



# PRICE LIST

INDUSTRIAL 2020



1970 - 2020  
ENGINEERING  
IMPROVING  
DEVELOPING  
MANUFACTURING



# CALPLAS 2020 PRICELIST



## CALPLAS PRESSURE VESSELS

Calplas vessels have been used in industrial projects worldwide since 1970 and it is one of the most experienced filter manufacturer in the world. A continuous growth, stimulated by a very hard working, experienced team, and a mechanical engineer soul has allowed us to become a quality and reliability reference. During this period our manufacturing has demonstrated the complete reliability of our products. Our daily contact with water treatment companies all over the world has also helped us to innovate and to gain an advantage over our competitors responding to new water treatment challenges. This experience has also allowed us to trial new materials in order to overcome specific project water treatment requirements.

### WHY CALPLAS?

The first question is which is the best material for a vessel?

Steel tanks :

PROS: Very reliable and strong vessels.

CONS: These suffer from corrosion and require continuous maintenance to replace the different linings used (epoxy painting, rubber coatings...).

Fiber Glass vessels:

PROS: No corrosion.

CONS: Most polyester vessels are built for the swimming pool industry, where both pressure requirements and reliability fall far short of what is required in any industrial project.

### Why choose between one or the other?

Calplas uses only the most reliable GRP Polyester technology in its manufacturing process. MANUALLY LAMINATED HAND LAY UP. This means that the fibers are oriented in the directions of the maximum tensions of the filter, strictly calculated. On top, this is combined with **encapsulated internal steel reinforcement** used at all points where the filter is under additional stress. This makes our filters the most reliable on the market.

***Calplas filters are as strong as steel with the corrosion resistance of the polyester reinforced with fiberglass***



### OUR EXPERIENCE

No other manufacturer has more than 50 years experience in :

- Filtration systems
- Ion exchanger vessels
- Adequate internal lining adaptation

After 50 years of direct collaboration with water treatment companies, we are aware in Calplas, that each project is different: flanges, internal volumes, regeneration process parameters (in case of ion exchange), and many other technical details need to be considered and adapted to suit.

**Calplas is proud to manufacture the best filters in the world.**



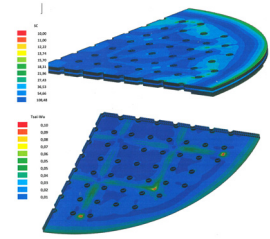
# CALPLAS 2020 WHAT WE DO



Manually laminated hand lay-up polyester resin fiberglass to controlled thickness.



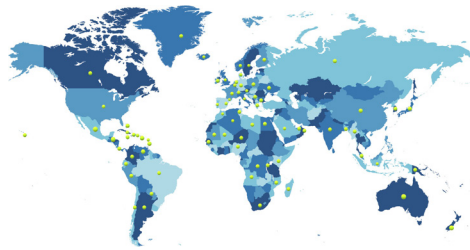
The strength of steel  
The chemical corrosion resistance of polyester.



Engineering soul.



Expected lifespan: more than 30 years.



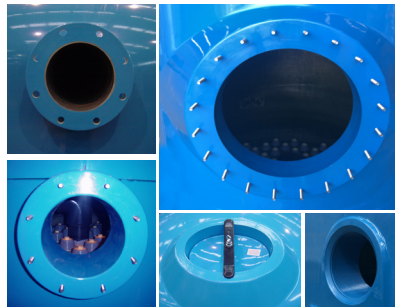
Sold worldwide with complete reliability since 1970.



Armoured nozzle plate.



Optimized distribution systems for flow distribution and each application



Complete safety:  
Connections are part of the structure.



100% full vision inside:  
Methacrylate sightglasses



Each and every filter is tested.



Closed legs are part of the filter structure.



On site assembling



Special colors on demand



UV resistant external gel coat.



Wind & Seismic Calculation



Replace/Upgrade your filter  
PLUG & PLAY



A lot of  
small  
things  
that make a

**HUGE**  
**DIFFERENCE**

# CALPLAS 2020

## INDEX

FA & HFX SERIES Ø 415-960.....	6
STANDARD PUMP STRAINERS & COLLECTORS .....	7
D SERIES Ø 415-960.....	8
DC SERIES Ø 415-960.....	9
DCP SERIES Ø 415-960.....	10
DPP SERIES Ø 415-960.....	11
FB SERIES Ø 1010-3000.....	12
D SERIES Ø 1010-3000.....	13
DC SERIES Ø 1010-3000.....	14
DP SERIES Ø 1010-3000.....	15
HORIZONTAL FILTERS.....	16
CARTRIDGE FILTERS.....	17
KP SERIES Ø 1010-1840.....	18
KPP SERIES Ø 1010-1840.....	19
DPC SERIES Ø 2040-3000.....	20
DPPC SERIES Ø 2040-3000.....	21
KB-SERIES Ø1010 - 1840.....	22
MEDIATRAPS.....	23
THREE NOZZLE PLATE COLUMNS-KPPP .....	24
MIXED BEDS.....	25
CUSTOMIZED PUMP STRAINERS.....	26
DECANTERS.....	27
DEGASIFIERS.....	28
TANKS & MIXING TANKS.....	29-30
AFM FILTER & PILOT PLANT SKID.....	31
AFM®.....	32-33
BESGO® VALVES & ACCESORIES.....	34
FLOW METER & AIR DIFFUSERS.....	35
USEFUL INFORMATION.....	36-37
SIGHT GLASSES THREADS FLANGES & OTHERS.....	38
PACKAGING.....	39

## FA & HFX SERIES Ø 415-960

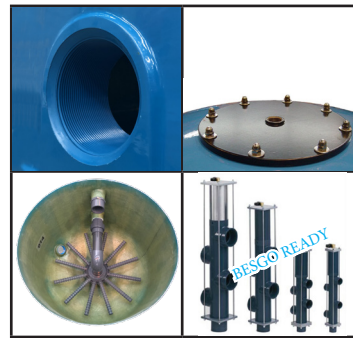
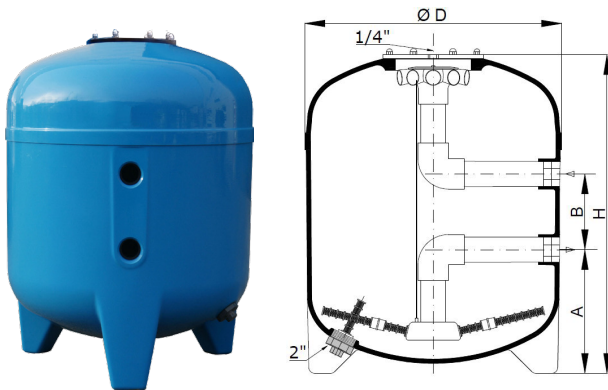
### FA & HFX SERIES

Manufactured and calculated according to EN 13121-3.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 All threaded connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Top access.  
 Design temperature 40°C.  
 Laterals distribution.  
 Top distributor according to the media/application.

