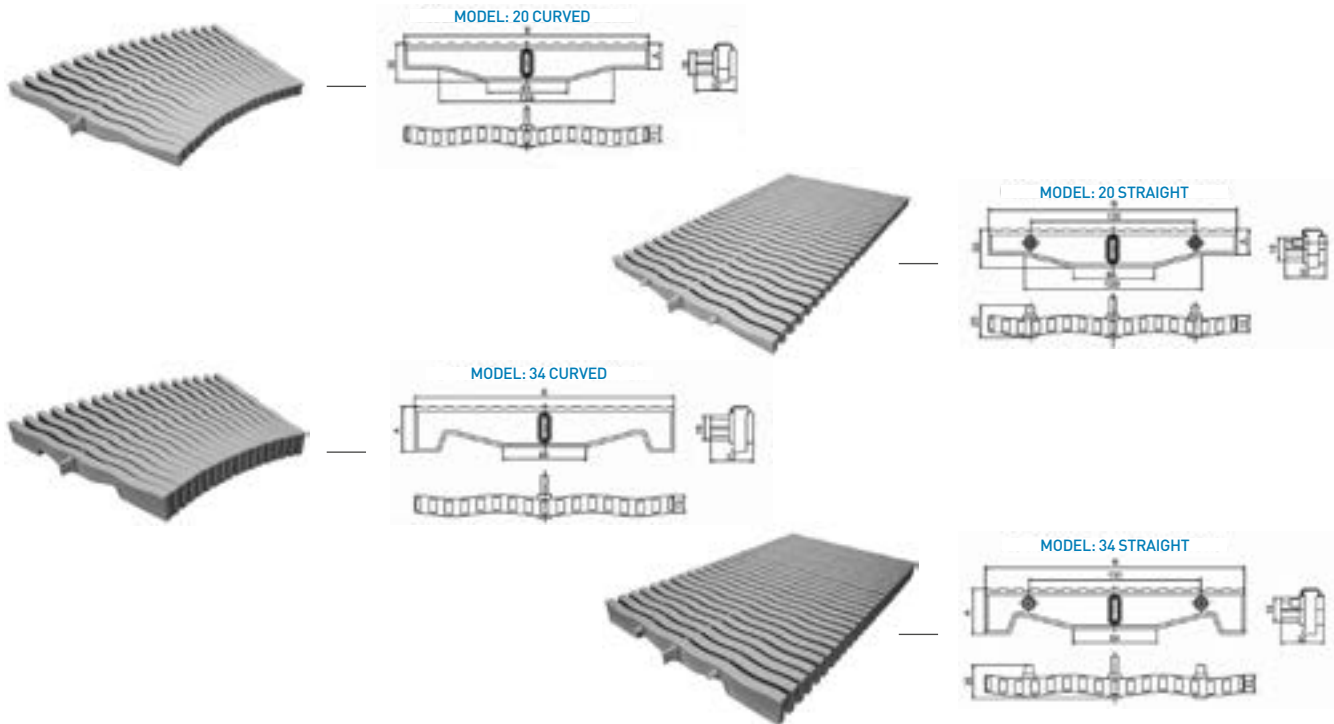
2
YEARS OF WARRANTY

Modular grating

- Made of polypropylene with UV-resistant treatment
- Designed to EN 13451-1
- 55 elements = 1 metre
- The modular elements, connect under applied pressure without adhesive

Ref.	Height A (mm)	Width B (mm)	Elements/box	Meters/box	Weight (kg)	Vol. (m³)	C.S.U.
OVERFLOW GRATINGS - STRAIGHT ELEMENTS (20mm)							
061010202000	20	195	378	6.87	8.2	0.053	1
061010252000	20	245	324	5.89	8.5	0.053	1
061010302000	20	295	297	5.40	8.8	0.053	1
OVERFLOW GRATINGS - CURVED ELEMENTS (20mm)							
061011202000	20	195	378	6.87	7.7	0.053	1
061011252000	20	245	324	5.89	8	0.053	1
061011302000	20	295	297	5.40	8.5	0.053	1
OVERFLOW GRATINGS - STRAIGHT ELEMENTS (34mm)							
061010203400	34	195	351	6.38	8.3	0.053	1
061010253400	34	245	297	5.40	8.7	0.053	1
061010303400	34	295	270	4.90	9.4	0.053	1
OVERFLOW GRATINGS - CURVED ELEMENTS (34mm)							
061011203400	34	195	351	6.38	7.8	0.053	1
061011253400	34	245	297	5.40	8.2	0.053	1
061011303400	34	295	270	4.90	9	0.053	1

Modular grating will be provided in complete boxes. Orders can't be done in lineal meters



White Goods

Corner piece

2
YEARS OF WARRANTY

Corner piece for infinity pools

Polyester reinforced with fibreglass, white, nonslip finish

Ref.	Height (mm)	Width (mm)	Angle	Weight (kg)	Vol. (m³)	C.S.U.
CORNER 90°						
060990202000	20	195	90°	2.7	0.006	1
060990252000	20	245	90°	3.4	0.009	1
060990302000	20	295	90°	4.6	0.012	1
060990203400	34	200	90°	3.1	0.009	1
060990253400	34	250	90°	4.1	0.013	1
060990303400	34	300	90°	5.1	0.018	1
CORNER 45°						
060945202000	20	200	45°	1.8	0.006	1
060945252000	20	250	45°	2.3	0.009	1
060945302000	20	300	45°	2.8	0.012	1
060945203400	34	200	45°	1.9	0.009	1
060945253400	34	250	45°	2.5	0.013	1
060945303400	34	300	45°	3.1	0.018	1

White Goods

Counter-current equipment

2
YEARS OF WARRANTY

Equipped with:

- Swinging and adjustable nozzle 40 mm Ø (water-air)
- Front part of attractive design with built-in pneumatic push-button.
- Housing for pre-installation with check valve and air pipes.
- Electropump HCP1000 Series, power according to model.
- Electropneumatic panel for pump control and protection.
- PVC complete kit (pipe not included).
- Calipso complete front part (optional)

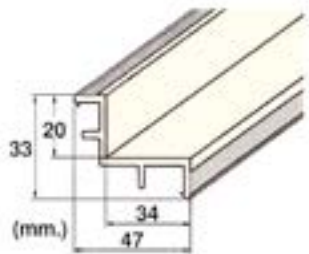


Complete front Part (optional)

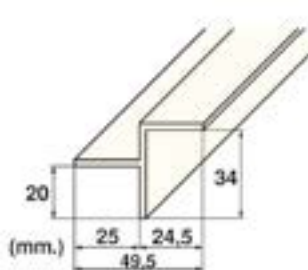
Reference	Mask	Mod. Pump	P2 (hp)	P1 (kW)	Control panel	Weight (kg)	Volume (m³)
062211150000	Calipso	HCP10251E	2.5	2.3	0805KPOWSWIM230	32.8	0.184
062231150000	Calipso	HCP10301E	3	2.8	0805KPOWSWIM230	32.8	0.184
062241450000	Calipso	HCP10303E	3	2.8	0805KPOWSWIM400	32.8	0.184
062251450000	Calipso	HCP10353E	3.5	3.7	0805KPOWSWIM400	36.8	0.184
062261550000	Calipso	HCP10453E	4.5	4.3	0805KPOWSWIM400	36.8	0.184

Grating support profile

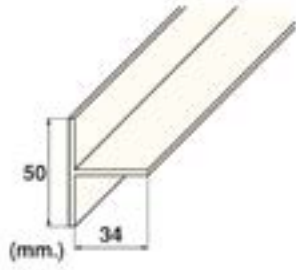
Ref.	Length /unit (mm)	Weight (kg)	Vol. (m³)	qty/box	C.S.U.
061220000000	2000	18	0.096	35	1
061220100000	2000	18	0.096	35	1
061250000000	5000	23.5	0.096	35	1
061260100000	2000	30	0.096	30	1



061220000000



061220100000



061250000000



White Goods

Up stream swimming accessories

2

YEARS OF WARRANTY

Up stream nozzles kit



Ref.	Swimming pool type	Ø Outlet connection (mm)	Ø Inlet connection (mm)	Weight (kg)	Volume (m³)
062610100000	Concrete	50	63 / 2 1/2"	2.1	0.009
062610200000	Polyester	50	63 / 2 1/2"	2.1	0.009
062610300000	Liner	50	63 / 2 1/2"	2.1	0.009

Inlet nozzles



Ref.	Swimming pool type	Ø Connection (mm)
062630100000	Concrete	63 / 2 1/2"
062630300000	Polyester or liner	63 / 2 1/2"

Accessories for up stream swimming



Ref.	Swimming pool type	Ø Connection (mm)	Weight (kg)	Volume (m³)
062640200000	Concrete	50 / 2"	0.3	0.001
062650300000	Polyester or liner	50 / 2"	0.3	0.001

Piezo electric pushbutton switch



Pushbutton for spas. Stainless steel AISI 316. Front screwless.

- Voltage: 1 - 24V AC / DC
- Current: 0.200 A • Resistance "ON": <20 OHMS
- Resistance "OFF": >5 OHMS
- Required pressure: 3 - 5N • Reaction time: 125-300 mSEC
- Operating and storage temperature: -40°C to +125°C.

Ref.	Description	Weight (kg)	Volume (m³)
980000000040	Pushbutton switch	0.40	0.001
980000000085	Control panel	-	-

White Goods

Up stream swimming accessories

2

YEARS OF WARRANTY

Standard air control nozzle



Ref.	Swimming pool type	Ø Connection (mm)	Weight (kg)	Volume (m³)
062640100000	Concrete	50 / 2"	0.3	0.001
062640300000	Polyester or liner	50 / 2"	0.3	0.001

Front part for hidrojet



Ref.	Description	Series Hidrojet
062200002001	Complete front part	Calipso

Hidrojet housing



Ref.	Description
062100003000	Complete housing UNIVERSAL

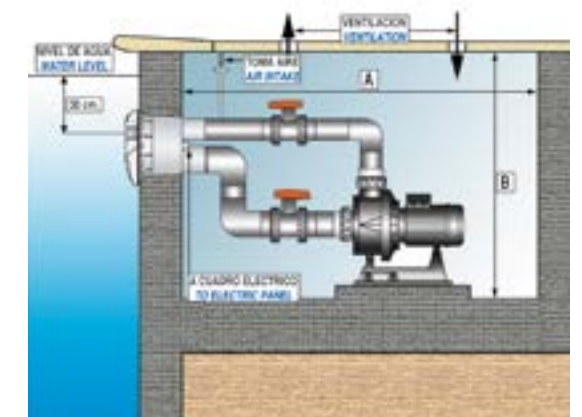
Massage kit for up stream swimming



Ref.	Hose length (mm)
062000004000	2.000

Minimum clearances for the installation

Ref.	Width (mm)	Length (mm) A	Height (mm) B
062211150000	750	1.420	1.000
062231150000 062241450000	750	1.420	1.000
062251450000	750	1.580	1.000
062261550000	750	1.580	1.000
062271550000	750	1.580	1.000



White Goods

Main Drain Gratings

2
YEARS OF WARRANTY

To avoid any risk of getting sucked in, these drain gratings must be installed in pairs.



Main Drain Grating	Concrete Ref	Vinyl Ref	Connections (mm)	Flow rate (m³/h)	Volume (m³)	Weight (kg)
355x355(mm) PVC drain grating						
PVC 355 C75	060301107500	060311107500	75	19	0.035	4.2
PVC 355 C90	060301109000	060311109000	90	28	0.035	4.2
PVC 355 C110	060301111000	060311111000	110	40	0.035	4.2
355x355(mm) STAINLESS STEEL drain grating (AISI 304L)						
STAINLESS 304 355 C75	060303107500	060313107500	75	19	0.035	4.2
STAINLESS 304 355 C90	060303109000	060313109000	90	28	0.035	4.2
STAINLESS 304 355 C110	060303111000	060313111000	110	40	0.035	4.23
512x512(mm) STAINLESS STEEL drain grating (AISI 304L)						
STAINLESS 304 512 C110	060402111000	060412111000	110	40	0.13	11
STAINLESS 304 512 C125	060402112500	060412112500	125	52	0.13	11
STAINLESS 304 512 C140	060402114000	060412114000	140	66	0.13	11
STAINLESS 304 512 C160	060402116000	060412116000	160	89	0.13	11
STAINLESS 304 512 C200	060402120000	060412120000	200	94	0.13	11
512x512(mm) STAINLESS STEEL drain grating (AISI 316L)						
STAINLESS 316 512 C110	060403110000	060413111000	110	40	0.13	11
STAINLESS 316 512 C125	060403112500	060413112500	125	52	0.13	11
STAINLESS 316 512 C140	060403114000	060413114000	140	66	0.13	11
STAINLESS 316 512 C160	060403116000	060413116000	160	89	0.13	11
STAINLESS 316 512 C200	060403120000	060413120000	200	94	0.13	11

Anti-entrapment main drain gratings to ensure bathers' safety

Anti-entrapment panel	Ref.	Dimensions (mm)	Weight (kg)	Volume (m³)
ANTI-VORTEX PANEL 250x250	060330000000	250 x 250	2.1	0,012
ANTI-VORTEX PANEL 480x480	060430000000	480 x 480	4.3	0,025



060330000000060430000000

FOCUS ON
COMMERCIAL
POOL
SURROUND
EQUIPMENT



LADDERS



SHOWERS



SAFETY EQUIPMENT



POOL SURROUND EQUIPMENT

Global Solution for public pools

OUR RANGE OF POOL SURROUND EQUIPMENT

The hardwearing solution with a special touch.

Ladders, showers, handrails,... add the finishing touch to your pool equipment with products that have unrivalled class, and be safe in the knowledge that they will withstand use over time. Opt for greater reassurance by installing our stainless steel products, which exceed the expectations of our most discerning customers. Our design philosophy is always focused on user safety: all products in our pool surround equipment range are approved for connection to an equipotential network, whether through the anchor or through the flange, and our built-in ladders can be equipped with a double safety step to avoid accidents on the rungs. Of course, all our steps have a non-slip surface

POOL SURROUND EQUIPMENT

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SHOWERS AND ACCESSORIES	90
SAFETY EQUIPMENT ACCESSORIES . . .	93
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LADDERS

Technical Specifications

Materials	Stainless steel with bright polished finish, AISI 304 or AISI 316
Tubing diameter	Ø 43 mm
Includes	Non-slip steps, tubing plugs, anchors with earth connection, screws and escutcheon plates.

• STANDARD ladders

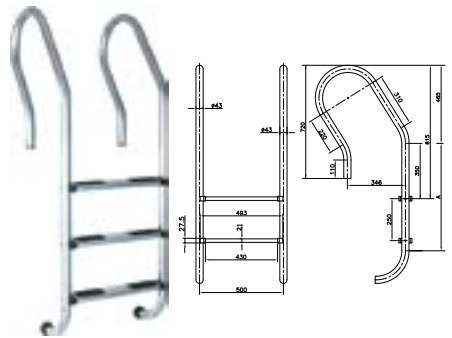
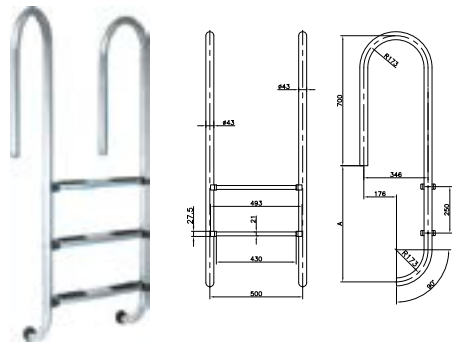
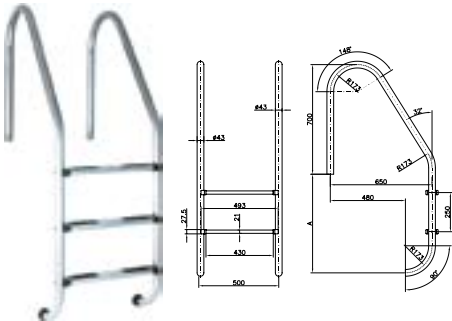
Code	AISI stainless steel	No. steps	Weight (kg)	Vol. (m³)	qty/pallet	C.S.U.	dimensions mm		
							Depth	Width	Height
070110020000	316	2	10	0.078	14	1	650	500	1330
070110030000	316	3	11.5	0.091	14	1	650	500	1580
070110040000	316	4	13.5	0.104	14	1	650	500	1830
070110050000	316	5	15	0.117	14	1	650	500	2080

• STRAIGHT ladders

Code	AISI stainless steel	No. steps	Weight (kg)	Vol. (m³)	qty/pallet	C.S.U.	dimensions mm		
							Depth	Width	Height
070210020000	316	2	9.5	0.051	20	1	346	500	1330
070210030000	316	3	10.5	0.06	20	1	346	500	1580
070210040000	316	4	12.5	0.067	20	1	346	500	1830
070210050000	316	5	14	0.076	20	1	346	500	2080

• MIXED ladders

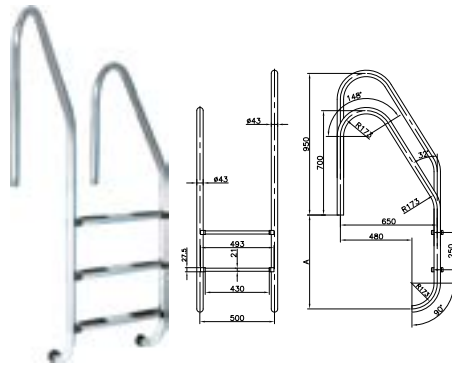
Code	stainless steel	No. steps	Weight (kg)	Vol. (m³)	qty/pallet	C.S.U.	dimensions mm		
							Depth	Width	Height
070310020000	316	2	10	0.078	14	1	346	500	1105
070310030000	316	3	11.5	0.091	14	1	346	500	1355
070310040000	316	4	13.5	0.104	14	1	346	500	1605
070310050000	316	5	15	0.117	14	1	346	500	1855



LADDERS

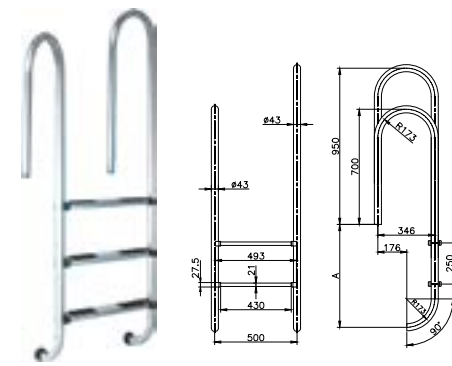
• ASYMMETRIC STANDARD ladders

Code	stain-less steel	No. steps	Weight (kg)	Vol. (m³)	qty/pallet	C.S.U.	dimensions mm		
							Depth	Width	Height
070102030000	304	3	12	0.104	14	1	650	500	1830
070102040000	304	4	14	0.117	14	1	650	500	2080
070102050000	304	5	-	0.267	14	1	650	500	2330



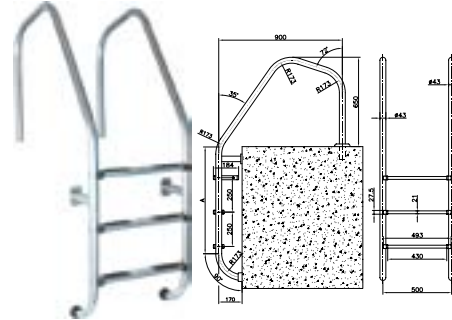
• ASYMMETRIC STRAIGHT ladders

Code	stain-less steel	No. steps	Weight (kg)	Vol. (m³)	qty/pallet	C.S.U.	dimensions mm		
							Depth	Width	Height
070202030000	304	3	11	0.067	20	1	346	500	1830
070202040000	304	4	13	0.076	20	1	346	500	2080
070202050000	304	5	-	0.089	20	1	346	500	2330



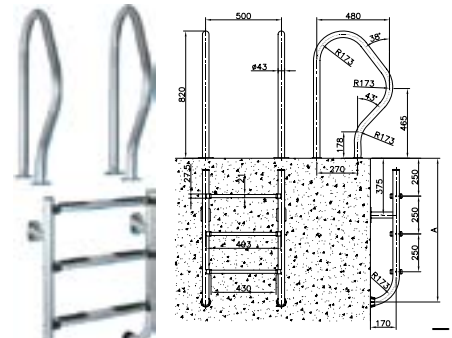
• MUNICH ladders

Code	stain-less steel	No. steps	Weight (kg)	Vol. (m³)	qty/pallet	C.S.U.	dimensions mm		
							Depth	Width	Height
070410020000	316	2	11	0.099	13	1	900	500	1350
070410030000	316	3	13	0.116	13	1	900	500	1600
070410040000	316	4	15	0.134	13	1	900	500	1850
070410050000	316	5	17.5	0.151	13	1	900	500	2100



• TWO-PART ladders

Code	stain-less steel	No. steps	Weight (kg)	Vol. (m³)	qty/pallet	C.S.U.	dimensions mm		
							Depth	Width	Height
070510020000	316	2	9.5	0.108	10	1	480/170	500	1450
070510030000	316	3	11	0.108	10	1	480/170	500	1700
070510040000	316	4	12.5	0.0108	10	1	480/170	500	1950
070510050000	316	5	14	0.159	10	1	480/170	500	2200



LADDERS

Accessories

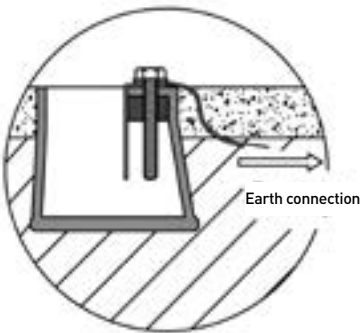
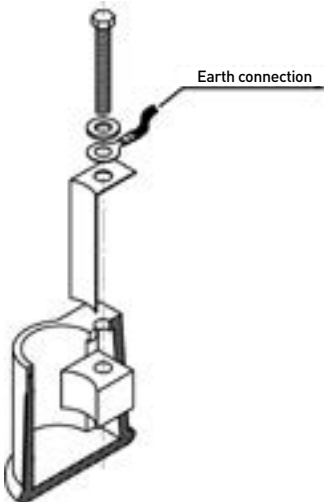
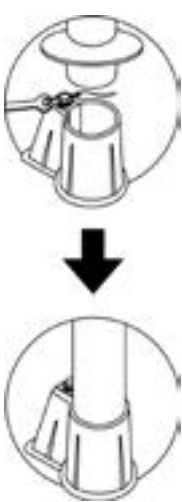
2
YEARS OF WARRANTY