### ADDITIONAL OPTIONS

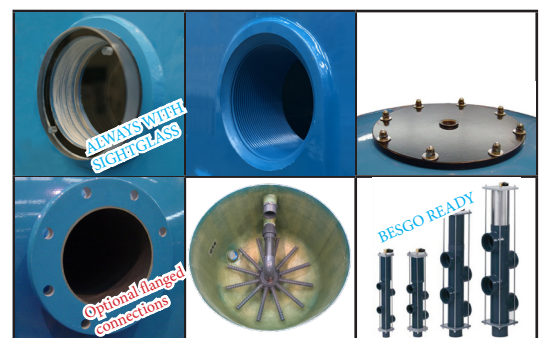
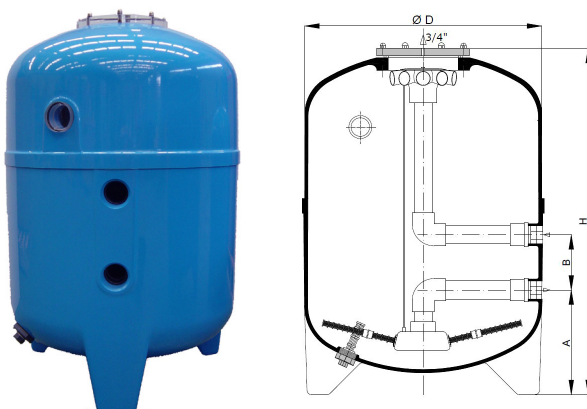
Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Flange connections available in HFX [See page 38](#)  
 Additional sight glass. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact. (Ask us)  
 BESGO READY FILTERS [See page 34](#)

### FA SERIES BED HEIGHT 350-400



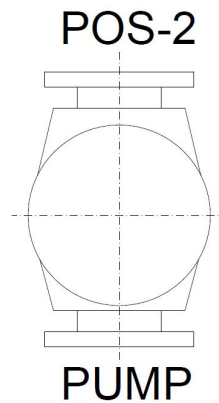
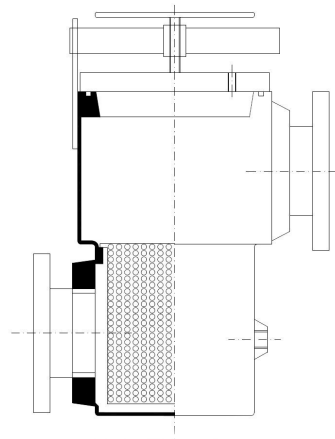
Design Pressure		FA-6 Ø415 H=730	FA-8 Ø460 H=740	FA-10 Ø520 H=800	FA-15 Ø640 H=830	FA-20 Ø720 H=930	FA-30 Ø840 H=950	FA-35 Ø960 H=1050
5 Kg /cm <sup>2</sup>	Ref.	315041	315046	315052	315064	315072	315084	315096
	Price	741 €	788 €	895 €	1 210 €	1 508 €	1 788 €	2 551 €
7 Kg /cm <sup>2</sup>	Ref.	317041	317046	317052	317064	317072	317084	317096
	Price	956 €	1 052 €	1 221 €	1 555 €	1 981 €	2 411 €	3 209 €

### HFX SERIES BED HEIGHT 500-600



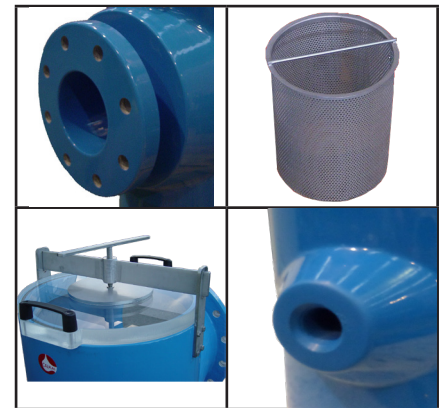
Design Pressure		HFX-6 Ø415 H=861	HFX-8 Ø460 H=861	HFX-10 Ø520 H=931	HFX-15 Ø640 H=986	HFX-20 Ø720 H=1105	HFX-30 Ø840 H=1165	HFX-35 Ø960 H=1175
5 Kg /cm <sup>2</sup>	Ref.	315141	315146	315152	315164	315172	315184	315196
	Price	1 027 €	1 075 €	1 195 €	1 630 €	1 884 €	2 284 €	2 795 €
7 Kg /cm <sup>2</sup>	Ref.	317141	317146	317152	317164	317172	317184	317196
	Price	1 261 €	1 391 €	1 563 €	2 104 €	2 409 €	2 644 €	3 527 €