• EASY ACCESS ladders

Code	stainless steel	No. steps	Weight (kg)	Vol. (m³)	qty/pallet	C.S.U.	dimensions mm		
							Depth	Width	Height
070810230000	316	3	16	0.19	-	1	1000	500	1472
070810240000	316	4	17	0.24	-	1	1000	500	1692



DIAGRAM SHOWING INSTALLATION OF THE LADDERS ON THE POOL EQUIPOTENTIAL NETWORK OR EARTHING SYSTEM



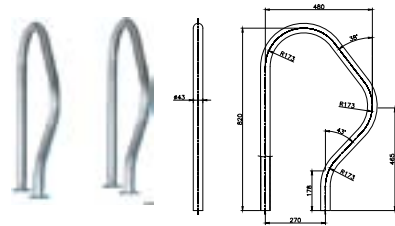
LADDERS

Accessories

2
YEARS OF WARRANTY

• EXIT GRAB RAILS FOR TWO-PART LADDERS

Code	Stainless steel	Units	Tubing Ø mm	Weight (kg)	Vol. (m³)	C.S.U.
070510000100	316	2	43	7.5	0.072	1



DP 1 / PD 1

• UNIVERSAL ANCHORS WITH FLANGES

Code	Stainless steel	Type of anchor	Units	Tubing Ø mm	Height mm	Weight (kg)	Vol. (m³)	C.S.U.
071501203160	316	Folding	1	40	150	0.7	0.015	1

Compatible with the STANDARD, STRAIGHT, ASYMMETRIC and MIXED ranges.
Screws, washers, rawlplugs and elastic joints included.



AB 2
This allows the ladder to be pivoted upwards, without removing it completely, to free up the pool basin for all kinds of other operations.



AB 1
Allows the ladder to be removed manually without the use of tools.

• SAFETY STEP

The safety step is made up of a pair of non-slip surfaces.
All our ladder models are compatible with incorporation of this step.
It can also be added to ladders that are already installed.
Complies with the European standards EN-13451-1 and EN-13451-2

Code	Stainless steel	Weight (kg)	Vol. (m³)	C.S.U.
071502304000	304	9.5	-	1
071502316000	316	9.5	-	1

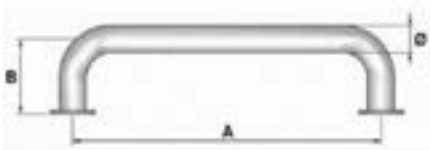


RES 014 / RES 017

LADDERS

Accessories

2
YEARS OF WARRANTY



Stainless steel grab rails

- Made of bright polished AISI 304 stainless steel.
- Attachment with flanges and screws, or built-in.
- Models with flanges are supplied with joints, rawlplugs and screws.



AS 050/100/200/250



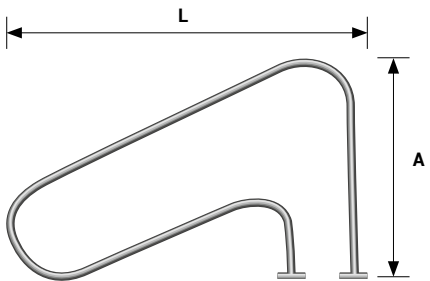
AS 051/101/201/251

Code	Stainless steel	Length A mm	Height B mm	Tubing Ø mm	Attachment	Weight (kg)	Vol. (m³)	C.S.U.
073510050000	304	500	120	43	Built-in	2	0.019	1
073510100000	304	1 000	120	43	Built-in	3.8	0.039	1
073510200000	304	2 000	120	43	Built-in	7.5	0.072	1
073510250000	304	2 500	120	43	Built-in	9	0.089	1
073510051000	304	500	120	43	Screws	2.9	0.023	1
073510101000	304	1 000	120	43	Screws	4.2	0.039	1
073510201000	304	2 000	120	43	Screws	7.9	0.088	1
073510251000	304	2 500	120	43	Screws	9.6	0.109	1

LADDERS

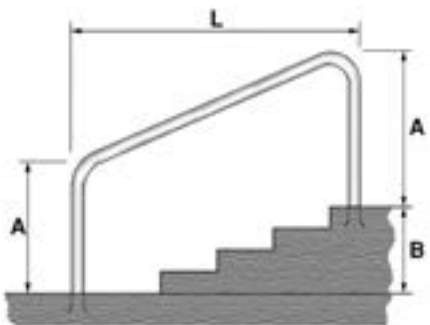
Accessories

2
YEARS OF WARRANTY



Stainless steel handrails

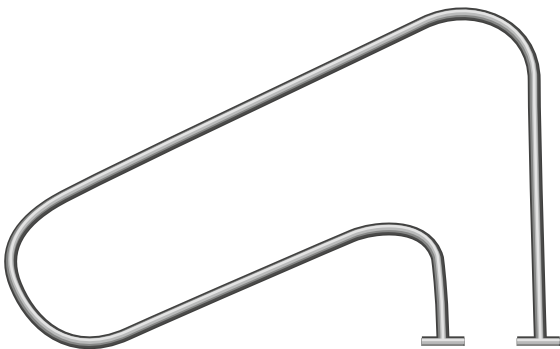
- Made of bright polished AISI 316 stainless steel
- Attachment with flanges and screws, or built-in
- Models with flanges are supplied with joints, rawlplugs and screws.



BP 1200/1500



BP 1201/1501



BPFE 1200/1201

Code	Stainless steel	Length L mm	Height A mm	Tubing Ø mm	Attachment	Weight (kg)	Vol. (m³)	C.S.U.
073610123500	316	1.235	772	43	Built-in	8	-	1
073610123501	316	1.235	772	43	Screws	8	-	1

Built-in handrails are supplied with an anchor featuring a connector to an equipotential network.

SHOWERS

Accessories

2
YEARS OF WARRANTY

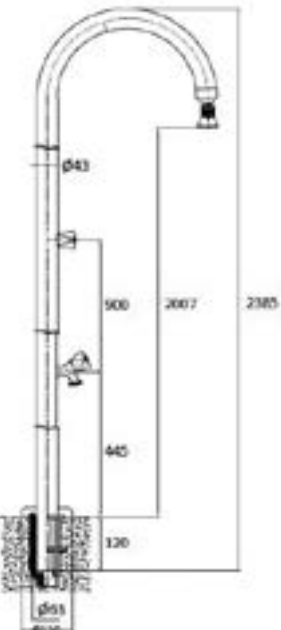


DB 100 / DB 300
without foot wash

DB 101 / DB 301
with foot wash

Baston showers

Elegant and hard-wearing
Made of bright polished AISI 304 and AISI 316 stainless steel
Anchor with integrated earthing connection



Code	Stainless steel	Connection	Tubing Ø mm	Weight (kg)	Vol. (m³)	C.S.U.
072101100000	AISI 316	1 1/2"	43	16	0.1	2
072110100000	AISI 316	1 1/2"	43	16	0.1	2

ANCHOR ADAPTOR FOR MODIFICATION FROM A BASTON SHOWER TO A SINGLE TETRA SHOWER

Code	Description	Ø	Height mm	Weight (kg)	Vol. (m³)	C.S.U.
072590043100	Anchor	1/2"	145	0.2	0.001	1



SHOWERS

Accessories

2
YEARS OF WARRANTY



ARCH



SINGLE



DOUBLE



HOT WATER



QUADRUPLE



FOOT WASH

Tetra showers

Modern design with one or more shower heads
Made of bright polished AISI 304 stainless steel
Attached with screws (included)
Models with or without a foot wash
Manual or Automatic

Code	Type	Foot wash	Connection	Pipe dimensions	Stainless steel	No. shower heads	Weight (kg)	Vol. (m³)	C.S.U.
SINGLE TETRA SHOWER									
072510010000	Manual	No	1/2"	60x60	304	1	8	0.054	1
072510030000	Automatic	No	1/2"	60x60	304	1	8	0.054	1
072510020000	Manual	Yes	1/2"	60x60	304	1	8	0.054	1
072510040000	Automatic	Yes	1/2"	60x60	304	1	8.2	0.054	1
DOUBLE TETRA SHOWER									
072520010000	Manual	No	1/2"	120x60	304	2	17	0.09	1
072520030000	Automatic	No	1/2"	120x60	304	2	17	0.09	1
072520020000	Manual	Yes	1/2"	120x60	304	2	17.5	0.09	1
072520040000	Automatic	Yes	1/2"	120x60	304	2	17.5	0.09	1
QUADRUPLE TETRA SHOWER									
072540040000	Manual	No	3/4"	120x120	304	4	20	0.18	1
TETRA FOOT WASH									
072500020000	Automatic	Yes	1/2"	120x60	304	2	6	0.027	1
TETRA HOT WATER/COLD WATER SHOWER									
072511010000	Manual	No	2x1/2"	120x60	304	1	17	0.09	1
072511020000	Automatic	No	2x1/2"	120x60	304	1	17	0.09	1
TETRA SHOWER ARCH									
072701030000	Manual	No	1/2" - 3/4"	60x60	304	3	18	0.09	1
072701050000	Manual	No	1/2" - 3/4"	60x60	304	5	20	0.09	1
072701130000	Automatic	No	1/2" - 3/4"	60x60	304	3	22	0.09	1
072701150000	Automatic	No	1/2" - 3/4"	60x60	304	5	24	0.09	1

SHOWERS
Accessories

2
YEARS OF WARRANTY

Tetra shower accessories



Code	Description	Width	Height mm	Weight (kg)	Vol. (m³)	C.S.U.
072590060000	Anchor for single Tetra shower	130x130	180	1	0.03	1
072590120000	Anchor for double Tetra shower	250x250	180	1.3	0.113	1
500725000201	Tetra shower head			-	-	1
500725000221	Grille for Tetra shower head			-	-	1
500725000301	Manual Tap Kit			-	-	1
500725000302	Automatic Tap Kit			-	-	1
500725000401	Manual Foot Wash Tap Kit			-	-	1
500725000402	Automatic Foot Wash Tap Kit			-	-	1

SAFETY EQUIPMENT
Accessories

2
YEARS OF WARRANTY

Life ring and supports



SVP



SVS



SVV

Code	Description	Weight (kg)	Vol. (m³)	C.S.U.
073700000000	Life ring Ø 73	3	0.055	1
073710000000	Stainless steel bracket screwed to the wall	1.2	0.009	1
073711000000	Ø 43 x 1000 mm stand with footing	3.1	0.02	1

SURROUND EQUIPMENT

Lift chairs

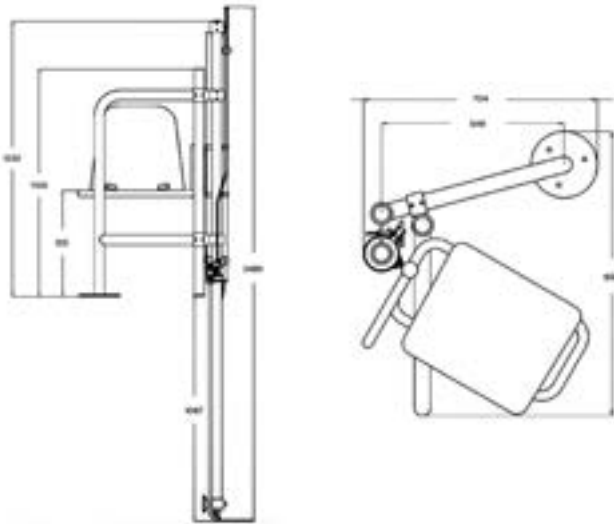
2
YEARS OF WARRANTY



* Non contractual photography

Hydraulic lift chair for pools

- The lift chair has been designed in order to facilitate the access to the pool for people with physical limitations. It has the following characteristics:
- Adjustable structure made in stainless steel AISI 316
- Anchor floor fixation
- Operation of the valve both from inside and outside of the pool
- Seat with safety belt, flip top arm and footrest
- Minimum required depth: 1m



Technical specifications		160100000001
Elevation capacity		120 kg
Rotation angle		160°
Minimum pressure		3.5 kg/cm²
Maximum pressure		5 kg/cm²

SURROUND EQUIPMENT

Lift chairs

2
YEARS OF WARRANTY



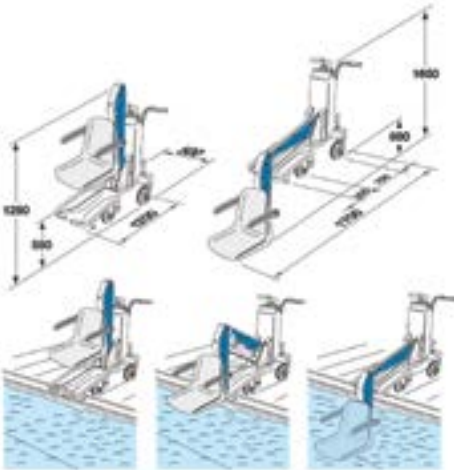
* Non contractual photography

User-friendly BlueOne lift chair for pools

- The user sits on the chair at the front
- Place the device at the pool edge and fix the safety brake.
- Otherwise, the lift will not run.
- Push the DOWN button
- For lifting the chair, push the button UP until the arm recovers
- Seat with safety belt, flip top arm and footrest
- Minimum required depth: 1m

Features

- On/Off key and emergency stop switch
- Hand brake. The lift will only work if the brake is activated
- Emergency manual pump for use in the event of a power cut
- As the arm lowers, two steel rubber capped supports provide additional stability
- Rubber stoppers between the front and the rear wheels to prevent the lift from falling into the water



Accessories

- Cover, to protect BlueOne from the atmospheric agents
- Ramp customised to fit the edge of the pool
- Headrest, to be fitted to the lifting arm, at the back of the seat
- Automatic rubber capped supports
- 5-point harness with pelvic fastening for serious disabilities.
- Emergency hand pump
- External battery charger

Technical specifications		160200000001
Lifting capacity		120 kg
Max. travel		1150 mm
Loaded down-lifting time		23 sec
Loaded up-lifting time		17 sec
Total weight		120 kg
Rechargeable battery		24 Volts
Voltage		12 Volts

Directive 93/42/CEE - Medical Device-DM351258/R
Directive 2006/42/CD - Machine Directive
Directive 2004/108/EC - EMC Electromagnetic Compatibility



SANITIZATION

Global Solution for public pools

OUR RANGE OF SANITIZATION SYSTEMS

Commercial pool sanitization is a key user-friendly feature for the success and attractiveness of the installations.

To ensure that the pool is clean at all times, irrespective of the number of bathers, it's essential to choose the right type of treatment.

The Hayward® Commercial Aquatics sanitization range complies with the various existing regulatory requirements.

Our expertise in this area allows us to offer high-performance, easy-to-use and durable treatment equipment.

SANITIZATION SYSTEM

CONTROL STATION PANEL	100
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HAYWARD® SALT CHLORINATORS



AQUARITE® HC

INCLUDED



Cl Production



Touch Screen



C°



+4



Control of 4 external output



Control filtration and Variable speed pump



OPTIONS



pH



rX



Cl₂



Wi-Fi



AQUARITE® HC LS

INCLUDED



Cl Production



Touch Screen



C°



LOW SALINITY



+4



Control of 4 external output



Control filtration and Variable speed pump



OPTIONS



pH



rX



Cl₂



Wi-Fi

HAYWARD® CONTROLLER RANGE



CONTROL STATION PANEL

INCLUDED



display TFT



Touch Screen



C°



+4



Control of 4 external output



Control filtration and Variable speed pump



OPTIONS



Cl₂



Touch Screen



rX



Wi-Fi



pH

HCS SERIES

Control Station Panel

2
YEARS OF WARRANTY

TOUCH SCREEN

2
YEARS OF WARRANTY



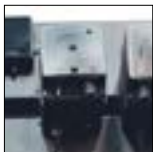
Touch Screen in option



Control Station



Probe holder



Dosing pumps (optional)

An all-in-one solution to manage commercial swimming pools remotely

- Multiparametric control panels that allow easy and effective control of water sanitization, manage and measure your pool water.
- Assembled Panel included:
5 versions available:
pH/ORP/temperature
pH, Free Chlorine (amperometric or potentiostatic) / temperature
pH, ORP, Free Chlorine (amperometric or potentiostatic) / temperature
* Probe holder included and pre-filter cartridge assembled on the panel
- Wifi option available: worldwide remote control
- 5 auxiliary relays for control and management of filtration cycles, heat regulation, lighting and also for additional equipment (outdoor lighting, water feature...)
- Compatible to manage salt chlorinator Systems
- Peristaltic or electromagnetic optional dosing pumps to suit your pool characteristics
- 30 days data recording (with Wifi option)
- Suitable for commercial pools up to 1 000m³
- Modbus RS485 included



Touch Screen

- Large intuitive screen (4,3"), easy to use
- User-friendly
- The only one removable screen in the market for an easy access
- Included AquaRite® HC Commercial*



Touch Screen



Interface

Description	HCCPHORPA	HCCPHCLA	HCCPHCL2A	HCCPHCLORPA	HCCPHCL2ORPA
	pH + ORP + Temperature	pH + Free chlorine + Temperature	pH + Free chlorine + Temperature	pH + ORP + Free chlorine + Temperature	pH + ORP + Free chlorine + Temperature
Dimensions	700 x 600 x 175 mm				
Flow switch	Included				
Temperature probe	Included				
Probes holder	Included				
Free chlorine probe	No	Amperometric	Potentiostatic	Amperometric	Potentiostatic
ORP probe	Yes	No	No	Yes	Yes
Peristaltic pumps	KBPer 1,5 l/h (in option)				
Electromagnetic pump	KB5-5 5 l/h - KB10-5 10 l/h - KB20 20l/h (In option)				
Power supply	230 V-50Hz				
Electronic box	Fireproof plastic ABS black				
Weight	12 Kg				
Touch Screen	In option (CTS-OPTION-TS)				

OPTIONS FOR CONTROL STATION PANEL	Remote Control by wifi module (poolwatch)		Remote control by ethernet (poolwatch)	
	Reference	RS2WI	RS2NET	



*Optional for Control Station Panel (CTS-OPTION-TS)

HCS SERIES
AquaRite® HC2
YEARS OF WARRANTY

Manufactured with Polymeric products in order to prevent corrosion in technical-rooms.

New housing design provides higher heating dissipation.

Salt treatment comfort for large pools

- High-capacity salt chlorinator combined with a pool equipment control box
- Customized domotic solution- select all your water parameters (options)
- Salt chlorination management pH/Redox or free chlorine
- Works at any salt concentration including sea water
- Pool equipment control: filtration, light, temperature and 4 additional devices.
- Remote management (Wifi or Ethernet), multi-pool monitoring (optional solution)
- Self-cleaning cell by polarity reversal
- Suitable for commercial pools up to 1000 m³
- Master - Slave solution: available to manage any pool

AQUARITE®
HC

Control box							
Description	AQR-HC-50*	AQR-HC-85	AQR-HC-125	AQR-HC-175	AQR-HC-250	AQR-HC-350	AQR-HC-500
Number	1					2	
Output	12V-18A	8V-85A	8V-125A	12V-85A	12V-125A	2x (12V-85A)	2x (12V-125A)
Maximum production of chlorine in g/h	50	85	125	175	250	350	500
Salt concentration	from 3 g/l salt water						
Power	230 V 50 Hz						
Dimensions	270x220X115	680x440X320	680x440X320	680x440X320	680x440X320	680x440X320	680x440X320
Maximum weight (kg)	43						
Automatic cell cleaning	Programmable polarity reversal						
Flow switch	J-OPTION : paddle flow switch	J-IND : paddle flow switch industrial					
Cell life monitoring	Yes						
Disinfectant production control	Optional Redox / ppm						
Alarms	pH / Tank/ Low Salt						
Communication	Modbus / wifi						
3 x 110-230 V relays	pH / AUX1 / AUX2						
4 additional auxiliary outputs	Filter / Lighting / AUX3 / AUX4						
Touch Screen	Included						

Cell *							
Description	AQR-HC-50	AQR-HC-85	AQR-HC-125	AQR-HC-175	AQR-HC-250	AQR-HC-350	AQR-HC-500
Number	1				2		
Number of plates	5 (Titanium)	7 (Titanium)	9 (Titanium)	13 (Titanium)	17 (Titanium)	2x13 (Titanium)	2x17 (Titanium)
Minimum flow rate	11 m³/h	15 m³/h			20 m³/h	30 m³/h	40 m³/h
Cell box	Transparent PVC 50/63 mm	Transparent PVC 110 mm			Transparent PVC 140 mm	2 x transparent PVC 110 mm	2 x transparent PVC 140 mm
Connection diameter	63 mm	110 mm			140 mm	110 mm	140 mm
Cell box dimensions	350 mm	650 mm			760 mm	2x650 mm	2x760 mm
Cables	(3 x 4) x 1.5 m	2 (1 x 35) x 2 m	2 (1 x 50) x 2 m	2 (1 x 50) x 2 m	2 (1 x 50) x 2 m	4 (1 x 50) x 2 m	4 (1 x 50) x 2 m
Lifespan	8000 h						
Maximum pressure	4 bar						
Maximum temperature	45 °C						

* See all options available page 106

HCS SERIES
AquaRite® HC Low Salt2
YEARS OF WARRANTY

Manufactured with Polymeric products in order to prevent corrosion in technical-rooms.

New housing design provides higher heating dissipation.