## STANDARD PUMP STRAINERS POSITION 2



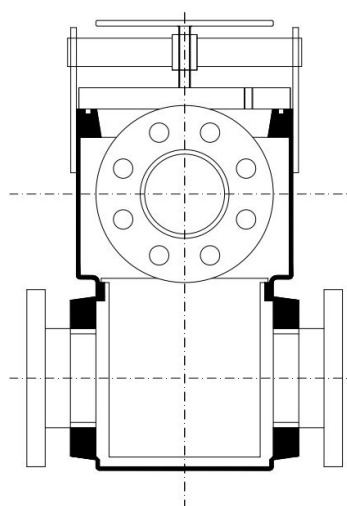
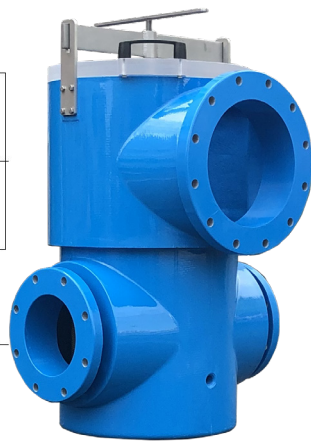
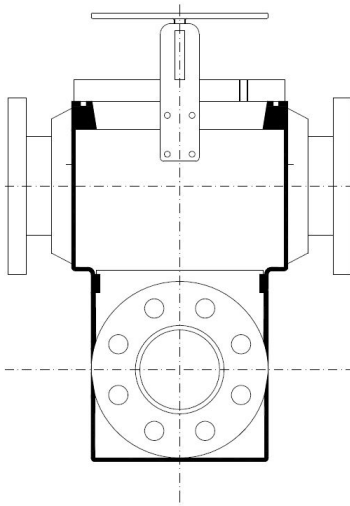
### CHARACTERISTICS

1 bar Max. pressure.  
Quick opening device.  
304 Stainless steel Ø4 mm hole.  
Extremely robust.  
Designed for suction side.



Ref	ID	Connections	Basket	Max press.	Price
410811.S	P8/110	DN100	8 litres	1 bar	1 540 €
411511.S	P15/110	DN100	15 litres	1 bar	1 775 €
412516.S	P25/160	DN150	25 litres	1 bar	2 005 €
412522.S	P25/225	DN200	25 litres	1 bar	2 060 €
416030.S	P60/300	DN300	60 litres	1 bar	2 780 €

## STANDARD PUMP STRAINERS COLLECTORS

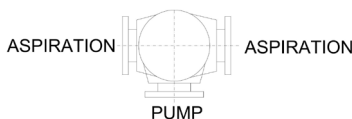


Example: 1 aspiration / 2 pump

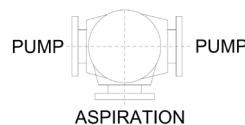
### CHARACTERISTICS

1 bar Max. pressure.  
Quick opening device.  
304 Stainless steel Ø4 mm hole.  
Extremely robust.  
Designed for suction side.

#### 2 INLET - 1 OUTLET



#### 1 INLET - 2 OUTLET



Ref	ID	Aspiration	Pump	Basket	Max press.	Price
412516.22	P25/2x160-225	2xDN150	DN200	25 litres	1 bar	2 322 €
412522.16	P25/225-2x160	DN200	2xDN150	25 litres	1 bar	2 322 €
416022.30	P60/2x225-300	2 x DN200	DN300	60 litres	1 bar	3 097 €
416030.22	P60/300-2x225	DN300	2xDN200	60 litres	1 bar	3 097 €

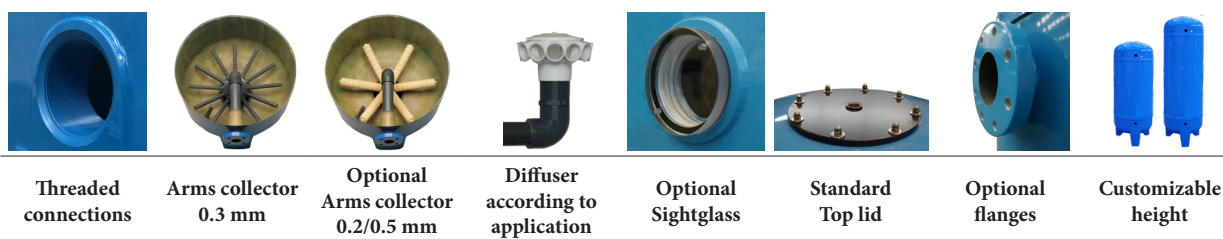
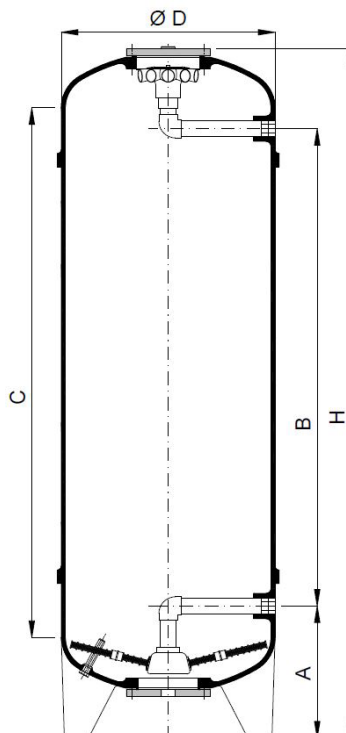
## D SERIES Ø 415-960

### D SERIES

Manufactured and calculated according to EN 13121-3.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 All threaded connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Top & bottom access.  
 Design temperature 40°C.  
 Laterals distribution.  
 Top distributor according to the media/application.

### ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Cylindrical height ad-hoc. ([Ask us more than 2000 mm](#))  
 Flange connections available. [See page 38](#)  
 Additional sight glass. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact. (Ask us)



Design Pressure		D-415 C=1500 H=1886	D-460 C=1500 H=1897	D-520 C=1500 H=1917	D-640 C=1500 H=1971	D-720 C=1500 H=2040	D-840 C=1500 H=2120	D-960 C=1500 H=2198
2.5 Kg /cm <sup>2</sup>	Ref.	332141	332146	332152	332164	332172	332184	332196
	Price	1 724 €	2 049 €	2 431 €	2 702 €	3 039 €	3 620 €	4 428 €
	Δ 100 mm	21 €	28 €	37 €	47 €	57 €	75 €	79 €
5 Kg /cm <sup>2</sup>	Ref.	335141	335146	335152	335164	335172	335184	335196
	Price	2 126 €	2 519 €	2 988 €	3 315 €	3 750 €	4 453 €	5 435 €
	Δ 100 mm	33 €	44 €	53 €	64 €	80 €	107 €	118 €
7 Kg /cm <sup>2</sup>	Ref.	337141	337146	337152	337164	337172	337184	337196
	Price	2 648 €	3 142 €	3 784 €	4 132 €	4 652 €	5 558 €	6 721 €
	Δ 100 mm	43 €	56 €	57 €	83 €	107 €	136 €	166 €
Recomended!	Sightglass	+ 212 €	+ 212 €	+ 212 €	+ 265 €	+ 265 €	+ 265 €	+ 307 €