High-capacity Low Salt chlorination

- High-capacity salt chlorinator operating at low salt concentration combined with a pool equipment control box
- Customized domotic solution- select all your water parameters (options)
- Management of salt chlorination, pH/Redox or free chlorine
- Pool equipment control: filtration, light, temperature and 4 additional devices
- Remote management (Wifi or Ethernet), multi-pool monitoring (optional solution)
- Self-cleaning cell by polarity reversal

AQUARITE®
HC LS

Control box										
Description	AQR-HC-0LS*	AQR-HC-1LS*	AQR-HC-2LS*	AQR-HC-3LS*	AQR-HC-4LS	AQR-HC-5LS	AQR-HC-6LS	AQR-HC-7LS	AQR-HC-8LS	AQR-HC-9LS
Number	1								2	
Output	8V-8A	8V-15A	8V-20A	10V-15A	8V-85A	8V-125A	12V-85A	12V-125A	2x (12V-85A)	2x (12V-125A)
Maximum production of chlorine in g/h	5	15	25	40	68	100	140	200	280	400
Salt concentration	from 1.5g/l to 100 gr Na/Cl				from 1.5g/l					
Power	220 V 50/60 Hz				230 V 50 Hz					
Dimensions	270x220X115				680x440X320					
Automatic cell cleaning	Programmable polarity reversal									
Flow switch	J-OPTION : paddle flow switch				J-IND : paddle flow switch industrial					
Weight	-									
Cell lif monitoring	Yes									
Disinfectant production control	Optional Redox / ppm									
Alarms	pH / Tank / Low Salt version									
Communication	Modbus / wifi									
3 x 110-230 V relays	pH / AUX1 / AUX2									
4 additional auxiliary outputs	Filter / Lighting / AUX3 / AUX4									
Touch Screen	Included									

Cell										
Description	AQR-HC-0LS*	AQR-HC-1LS*	AQR-HC-2LS*	AQR-HC-3LS*	AQR-HC-4LS	AQR-HC-5LS	AQR-HC-6LS	AQR-HC-7LS	AQR-HC-8LS	AQR-HC-9LS
Number	1								2	
Number of plates	4 (Titanium)		5 (Titanium)	7 (Titanium)		9 (Titanium)	13 (Titanium)	17 (Titanium)	2x13 (Titanium)	2x17 (Titanium)
Minimum flow rate	3 m³/h	5 m³/h	7 m³/h	9 m³/h	15 m³/h			20 m³/h	30 m³/h	40 m³/h
Cell box	Transparent PVC 63 mm				Transparent PVC 110 mm			Transparent PVC 140 mm	2 x transparent PVC 140 mm	2 x transparent PVC 140 mm
Connection diameter	63 mm				110 mm			140 mm	110 mm	140 mm
Cell box dimensions	355 mm				650 mm			760 mm	2x650mm	2x760mm
Cables	(3 x 4) x 1.5 m				2 (1 x 35) x 2 m	2 (1 x 50) x 2 m	2 (1 x 50) x 2 m	2 (1 x 50) x 2 m	4 (1 x 50) x 2 m	4 (1 x 50) x 2 m
Lifespan	8000 h									
Maximum pressure	4 bar									
Maximum temperature	45 °C									

* Non contractual photography

HCS SERIES

AquaRite® HC Options

2
YEARS OF WARRANTY

Kits of probes



DESCRIPTION	Redox	pH	Free chlorine		Conductivity
Reference	EG-OPTION-REDOX	BG-OPTION-PH	H-OPTION-CL	H-OPTION-CL2	I-OPTION-SAL
Type of probe	Redox glass probe	pH glass probe	Amperometry (Au-Cu)	Potentiostatic	Epoxy
Measuring range	0-1000 mV	0-14 pH	0-10 ppm	0-10 ppm	0-20,000 µS/cm
Measuring accuracy	1mV	0.1 pH	0.1 ppm	0.1 ppm	100 µS/cm
Material	-	-	Copper / Gold	Membrane M48 /ECC1 Electrolyte	-
Probe holder	by-pass prefilter with probe holder	by-pass prefilter with probe holde	Transparent methacrylate with flow detector	Transparent methacrylate with prefilter and flow detector	Connection 1/2"
Additional equipment	Electronic chip / Buffers (465 mV, neutral)	Electronic chip / Buffers (pH7, pH10, neutral)	Includes 2 m of flexible tube / valve	1 Electronic chip / 2 by pass valves / 2 m of flexible tube 8-12 mm / Mounting panel with prefilter	Cable 1.5 m
Connector	-	-	Inductive sensor connection	-	-

Dosing pumps

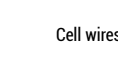
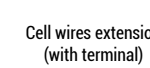
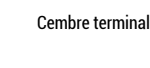
Ref	Pressure (bar)	Flow rate (L/h)	Impulsion / min	Type
KBPER	1	1.5	140	Peristaltic pump
	7	3		
KB5-5	5	5	140	Variable electromagnetic pump
	2	6		
KB10-5	12	4	160	Variable electromagnetic pump
	10	5		
	8	6		
	2	8		
KB20	5	20	300	Variable electromagnetic pump
	4	25		
	2	38		
	0.1	54		

HCS SERIES

AquaRite® HC Options

2
YEARS OF WARRANTY

Spare parts for chlorinators

Description	REF.	AQUARITE HC								AQUARITE HC LOW SALT									
		AQR HC-50	AQR HC-85	AQR HC-125	AQR HC-175	AQR HC-250	AQR HC-350	AQR HC-500		AQR HC-0LS	AQR HC-1LS	AQR HC-2LS	AQR HC-3LS	AQR HC-4LS	AQR HC-5LS	AQR HC-6LS	AQR HC-7LS	AQR HC-8LS	AQR HC-9LS
 Cells 3.5 g/l transparent-cell holder not included	RC502016	●																	
	RC85		●																
	RC125			●															
	RC175				●														
	RC250					●													
	RC350						●												
 Cells 3.5 g/l transparent-cell holder not included	RC500							●											
	RCB05									●									
	RCB16										●								
	RCB332014											●							
	RCB50206												●						
	RCB85													●					
 Transparent PVC cell holder	RCB125														●				
	RCB175															●			
	RCB250																●		
	RCB350																	●	
	RCB500																		●
	RCS22	●								●	●	●							
 Cell wires	RCS50	●											●						
	RCS125		●	●	●		●							●	●	●		●	
	RCS250					●		●									●		●
 Cell wires extension (with terminal)	RCCBT50	●											●						
	RCCBT175		●	●	●		●							●	●	●		●	
	RCCBT250					●		●									●		●
 Cembre terminal	RCCBT33									●	●	●							
	RCCBT750													●					
	RCCBT175														●	●	●		●
 Cembre terminal	RCCBT250																●		●
	RCB50T	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●	●	●

INTERNET OF THINGS

(IOT) - remote control through: wifi or ethernet

WiFi or Ethernet remote control management

Multi-pool monitoring to facilitate service operations from a computer or mobile phone. Download the free application to enjoy the advantages of remote management with the optional wifi or ethernet module. Remote control management can be installed on Aquarite Commercial Salt chlorinator systems or Control panels.

Description	Remote Control by wifi module (poolwatch)	Remote control by Ethernet (poolwatch)
Reference	RS2WI	RS2NET

Connectivity options



Download the **"Hayward® Poolwatch"** app to manage your equipment remotely using the WiFi module or ethernet



New opportunities for pool builders

- Control your customers' pool remotely
- Save time
- Act without leaving your office
- Keep your customer's loyalty

HCSUV SERIES

UV Systems for commercial pools UV



HCSUVMP Smart Series
Manual or Automatic system cleaning
Lamp Power Regulation and Touch Panel

UV Medium Pressure treatment system for commercial pools and spas

- A large range of UV Medium Pressure technology for commercial pools and spas
- New Hayward Medium Pressure technology - stay safe and save water
- Natural sanitization
- High purity Quartz sleeve
- Manual or automatic cleaning system
- Easy and nice Touch Screen*
- Temperature control of reactor and control panel
- Settable on/off timing (power saving)
- Available coating to work with Sea water

*Only for Smart Series



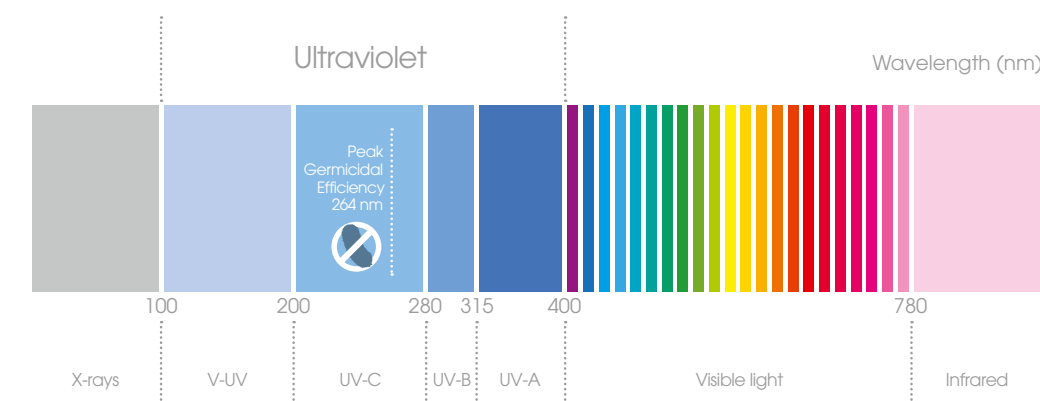
HCSUVMP Ecoline Series
Manual cleaning system



HCSUVSPA Spa Series for spas
Cleaning system not available

Why use UV in Commercial pools?

- Keep your pool "healty" through uv-MP -technology disinfection 99,9% bacteria & reduce combined chlorine in your pool.



HCSUVMP SMART SERIES

UV Medium Pressure Treatment System



2

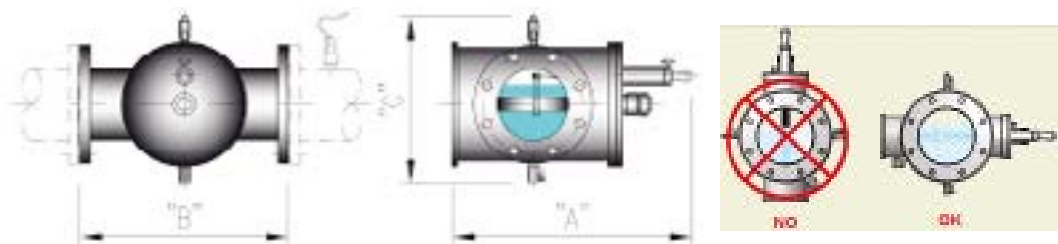
YEARS OF WARRANTY

HCSUVMP Smart Series

- UV Medium Pressure treatment system for spas / Cleaning system manual or automatic

HCSUV Smart Series - Dimensions

	HCSUV35MP	HCSUV55MP	HCSUV115MP	HCSUV170MP	HCSUV290MP	HCSUV350MP	HCSUV500MP	HCSUV750MP	HCSUV1200MP
Panel Dimensions									
Height (mm)	610	720	720	720	720	800	800	1 000	1 000
Width (mm)	400	510	510	510	510	600	600	850	850
Depth (mm)	250	250	250	250	250	250	250	400	400
Reactor Dimensions									
A (mm)	465	465	575	635	635	635	635	635	840
A with auto cleaning (mm)	630	630	740	800	800	820	795	795	990
B (mm)	225	350	500	500	500	825	800	500	1 160
C (mm)	300	300	430	430	430	561	561	520	650



HCSUV Smart Series - AUTO MEDIUM PRESSURE

Automatic cleaning system	HCSUV35MPA	HCSUV55MPA	HCSUV115MPA	HCSUV170MPA	HCSUV290MPA	HCSUV350MPA	HCSUV500MPA	HCSUV750MPA	HCSUV1200MPA
Manual cleaning system	HCSUV35MP	HCSUV55MP	HCSUV115MP	HCSUV170MP	HCSUV290MP	HCSUV350MP	HCSUV500MP	HCSUV750MP	HCSUV1200MP
Maximum Flow rate (m³/h)	35	55	115	170	290	350	500	750	1200
UV dose	60 mJ/cm²								
Water Temperature range	5-50° C (other available on request)								
Total consumption (kW)	0.66	1.1	2.2	2.7	3.9	5.5	7.7	11.6	15.5
Mounting	Horizontal or vertical with lamp in horizontal position								
	UV REACTOR								
Material	316 L Stainless Steel								
Connections	2 1/2"	DN100	DN150	DN200	DN200	DN200	DN250	DN300	DN400
Connection Type	UNI EN 1092-1 PN 10 (other on request)								
Drain & Vent Ports	1/8" / 1/2" M threaded								
Max working pressure (bar/PSI)	10 bar / 145 PSI (test 15 bar / 220 PSI)								
Protection class (IP)	IP65								
Quartz sleeve cleaning system	Manual Standard (Auto Cleaning on request HCSUVxxMPA)								
Quartz Type	High Purity Quartz Sleeves								
Chamber Options	Electropolish Upgrade / Connections Types / Sea water internal Coating								
	UV LAMP								
Number	1	1	1	1	1	2	2	3	4
Lifespan	10000 h								
Lamp power (kW)	0.6	1	2	2.5	3.5	2.5	3.5	3.5	3.5
Lamp Design	Medium Pressure								
	SENSORS								
UVC selective sensor	MP1128S (included)								
Sensor Cable	Shielded cable 6 meters								
Sensor holder material	Stainless steel 316L								
Flow Meter	Provision for 4/20mA analogue input (Flow meter not included)								
Flow Switch	Provision for digital input NO/NC (Not included)								
	CONTROL PANEL								
Material	Glass fiber reinforced polyester (Single lamps models) - Painted Steel (Multi lamps models)								
Color	RAL 7035								
Protection class (IP)	IP 54								
Ambient temperature range	5 - 45° C (other available on request)								
Interface	Touch-Screen (65000 colors)								
Mains Power	400 Vac 3 PH +N +E / 230 Vac 1PH +N +E (other on request)								
Mains Frequency	50/60 Hz (other on request)								
Lamp Power Regulation	Standard								
Lamp cable lenght (m/ft)	6m (other on request, max 40m)								

10g

HCSUVMP ECOLINE SERIES

UV Medium Pressure Treatment System



2

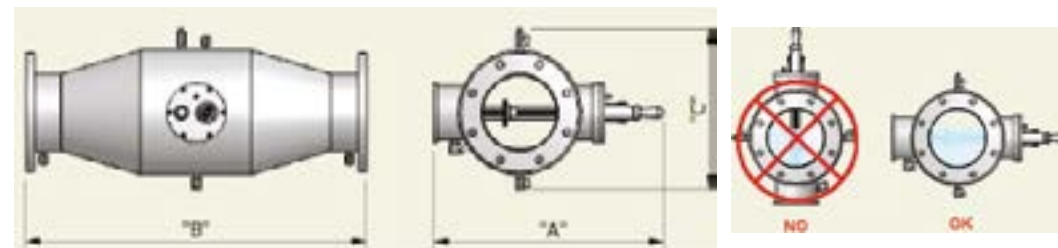
YEARS OF WARRANTY

HCSUVMP Ecoline Series

- UV Medium Pressure treatment system for spas / Cleaning system manual

HCSUV Ecoline Series - Dimensions

	HCSUV35MPECO	HCSUV55MPECO	HCSUV115MPECO	HCSUV170MPECO	HCSUV290MPECO
Panel Dimensions					
Height (mm)	500	500	750	750	750
Width (mm)	400	400	400	400	400
Depth (mm)	250	250	250	250	250
Reactor Dimensions					
A (mm)	620	560	560	623	623
B (mm)	210	730	730	825	825
C (mm)	160	410	425	491	491



HCSUV Ecoline Series (Manual)

	HCSUV35MPECO	HCSUV55MPECO	HCSUV115MPECO	HCSUV170MPECO	HCSUV290MPECO
Maximum Flow rate (m³/h)	35	55	115	170	290
UV dose	60 mJ/cm²				
Water Temperature range	5-50° C (other available on request)				
Total consumption (kW)	0.66	1.1	2.2	2.7	3.9
Mounting	Horizontal or vertical with lamp in horizontal position				
	UV REACTOR				
Material	316 L Stainless Steel				
Connections	2 1/2"	DN100	DN150	DN200	DN200
Connection Type	UNI EN 1092-1 PN 10 (other on request)				
Drain & Vent Ports	1/8" / 1/2" M threaded				
Max working pressure (bar/PSI)	10 bar / 145 PSI (test 15 bar / 220 PSI)				
Protection class (IP)	IP65				
Quartz sleeve cleaning system	Available only manual - ECO version				
Quartz Type	High Purity Quartz Sleeves				
Chamber Options	Electropolish Upgrade / Connections Types / Sea water internal Coating				
	UV LAMP				
Number	1	1	1	1	1
Lifespan	6000 h				
Lamp power (kW)	0.6	1	2	2.5	3.5
Lamp Design	Medium Pressure				
	SENSORS				
UVC selective sensor	MP1128S (ONORM/DVGW Certified on request)				
Sensor Cable	Shielded cable 6 meters				
Sensor holder material	Stainless steel 316L				
Flow Meter	Provision for 4/20mA analogue input (Flow meter not included)				
Flow Switch	Provision for digital input NO/NC (Not included)				
	CONTROL PANEL				
Material	Glass fiber reinforced polyester (Single lamps models) - Painted Steel (Multi lamps models)				
Color	RAL 7035				
Protection class (IP)	IP 54				
Ambient temperature range	5 - 45° C (other available on request)				
Interface	LCD Display				
Mains Power	400 Vac 3 PH +N +E / 230 Vac 1PH +N +E (other on request)				
Mains Frequency	50/60 Hz (other on request)				
Lamp Power Regulation	not available in ECO Version				
Lamp cable lenght (m/ft)	6m (other on request, max 40m)				

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HCSUVSPA - SPA SERIES

UV Medium Pressure Treatment System

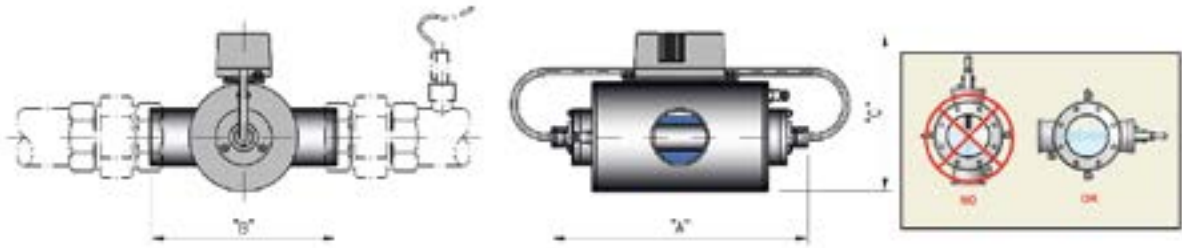
2

YEARS OF WARRANTY

HCSUVSPA Series

UV Medium Pressure treatment system
for spas / Cleaning system not available

MODEL	
Panel Dimensions	
Height (mm)	280
Width (mm)	220
Depth (mm)	150
Reactor Dimensions	
Height (mm)	280
Width (mm)	220
Depth (mm)	150



HCSUV - Spa Series

Maximum flow rate (m³/h)	24 m³/h
Max Spa volume	25 m³/h (min volume recirculation frequency 1,5 hr)
Water temperature range	5 - 50 °C
Total power consumption	250 W
Mounting	Horizontal or vertical with lamp in horizontal position
UV REACTOR	
Material	Stainless steel 316 L
Connections	2" M
Air valve	1/8" M threaded
Max working pressure (bar/PSI)	6 bars
Protection class	IP65
Shape	Cross flow
Flow direction	Both directions
Quartz sleeve manual cleaning system	Not available
UV LAMP	
Number	1
Lifespan	6000 h
Lamp power consumption	250 W
Type	MP lamp type
CONTROL PANEL	
Material	Painted steel
Color	RAL 9005
Protection class	IP 54
Ambient temperature range	5 - 45 °C
Monitor display	Digital
Mains Power	230 V - 50/60 Hz
Lamp cable	6 m (other on request, max 40m)



INSTRUMENTATION

Flow meters and water meters

2
YEARS OF WARRANTY

Flowmeters

- Simple installation
- A single piece of transparent methacrylate
- AISI 316 float level sensor
- Scale engraved onto the material
- Precision +/-8%
- Temperature 80 °C
- Pressure 10 bar
- Two options possible: horizontal models (CH) and vertical models (CV)



Code	Ref.	Pitot tube Ø mm	Piping Ø	Flow rate m³/h		Weight (kg)	Vol. (m³)	qty/box
				MIN	MAX			
214001015000	CH 15	15	50	50	350	0,3	0,0002	1
214001020000	CH 20	15	63	100	475	0,3	0,0002	1
214001025000	CH 25	15	75	150	700	0,3	0,0002	1
214001030000	CH 30	15	90	200	850	0,3	0,0002	1
214001040000	CH 40	15	110	600	1800	0,4	0,0003	1
214001060000	CH 60	20	160	900	3200	0,4	0,0003	1
214001080000	CH 80	20	200	1500	5100	0,5	0,0003	1
214002015000	CV 15	15	50	100	450	0,3	0,0002	1
214002020000	CV 20	15	63	175	675	0,3	0,0002	1

Flowmeters - multi-jet water meters

- Nominal flow rates from 1.5 to 10 m³/h
- Measurement class B. Magnetic transmission
- CE certified
- Cold water 40 °C and hot water 90 °C
- Maximum pressure 16 bar
- Horizontal installation
- Includes connectors
- Possible to integrate a reed switch pulse emitter, compatible with any remote reading system



Code	Ref.	Connection Ø	Nominal flow rate (m³/h)	Flow rate (m³/h)		Weight (kg)	Vol. (m³)	qty/box
				MIN	MAX			
214101020000	CA 20	3/4"	-	-	-	-	-	1
214101025000	CA 25	1"	3,5	0,07	7	1,5	0,0022	1
214101030000	CA 30	1 1/4"	6	0,10	12	2	0,0035	1
214101040000	CA 40	1 1/2"	10	0,20	20	2,1	0,0035	1
214101020001	EIA	Impulse emissions "reed"						1

INSTRUMENTATION

Flow meters and water meters

2
YEARS OF WARRANTY

Woltmann meters

- Nominal flow rates from 50 to 500 m³/h
- Diameters from 50 to 300 mm
- Installed horizontally or vertically or at an angle
- CE certified
- Measurement class B
- For cold water up to 50 °C
- Maximum pressure 16 bar
- Compatible with any remote reading system
- Direct totalising on numbered counters
- Equipped with "reed" switch compatible with any remote reading system



Code	Ref.	Connection Ø	Length (mm)	Flow rate (m³/h)		Weight (kg)	Vol. (m³)	qty/box
				MIN	MAX			
214103020000	CW 20	50 / 2"	200	0,45	30	10,2	0,0073	1
214103025000	CW 25	65 / 2 1/2"	200	0,75	50	11,2	0,0084	1
214103030000	CW 30	80 / 3"	225	1,2	80	14,1	0,0099	1
214103040000	CW 40	100 / 4"	250	1,8	120	19,4	0,0147	1
214103050000	CW 50	125 / 5"	250	3	200	20,5	0,017	1
214103060000	CW 60	150 / 6"	300	4,5	300	32,5	0,0287	1
214103080000	CW 80	200 / 8"	350	7,5	500	45	0,0461	1



CLEANERS

Global Solution for public pools

OUR RANGE OF CLEANERS

Hayward® Commercial Aquatics offers a cleaner that is perfectly suitable for small commercial pools.