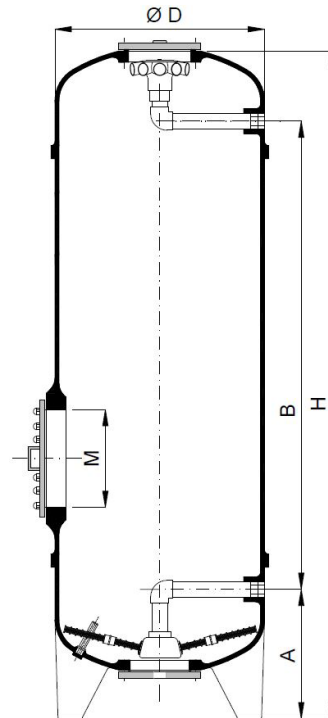
DC SERIES Ø 415-960

DC SERIES

Manufactured and calculated according to EN 13121-3.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 All threaded connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Manhole access.  
 Top & bottom access.  
 Design temperature 40°C.  
 Laterals distribution.  
 Top distributor according to the media/application.

ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Cylindrical height ad-hoc. (Ask us more than 2000 mm)  
 Flange connections available. [See page 38](#)  
 Sight glass. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact. (Ask us)



Threaded connections    Plastized Manhole lid    Arms collector 0.3 mm    Optional Arms collector 0.2/0.5 mm    Diffuser according to application    Optional sightglass    Standard Top lid    Optional flanges    Customizable height

Design Pressure		DC-415 C=1500 H=1886	DC-460 C=1500 H=1897	DC-520 C=1500 H=1917	DC-640 C=1500 H=1971	DC-720 C=1500 H=2040	DC-840 C=1500 H=2120	DC-960 C=1500 H=2198
2.5 Kg/cm <sup>2</sup>	Ref.	332141	332146	332152	332164	332172	332184	332196
	Price	2 383 €	2 708 €	3 090 €	3 501 €	3 838 €	4 419 €	5 400 €
	Δ 100 mm	21 €	28 €	37 €	47 €	57 €	75 €	79 €
5 Kg/cm <sup>2</sup>	Ref.	335141	335146	335152	335164	335172	335184	335196
	Price	2 785 €	3 178 €	3 647 €	4 114 €	4 549 €	5 252 €	6 407 €
	Δ 100 mm	33 €	44 €	53 €	64 €	80 €	107 €	118 €
7 Kg/cm <sup>2</sup>	Ref.	337141	337146	337152	337164	337172	337184	337196
	Price	3 307 €	3 801 €	4 443 €	4 931 €	5 451 €	6 357 €	7 693 €
	Δ 100 mm	43 €	56 €	57 €	83 €	107 €	136 €	166 €
Recomended!	Sightglass	+ 212 €	+ 212 €	+ 212 €	+ 265 €	+ 265 €	+ 265 €	+ 307 €

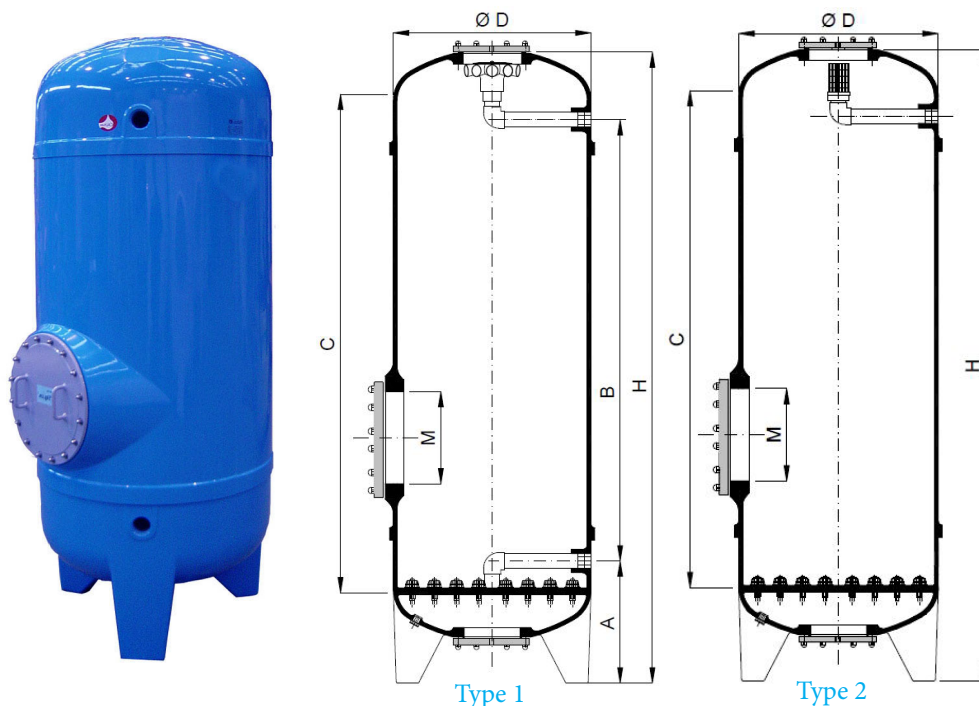
## DCP SERIES Ø 415-960

### DCP SERIES

Manufactured and calculated according to EN 13121-3.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 All threaded connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Top & bottom access.  
 Design temperature 40°C.  
 Bottom nozzle plate distribution.  
 Top distributor according to the media/application.

### ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Cylindrical height ad-hoc. (**Ask us more than 2000 mm**)  
 Flange connections available. [See page 38](#)  
 Additional sight glass. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact. (Ask us)



Threaded connections    Plastitized Manhole lid    Steel ARMORED Nozzle plate    Nozzle plate detail    Diffuser according to application    Optional sightglass    Standard Top lid    Optional flanges    Customizable height

Design Pressure		DCP-415 C=1500 H=1886	DCP-460 C=1500 H=1897	DCP-520 C=1500 H=1917	DCP-640 C=1500 H=1971	DCP-720 C=1500 H=2040	DCP-840 C=1500 H=2120	DC-960 C=1500 H=2198
2.5 Kg /cm <sup>2</sup>	Ref.	342141	342146	342152	342164	342172	342184	342196
	Price	2 861 €	3 220 €	3 741 €	4 255 €	4 711 €	5 586 €	6 909 €
	Δ 100 mm	21 €	28 €	37 €	47 €	57 €	75 €	79 €
5 Kg /cm <sup>2</sup>	Ref.	345141	345146	345152	345164	345172	345184	345196
	Price	3 263 €	3 690 €	4 297 €	4 868 €	5 422 €	6 420 €	7 916 €
	Δ 100 mm	33 €	44 €	53 €	64 €	80 €	107 €	118 €
7 Kg /cm <sup>2</sup>	Ref.	347141	347146	347152	347164	347172	347184	347196
	Price	3 785 €	4 313 €	5 094 €	5 685 €	6 324 €	7 525 €	9 202 €
	Δ 100 mm	43 €	56 €	57 €	83 €	107 €	136 €	166 €
Recomended!	Sightglass	+ 212 €	+ 212 €	+ 212 €	+ 265 €	+ 265 €	+ 265 €	+ 307 €

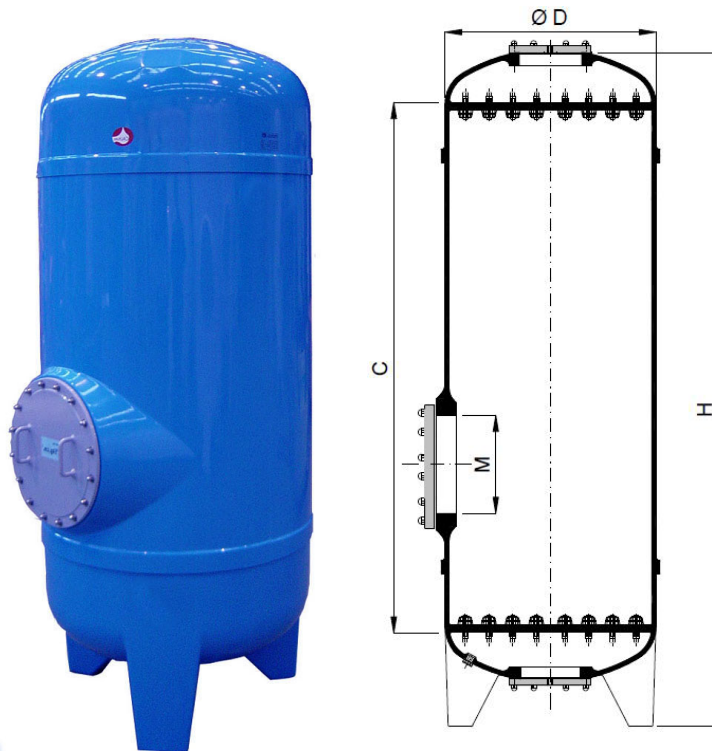
DPP SERIES Ø 415-960

DPP SERIES

Manufactured and calculated according to EN 13121-3.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 All threaded connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Top & bottom access.  
 Design temperature 40°C.  
 Bottom nozzle plate distribution.  
 Top nozzle plate distribution.

ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Cylindrical height ad-hoc. (Ask us more than 2000 mm)  
 Flange connections available. [See page 38](#)  
 Additional sight glass. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact. (Ask us)



Threaded connections    Plastiziced Manhole lid    2 x Steel ARMORED Nozzle plate    Nozzle plate detail    Optional sightglass    Standard INLET OUTLET    Optional INLET OUTLET    Optional flanges    Customizable height

Design Pressure		DPP-415 C=1500 H=1975	DPP-460 C=1500 H=1985	DPP-520 C=1500 H=1995	DPP-640 C=1500 H=2045	DPP-720 C=1500 H=2040	DPP-840 C=1500 H=2120	DPP-960 C=1500 H=2170
2.5 Kg /cm <sup>2</sup>	Ref.	342141	342146	342152	342164	342172	342184	342196
	Price	3 338 €	3 732 €	4 391 €	5 010 €	5 584 €	6 754 €	8 418 €
	Δ 100 mm	21 €	28 €	37 €	47 €	57 €	75 €	79 €
5 Kg /cm <sup>2</sup>	Ref.	345141	345146	345152	345164	345172	345184	345196
	Price	3 740 €	4 202 €	4 948 €	5 623 €	6 295 €	7 587 €	9 425 €
	Δ 100 mm	33 €	44 €	53 €	64 €	80 €	107 €	118 €
7 Kg /cm <sup>2</sup>	Ref.	347141	347146	347152	347164	347172	347184	347196
	Price	4 262 €	4 825 €	5 745 €	6 440 €	7 197 €	8 692 €	10 711 €
	Δ 100 mm	43 €	56 €	57 €	83 €	107 €	136 €	166 €
Recomended!	Sightglass	+ 212 €	+ 212 €	+ 212 €	+ 265 €	+ 265 €	+ 265 €	+ 307 €

## FB SERIES Ø 1010-3000

### FB SERIES

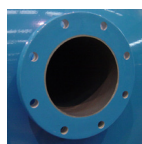
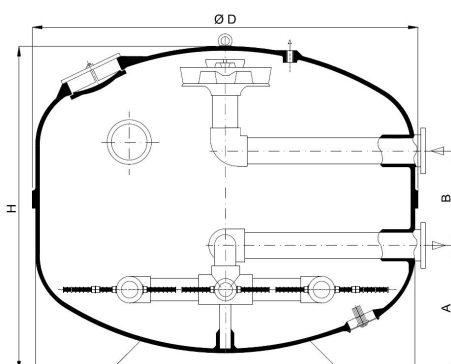
Manufactured and calculated according to EN 13121-3.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 Flanged connections for INLET/OUTLET.  
 All connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Side manhole & elliptical top manhole.  
 Design temperature 40°C.  
 Laterals distribution.  
 Sightglass included. **(ALWAYS)**

### ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Additional sight glass. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact. (Ask us)  
**BESGO READY FILTERS "B" IN RED** [See below](#)  
 BESGO valves [See page 34](#)

### WHY FB SERIES?

FB SERIES filters are a consequence of our molds design. This filter is the solution for a lower budget without compromising manufacturing quality, with a reasonable bed height and very proper internal distribution.