TigerShark® 2 has, for many years, proven itself to be a great cleaning asset all around the world.

CLEANERS

TIGERSHARK® 2.....P116



TIGERSHARK® 2



The must-have product

- Complete floor and wall solution
- Optimised cleaning thanks to the ASCL microprocessor
- Available in foam-brush and rubber-brush versions
- Commercial pools 10 m x 20 m
- Long cleaning cycle 7 h
- 30 m cable
- High-capacity easy-to-remove and clean filtration cartridge
- Suction capacity : 17 m³/h



Optional ergonomic trolley RC99385
The trolley allows you to move and store the cleaner quickly and easily.



Optional start-of-season filter. For larger debris RCX70103PAK2



Easy to remove, clean and replace filter panels

TIGERSHARK® 2	Technical information		RC9952FTS2	RC9952TS2
	Recommended pool size		10 m x 20 m	
	Cleaning speed		5 m²/min	
	Cleaning cycle		7 hours	
	Cable length		30 m	
	Trolley		No	
	Power supply		240 V/50 Hz	
	Dimensions		28 cm x 41 cm x 41cm	
	Foam brush		Yes	-
	Rubber brush		-	Yes



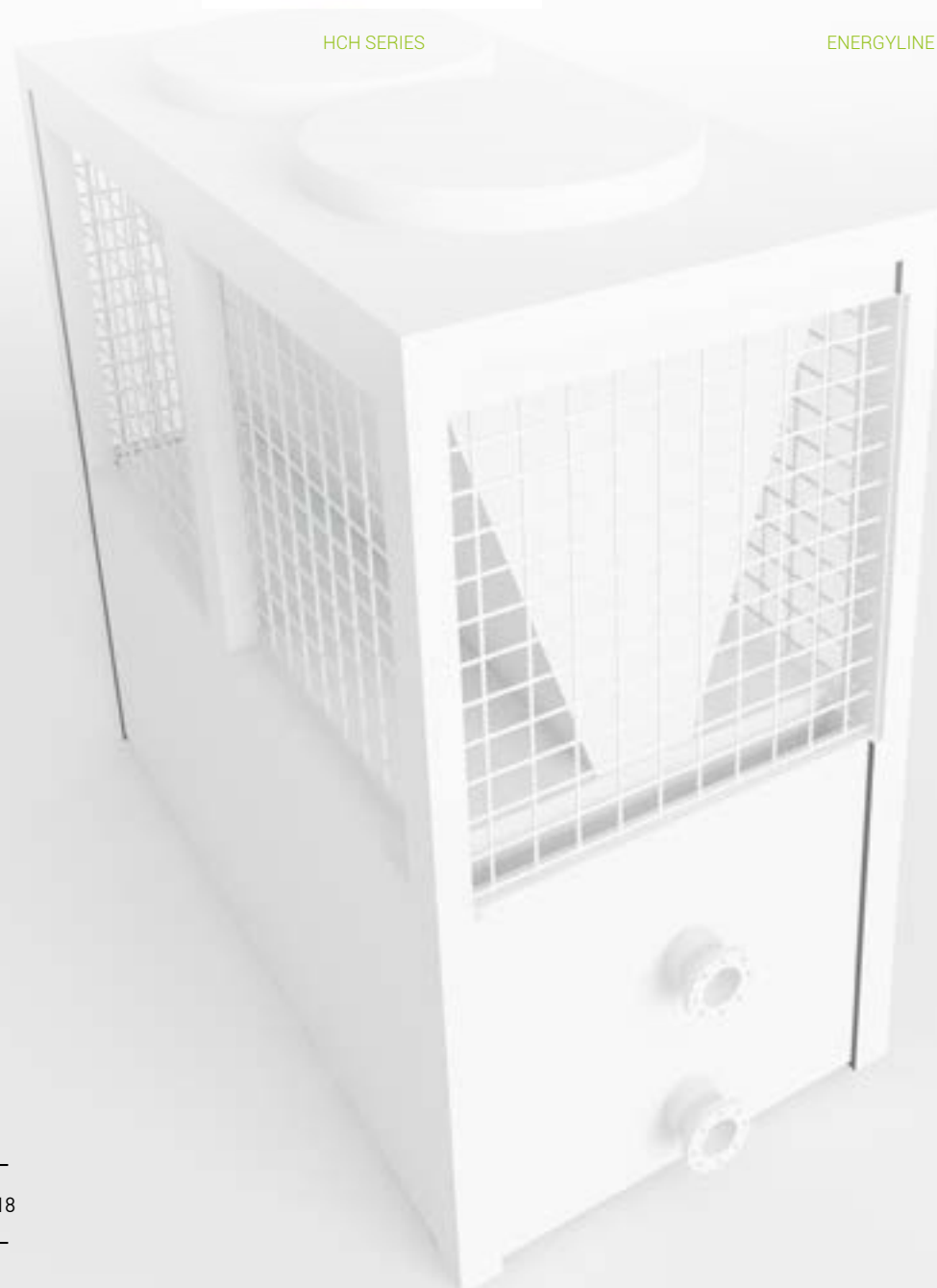
FOCUS ON COMMERCIAL HEAT PUMPS



HCH SERIES



ENERGYLINE PRO ALL SEASON



HEAT PUMPS

Global Solution for public pools

OUR RANGE OF HEAT PUMPS

Water temperature must be kept under strict control to ensure the comfort of bathers.

The heat pump is a reliable and economical way to heat outdoor and indoor pools, both in summer and in winter.

HCH SERIES HEAT PUMPS

HEAT PUMP HCH SERIES P120

ENERGYLINE PRO ENP10TAS P121

HCH SERIES

Heat pump

2
YEARS OF WARRANTY



High-capacity heat pump

- Available in 43 kW and 95 kW versions
- R410A Refrigerant
- COPELAND SCROLL compressor
- Reversible (Heat & Cool Unit)
- Painted Anti-corrosion Enclosure
- Hydraulic connection 63 mm or 110 mm
- Defrost system by cycle reversal
- Master-slave connection up to 32 units
- Operation down to -15°C



Large, easy-to-use control panel



Efficient, reliable Emerson Copeland Scroll compressor



Electronic expansion valve to optimise coolant flow rate

		HCHVAS43			HCHVAS95		
Units		Air 24°C RH 63%	Air 15°C RH 71%	Air 35°C	Air 24°C RH 63%	Air 15°C RH 71%	Air 35°C
		Water 26°C rated flow	Water 26°C / 28°C	Water 30°C	Water 26°C rated flow	Water 26°C / 28°C	Water 30°C
Voltage	-	400V ~3N 50Hz					
Mode	-	Heating	Heating	Cooling	Heating	Heating	Cooling
Rated water flow	m³/h	19	19	19	23	23	23
Water pressure drop	kPa	26	26	27	123	119	124
Heating capacity	kW	51	43	29	111	96	63
Input Power	kW	10	9	11	21	20	21
Input Current	A	18	18	20	38	37	38
COP	-	5.36	4.53	2.56	5.35	4.79	2.98
Dimensions	mm	1490 x 1130 x 735			2175 x 2030 x 1070		
Weight	kg	278			648		

HCH SERIES

EnergyLine Pro All-Season - ENP10TAS

3
YEARS OF WARRANTY



The heating solution, whatever the season

- Suitable for use in pools up to 200m3
- Specially designed for use in all seasons, in extreme conditions at temperatures as low as -12°C
- Ideal for indoor pools and/or cold regions
- The Inverter fan control logic adjusts the rotation speed according to the air temperature and operates on idle to provide a super silent night mode
- Automatic defrost by cycle reversal
- Emerson Copeland scroll compressor
- Electronic soft start
- Remote-Control Smart Temp module included as standard
- Reversible, automatic function for pool heating and cooling with heating priority



A connected product, thanks to the Smart Temp® Wifi module



19cm touchscreen for easier control



Simplified electrical connection

ENERGYLINE PRO
ALL-SEASON
LARGE POOLS

Description	Unit	ENP10TAS
Heating Capacity*	kW	36
Input power	kW	6.5
Current	A	13.3
Power supply	V	400 ~ / 3 / 50
Defrosting mode	-	Reverse cycle
Compressor type	-	Scroll Emerson Copeland
Number of fans	-	2
Rotation speed of fan	RPM	600 to 1060
Fan direction	-	Horizontal
Fan power	kW	50 - 225
Power noise level	dB(A)	72.5
Pressure noise level (à 10 m) LpA	dB	41
Water connection	mm	63
Nominal water flow*	m³/h	13.5
Water pressure drop (max)*	kPa	14
Unit dimensions (l/w/h)	mm	1482 / 485 / 1480
COP	-	5.50
Coolant	-	R410a
Winter cover	-	Yes
Heating priority function	-	Yes
Smart Temp	-	Yes
Weight	kg	182

* Performance as per French standard NF EN 14511, included in NF-414 certification standard. Dry air 15°C – Relative humidity 71% – Inlet Water temperature 26°C

COMMERCIAL WARRANTIES

All our products are guaranteed against manufacturing defects for two years from the date of invoice.

Product	Standard initial warranty
PUMPS	
HCP7200 SERIES	2 years
HCP5200 SERIES	2 years
HCP5000 SERIES	2 years
HCP4200 SERIES	2 years
HCP4000 SERIES	2 years
HCP3800 SERIES	2 years
HCP3600 SERIES	2 years
HCP1100 SERIES	2 years
HCP1000 SERIES	2 years
HCP0900 SERIES	2 years
PREFILTERS	2 years
BLOWERS	2 years
ACCESSORIES	2 years
FILTERS	
HCF STANDARD SERIES	5 years
HCF UNI-SERIES	5 years
HCF DIN SERIES	5 years
HCF BRASIL SERIES	2 years
HCF NEW ENZO	2 years
HCF ARTIK SERIES	2 years
HCF MALAGA SERIES	2 years
HCF SAN SEBASTIAN SERIES	2 years
HCF ROMA SERIES	2 years
HCF SWIMCLEAR™ SERIES	5 years
WHITE GOODS	
WHITE GOODS	2 years
HIDROJET CALIPSO SERIES	2 years
SANITIZATION	
CONTROL STATION PANEL	2 years
AQUARITE® HC	2 years
AQUARITE® HC LS	2 years
HCSUS SMART SERIES	2 years
HCSUV ECOLINE SERIES	2 years
HCSUVSPA SPA SERIES	2 years
CLEANER	
TIGERSHARK® 2	2 years
HEAT PUMPS	
HCH SERIES - Heat Pump	2 years
HCH SERIES - ENERGYLINE PRO ALL SEASONS	3 years

GENERAL SALES CONDITIONS

I. SCOPE

Unless otherwise agreed in writing, these terms and conditions apply to all product sales made by HAYWARD® IBERICA, S.L.U. or HAYWARD® POOL EUROPE, S.A. (hereinafter called "HAYWARD®" or "we" or "us" or "our") and where such an agreement exists in writing, these terms and conditions will apply where no specific provisions are contained in that agreement. The buyer declares that it is familiar with these terms and conditions, which are systematically handed over to all buyers and which are printed in our catalogues, and accepts them willingly and unreservedly. All other terms and conditions are excluded unless they are previously agreed in writing and accepted by both parties. Unless expressly accepted by us, we will not be bound by any opposing terms and conditions put forward by the buyer, regardless of when these are brought to our attention.