Flanged connections

GRP Elliptical manhole lid

Arms collector 0.3 mm

Diffuser for Sand / AFM

Diffuser for Ionic Exchange

**ALWAYS** with sightglass

Emptying access

**BESGO READY MEASURE**

Design Pressure		FB-40 Ø1010 H=1200	FB-50 Ø1160 H=1300	FB-60 Ø1260 H=1350	FB-80 Ø1440 H=1470	FB-100 Ø1640 H=1670	FB-125 Ø1840 H=1760	FB-150 Ø2040 H=1870	FB-175 Ø2210 H=1990	FB-200 Ø2340 H=2000	FB-250 Ø2550 H=2070	FB-300 Ø2800 H=2200	FB-350 Ø3000 H=2090
2.5 Kg/cm <sup>2</sup>	Ref.	232010	232011	232012	232014	232016	232018	232020	232022	232023	232025	232028	232030
	Price	3 805 €	4 188 €	4 756 €	5 561 €	7 329 €	9 009 €	11 081 €	12 696 €	13 805 €	15 904 €	18 091 €	20 885 €
4 Kg/cm <sup>2</sup>	Ref.	314010	314011	314012	314014	314016	314018	314020	314022	314023	314025	314028	314030
	Price	5 115 €	5 844 €	6 732 €	8 035 €	10 874 €	12 989 €	15 795 €	18 047 €	19 022 €	23 517 €	27 781 €	29 769 €
5 Kg/cm <sup>2</sup>	Ref.	315010	315011	315012	315014	315016	315018	315020	315022	315023	315025	315028	315030
	Price	5 939 €	6 500 €	7 503 €	8 995 €	11 613 €	14 392 €	17 356 €	20 639 €	22 373 €	27 018 €	29 984 €	36 185 €
6 Kg/cm <sup>2</sup>	Ref.	316010	316011	316012	316014	316016	316018	316020	316022	316023	316025	316028	316030
	Price	6 354 €	6 927 €	8 230 €	9 573 €	12 593 €	15 453 €	19 864 €	24 150 €	25 449 €	30 691 €	35 635 €	40 238 €
Flanges		DN80 A=500 B=300*	DN80 A=550 B=300*	DN100 A=550 B=400*	DN100 A=625 B=400*	DN125 A=720 B=450*	DN125 A=740 B=450*	DN150 A=725 B=550	DN150 A=760 B=605	DN200 A=765 B=600	DN250 A=760 B=700	DN250 A=850 B=650	DN250 A=check B=check
Media height *		500	600	650	720	800	850	900	1000	1000	1000	1000	900

\* Media height recommended calculated based on 30% expansion on distance between laterals and top distribution

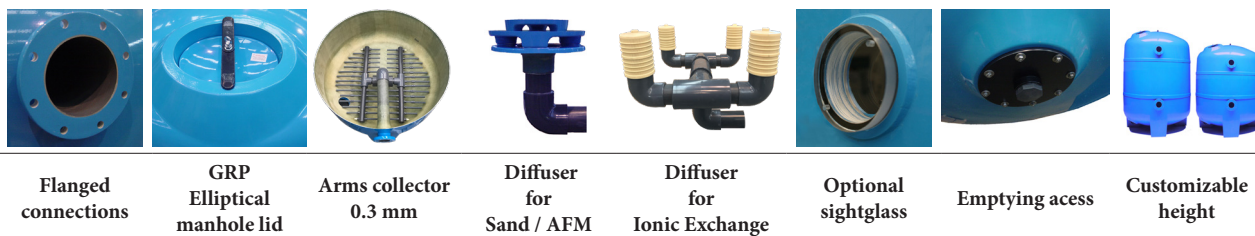
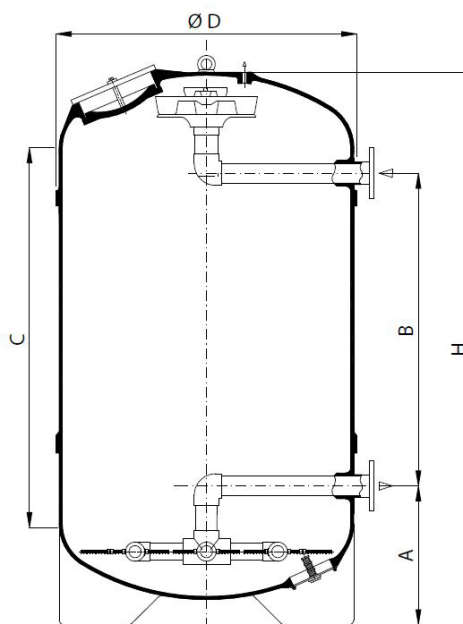
## D SERIES Ø 1010-3000

### D SERIES

Manufactured and calculated according to EN 13121-3.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 Flanged connections for INLET/OUTLET.  
 All connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Elliptical top manhole.  
 Design temperature 40°C.  
 Laterals distribution.

### ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Cylindrical height ad-hoc. (Ask us **more than 2000 mm**)  
 Additional sight glass. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact. (Ask us)



Flanged connections

GRP Elliptical manhole lid

Arms collector 0.3 mm

Diffuser for Sand / AFM

Diffuser for Ionic Exchange

Optional sightglass

Emptying access

Customizable height

Design Pressure		D-1010 C=1500 H=2000	D-1160 C=1500 H=2060	D-1260 C=1500 H=2100	D-1440 C=1500 H=2180	D-1640 C=1500 H=2260	D-1840 C=1500 H=2340	D-2040 C=1500 H=2410	D-2210 C=1500 H=2510	D-2340 C=1500 H=2530	D-2550 C=1500 H=2600	D-2800 C=1500 H=2800	D-3000 C=1500 H=2760
2.5 Kg/cm <sup>2</sup>	Ref.	352110	352111	352112	352114	352116	352118	352120	352122	352123	352125	352128	352130
	Price	5 313 €	6 185 €	6 644 €	8 108 €	10 532 €	12 888 €	15 290 €	16 632 €	18 289 €	21 981 €	23 740 €	27 408 €
	Δ 100 mm	129 €	137 €	209 €	269 €	299 €	312 €	326 €	326 €	326 €	326 €	532 €	718 €
4 Kg/cm <sup>2</sup>	Ref.	354110	354111	354112	354114	354116	354118	354120	354122	354123	354125	354128	354130
	Price	6 338 €	7 291 €	8 406 €	10 077 €	13 189 €	15 648 €	19 622 €	21 569 €	22 937 €	28 136 €	33 547 €	35 917 €
	Δ 100 mm	135 €	140 €	210 €	273 €	305 €	322 €	332 €	338 €	376 €	439 €	572 €	758 €
5 Kg/cm <sup>2</sup>	Ref.	355110	355111	355112	355114	355116	355118	355120	355122	355123	355125	355128	355130
	Price	7 312 €	8 061 €	9 182 €	11 382 €	14 375 €	17 504 €	21 360 €	24 995 €	26 890 €	32 354 €	36 966 €	43 584 €
	Δ 100 mm	149 €	178 €	235 €	288 €	338 €	403 €	521 €	427 €	446 €	520 €	664 €	759 €
6 Kg/cm <sup>2</sup>	Ref.	356110	356111	356112	356114	356116	356118	356120	356122	356123	356125	356128	356130
	Price	7 873 €	8 679 €	10 188 €	12 368 €	15 581 €	18 839 €	23 867 €	29 469 €	30 904 €	36 234 €	43 113 €	49 609 €
	Δ 100 mm	166 €	203 €	241 €	293 €	387 €	528 €	585 €	467 €	485 €	534 €	684 €	791 €
Recommended! Sightglass		+ 307 €	+ 307 €	+ 307 €	+ 307 €	+ 375 €	+ 375 €	+ 449 €	+ 449 €	+ 449 €	+ 449 €	+ 449 €	+ 449 €

# VARIATION OVER 35 REFERENCE

## DC SERIES Ø 1010-3000

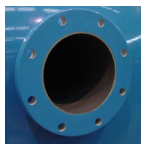
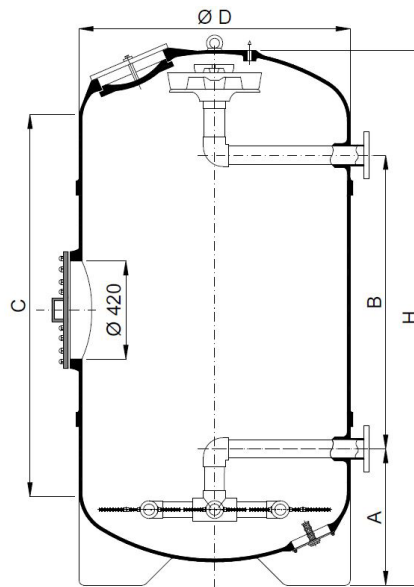
PRICE LIST 2020

### DC SERIES

Manufactured and calculated according to EN 13121-3.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 Flanged connections for INLET/OUTLET.  
 All connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Side manhole & elliptical top manhole.  
 Design temperature 40°C.  
 Laterals distribution.

### ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Cylindrical height ad-hoc. (Ask us more than 2000 mm)  
 Additional sight glass. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact. (Ask us)  
 Lateral manhole Ø500 mm.



Flanged connections

Plastized Manhole lid

GRP Elliptical manhole lid

Arms collector 0.3 mm

Diffuser for Sand / AFM

Diffuser for Ionic Exchange

Optional sightglass

Emptying access

Customizable height

Design Pressure		DC-1010	DC-1160	DC-1260	DC-1440	DC-1640	DC-1840	DC-2040	DC-2210	DC-2340	DC-2550	DC-2800	DC-3000
		C=1500 H=2000	C=1500 H=2060	C=1500 H=2100	C=1500 H=2180	C=1535 H=2295	C=1565 H=2405	C=1605 H=2515	C=1830 H=2840	C=1820 H=2850	C=1820 H=2920	C=1740 H=3040	C=1810 H=3070
2.5 Kg/cm <sup>2</sup>	Ref.	352110	352111	352112	352114	352116	352118	352120	352122	352123	352125	352128	352130
	Price	6 902 €	7 785 €	8 244 €	9 780 €	12 308 €	14 762 €	17 555 €	19 633 €	21 386 €	25 077 €	27 365 €	31 983 €
	Δ 100 mm	129 €	137 €	209 €	269 €	299 €	312 €	326 €	326 €	326 €	326 €	532 €	718 €
4 Kg/cm <sup>2</sup>	Ref.	354110	354111	354112	354114	354116	354118	354120	354122	354123	354125	354128	354130
	Price	7 927 €	8 892 €	10 007 €	11 748 €	14 967 €	17 529 €	21 894 €	24 607 €	26 192 €	31 591 €	37 269 €	40 615 €
	Δ 100 mm	135 €	140 €	210 €	273 €	305 €	322 €	332 €	338 €	376 €	439 €	572 €	758 €
5 Kg/cm <sup>2</sup>	Ref.	355110	355111	355112	355114	355116	355118	355120	355122	355123	355125	355128	355130
	Price	8 901 €	9 661 €	10 783 €	13 054 €	16 165 €	19 437 €	23 831 €	28 328 €	30 368 €	36 069 €	40 909 €	48 286 €
	Δ 100 mm	149 €	178 €	235 €	288 €	338 €	403 €	521 €	427 €	446 €	520 €	664 €	759 €
6 Kg/cm <sup>2</sup>	Ref.	356110	356111	356112	356114	356116	356118	356120	356122	356123	356125	356128	356130
	Price	9 462 €	10 279 €	11 789 €	14 039 €	17 388 €	20 854 €	26 405 €	32 933 €	34 509 €	39 994 €	47 103 €	54 409 €
	Δ 100 mm	166 €	203 €	241 €	293 €	387 €	528 €	585 €	467 €	485 €	534 €	684 €	791 €
Recomended!	Sightglass	+ 307 €	+ 307 €	+ 307 €	+ 307 €	+ 375 €	+ 375 €	+ 449 €	+ 449 €	+ 449 €	+ 449 €	+ 449 €	+ 449 €