II. ORDERS

HAYWARD®'s prior confirmation is required for orders to be considered as accepted. In order to avoid errors and provide a better service, orders must be placed in writing using the product descriptions and references that appear in our catalogue or price list. HAYWARD® reserves the right to modify our product specifications without prior notice. All images and texts are provided for illustrative purposes only and cannot be considered contractually binding unless the buyer requests otherwise in its order. The buyer must report any error contained in the order confirmation or any missing information within a maximum of two working days and before the product is shipped. HAYWARD® reserves the right to cancel, on simple notice, any orders placed (including confirmed orders) if any outstanding sums remain unpaid. Most of our products are items of equipment that require specialist technical knowledge for installation and commissioning. We therefore accept no responsibility if the buyer sells these items through inadequate channels.

III. PRICE AND PAYMENT METHOD

Prices are calculated according to the price list in force on the order acceptance date in accordance with the economic conditions agreed by both parties. Unless otherwise agreed in writing, prices are always understood to be ex works from our warehouses (EX WORKS, INCOTERMS 2020). Prices are stated net in euros without any deduction. Unless expressly agreed otherwise, prices do not include taxes, duties, charges, costs or surcharges, all of which will be paid by the buyer. Payments will be made in advance by bank transfer. If another payment method is agreed, any late payment in whole or in part or any delay in the acceptance of bills of exchange will, unless expressly agreed otherwise, give rise to interest for late payment at the ECB (European Central Bank) rate applied to the most recent refinancing operation carried out before the first day of the calendar half year plus 10 points, and a fixed sum of EUR 40 will be payable as compensation. In addition, HAYWARD® will be entitled, without the need for any prior notice or formality, to accelerate the due date of the entire outstanding debt, thus rendering the full amount payable, to halt the delivery of any items yet to be delivered, and to allocate any payment received from the customer towards the debt or towards any interest or compensation or towards debt collection costs. Promissory notes and payment documents issued for acceptance must be returned to us with the corresponding acceptance within a period of 15 days from the invoice issue date.

IV. DELIVERY AND TRANSPORTATION

Unless expressly agreed otherwise, delivery is always for products located in our warehouses, including standard packaging, on an "EX WORKS INCOTERMS 2020" basis from the warehouse indicated in our order acceptance or invoice. The loading risk will always lie with the buyer. If the buyer does not have the means to perform loading operations, it authorises HAYWARD® to do so but the buyer retains the respective risks. Unless expressly agreed otherwise, the buyer accepts partial deliveries. For deliveries not made at our warehouses, the buyer must always request a quote for the transport costs, which HAYWARD® can charge to the buyer depending on the volume of the order, the type and characteristics of the goods, the means of transport, as well as other considerations such as urgency, country and distance. The delivery dates stated are for guidance only and the buyer expressly agrees that it will not take any action to which it may be entitled as a result of any delay, unless the parties have entered into a prior express written agreement to the contrary which specifies both the delivery date and the consequences of non-performance in this respect. If, within one working day of notice being given that the product is available, the customer does not reply to arrange delivery or does not suggest a date different from the one proposed, the product is considered to have been made available. Unless expressly agreed otherwise, if the buyer does not collect the goods within 15 days of the date on which they are made available, they are considered to have been abandoned and HAYWARD® is free to dispose of them as it sees fit. HAYWARD® may charge the buyer up to 2% of the value of the sale as a penalty for delay, with a minimum of EUR 100 per day, as well as the costs of recycling or destroying the abandoned goods. Goods are always carried at the buyer's risk and under its responsibility, including those that are carriage paid. Time periods for bringing actions for protection against hidden defects or warranty actions will commence from the date the goods are made available. Any defect that is visible or verifiable at the time of receiving the goods must be recorded on the carrier's delivery note and reported to HAYWARD® in writing within a maximum of 72 hours following delivery. It is the buyer's obligation to check the goods received and to notify HAYWARD® in writing of any hidden defects within 7 days. Such notifications must describe the defect or damage and provide images if possible. If the sale is an export or intra-Community sale and the buyer arranges the transport, the buyer must hand over the necessary documentation proving that the export has taken place by including an original certificate drawn up according to the model provided by HAYWARD® within 10 days of the invoice date. If the buyer fails to do so, HAYWARD® can issue an amended invoice with the national VAT that the buyer will have to pay.

V. RETENTION OF TITLE

HAYWARD® retains title in the products sold until the whole of the total agreed price has been paid. The buyer is responsible for ensuring that the goods are not mixed with existing stocks and are not used by ensuring that the goods are properly identified and stored separately. HAYWARD® may demand in writing that the goods be returned at the buyer's risk and under its responsibility and may collect them directly in whole or in part. In this case, there is no presumption that the goods collected are in excellent condition. The buyer agrees to inform HAYWARD® about any payment difficulties and, if it goes into administration or liquidation or becomes insolvent, to notify the administrator or creditors or receivers about the situation regarding the goods.

VI. WARRANTY

Our consumer products in the European Union, which are intended to be sold to consumers and users, have a two-year warranty as from delivery in accordance with the relevant consumer protection regulations. Our other products enjoy a general warranty against any manufacturing defects for two years as from the invoice date, with the exception of fire-fighting equipment and pressure boosters, which have a one-year warranty starting from the date on which they are commissioned with a maximum validity of 18 months from the date of our sales invoice. We will only respond to warranty claims from our own customers, not those made by third parties. The warranty covers only the repair or replacement of defective parts on our premises or at an authorised Technical Assistance Centre (at our discretion) and does not include the costs of transportation to the repair workshop or any costs associated with travel or replacement of the item. Replaced parts have their own warranty, which has no bearing on the original product warranty. The warranty will be invalid if the buyer fails to report the warranty issue in the proper time and manner, enclosing with the product the product invoice, the delivery note specifying the date of delivery, the serial number (where available) and a description of the defect observed or if the product was not paid for in full on its due date. Products that have a longer commercial warranty will be warranted under the terms commercially agreed and, in the absence of such terms, under the terms of our general warranty. The warranty claim must be accompanied by the policy documents or commercial promotion claimed. The warranty will not apply if the product has been incorrectly stored, installed, commissioned or maintained, or if it has been repaired or handled by an unauthorised person or fitted with non-original parts. Similarly, the warranty does not cover damage owing to wear and tear or affecting consumable parts or equipment or caused by electrical disturbances, external actions or agents or force majeure.

VII. CANCELLATIONS, RETURNS AND COMPLAINTS

Without prejudice to other penalties or actions available, HAYWARD® reserves the right to cancel or terminate any operation if these terms and conditions are breached or in the event of non-payment, delay in the payment of previously outstanding debts, declaration of insolvency, failure by the buyer to comply with free competition rules, including selling our products at a price below the actual purchase price, or where judicial or arbitration proceedings have been brought or administrative complaints have been filed for any reason between HAYWARD® and the buyer. If the operation is not terminated, as well as other compensation payable, the amount of any invoice affected by the breach will be increased by 10% by way of a non-deductible penalty. The buyer cannot cancel an accepted order (or part thereof) without HAYWARD®'s written acceptance and in that case the customer must pay a penalty equivalent to 30% of the selling price of the order (or the affected part) without prejudice to HAYWARD®'s right to claim damages. No product returns will be accepted (except for product defects) without HAYWARD®'s prior written acceptance. If a product return is accepted for commercial, financial or legal reasons, the product must be returned at the buyer's expense, in the original packaging and in perfect condition. HAYWARD® has 30 working days as from receipt in which to inspect the product and a discount or deduction of at least 20% of the original sale value will be applied. In the event of complaints or incidents, the buyer must contact the Customer Service Department to report the non-conformity observed with the shipment, the incident or the product defect in the time and manner set out in these general terms and conditions. The customer service team will inform the buyer about how best to proceed and what information is required. If the equipment needs to be returned, prior authorisation must be obtained and the return must be properly documented. Equipment must be returned in its original packaging and under prime transport conditions. The process may involve the buying and selling of equipment or services. At HAYWARD®'s request, products that have been returned following a complaint must be collected by the buyer. If they are not collected within 15 days of HAYWARD®'s request or within 3 months from shipment if no such request is made, they will be considered to have been abandoned and HAYWARD® will be free to dispose of them as it sees fit.

VIII. FORCE MAJEURE AND HARDSHIP

If either party is prevented or delayed from fulfilling its obligations towards the other party, it must notify the other promptly but will not be held liable or required to pay any compensation. Either party may terminate the contract by giving notice thereof within 10 working days of the initial notification. The same will apply in the case of hardship, by which is meant any event which, being outside of the control of the affected party and unforeseeable at the time of the agreement, alters the equilibrium of the contract and results in a change in circumstances that places an excessive burden on that party in terms of the performance of its obligations. Both parties recognise that unforeseeable supply shortages, the consequences of extraordinary administrative decisions or increases in manufacturing costs which have the effect of reducing HAYWARD®'s gross profit by 10% all constitute a change in circumstances.

IX. INTELLECTUAL PROPERTY, CONFIDENTIALITY AND BUSINESS SECRETS

The buyer expressly recognises HAYWARD®'s ownership of patents, trademarks, logos, symbols, trade names and other intellectual and industrial property rights and agrees to respect them and not to limit, oppose, register or place conditions on any of them. Similarly the buyer must not file a registration application to protect rights that may arise as a result of the information provided by HAYWARD®. If any internet domains corresponding to the trademarks or names used by HAYWARD® are registered without our prior authorisation, this will be presumed to be a case of fraud and bad faith. The buyer is obliged to keep secret and confidential any information or knowledge obtained from HAYWARD®, including technological, scientific, industrial, commercial, organisational or financial information, which is not public or necessary for the marketing of the products. The buyer undertakes to prevent any disclosure of such information and to ensure that such information is not used outside of the limits strictly agreed.

X. SEVERABILITY, JURISDICTION AND APPLICABLE LAW

If any of these general terms and conditions is deemed invalid or null and void, this will not affect the validity of the other terms and conditions or the rest of the contractual relationship. Any dispute, disagreement or claim arising between the parties will be referred to the exclusive jurisdiction of the courts where HAYWARD®'s registered office is located, even if there are multiple defendants or in the case of a third party notice.

We reserve the right at any time to make any changes we deem necessary to these general terms and conditions of sale.

Notes

Take a look at our
Hayward® catalogue,
our range for residential pools



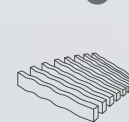
Hayward®, the strength of a global offer



PUMPS



FILTERS



WHITE GOODS



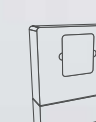
LIGHTING



CLEANERS



HEAT PUMPS



SANITIZATION



POOL SURROUNDING
EQUIPMENT

..... FILTRATION SYSTEMS

..... COMFORT EQUIPMENT



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