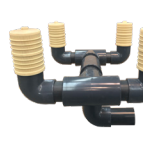
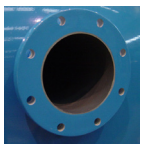
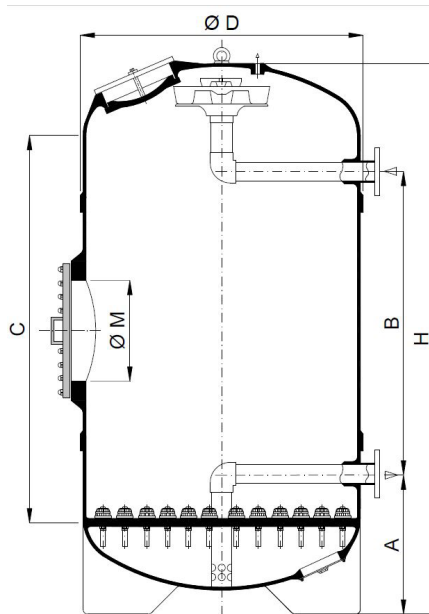
## DP SERIES Ø 1010-3000

### DP SERIES

Manufactured and calculated according to EN 13121-3.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 Flanged connections for INLET/OUTLET  
 All connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Side manhole & elliptical top manhole.  
 Design temperature 40°C.  
 Nozzle plate. (GRP + Steel)

### ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Cylindrical height ad-hoc. (Ask us more than 2000 mm)  
 Additional sight glass. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact. (Ask us)  
 Lateral manhole Ø500 mm.



Flanged connections

Plastized Manhole lid

GRP Elliptical manhole lid

Steel ARMORED Nozzle plate

Diffuser for Sand / AFM

Diffuser for Ionic Exchange

Optional sightglass

Emptying access

Customizable height

Design Pressure		DP-1010 C=1500 H=2090	DP-1160 C=1500 H=2150	DP-1260 C=1500 H=2180	DP-1440 C=1500 H=2290	DP-1640 C=1500 H=2370	DP-1840 C=1500 H=2450	DP-2040 C=1500 H=2515	DP-2210 C=1735 H=2840	DP-2340 C=1730 H=2850	DP-2550 C=1730 H=2920	DP-2800 C=1710 H=3040	DP-3000 C=1760 H=3070
2.5 Kg/cm <sup>2</sup>	Ref.	362110	362111	362112	362114	362116	362118	362120	362122	362123	362125	362128	362130
	Price	8 748 €	10 170 €	11 151 €	13 175 €	16 638 €	19 525 €	23 771 €	27 008 €	29 059 €	34 174 €	39 230 €	45 349 €
	Δ 100 mm	129 €	137 €	209 €	269 €	299 €	312 €	326 €	326 €	326 €	326 €	532 €	718 €
4 Kg/cm <sup>2</sup>	Ref.	364110	364111	364112	364114	364116	364118	364120	364122	364123	364125	364128	364130
	Price	9 773 €	11 277 €	12 914 €	15 143 €	19 295 €	22 285 €	28 104 €	31 971 €	33 821 €	40 587 €	49 122 €	53 962 €
	Δ 100 mm	135 €	140 €	210 €	273 €	305 €	322 €	332 €	338 €	376 €	439 €	572 €	758 €
5 Kg/cm <sup>2</sup>	Ref.	365110	365111	365112	365114	365116	365118	365120	365122	365123	365125	365128	365130
	Price	10 747 €	12 046 €	13 690 €	16 448 €	20 481 €	24 141 €	29 842 €	35 607 €	37 935 €	44 992 €	52 734 €	61 632 €
	Δ 100 mm	149 €	178 €	235 €	288 €	338 €	403 €	521 €	427 €	446 €	520 €	664 €	759 €
6 Kg/cm <sup>2</sup>	Ref.	366110	366111	366112	366114	366116	366118	366120	366122	366123	366125	366128	366130
	Price	11 308 €	12 664 €	14 696 €	17 434 €	21 687 €	25 476 €	32 349 €	40 174 €	42 039 €	48 904 €	58 922 €	67 739 €
	Δ 100 mm	166 €	203 €	241 €	293 €	387 €	528 €	585 €	467 €	485 €	534 €	684 €	791 €
Recomended!	Sightglass	+ 307 €	+ 307 €	+ 307 €	+ 307 €	+ 375 €	+ 375 €	+ 449 €	+ 449 €	+ 449 €	+ 449 €	+ 449 €	+ 449 €

# STANDARD AFM / SAND FILTERS

## HORIZONTAL FILTERS (Ø1840 - 3000)

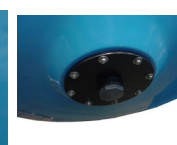
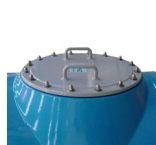
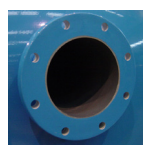
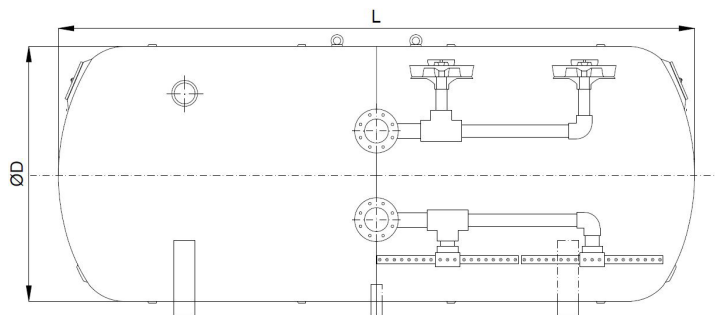
PRICE LIST 2020

### HORIZONTAL SERIES

Manufactured and calculated according to EN 13121-3.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 Flanged connections for INLET/OUTLET.  
 All connections are part of the structure of the filter in GRP.  
 Supports for the filter included (2 or 3 according to model).  
 2 x elliptical top manhole.  
 Sightglass included.  
 Design temperature 40°C.  
 Laterals distribution.

### ADDITIONAL OPTIONS

Customizable length if necessary.  
 Air backwash distribution. (Ask us) ----->  
 Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Additional sight glass. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Flange connections in the dome. (Ask us) ---->  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact. (Ask us)  
 Additional flanges. [See page 38](#)



Flanged connections

Optional Plastitized Manhole lid

2 x GRP Elliptical manhole lid

Arms collector 0.3 mm

Diffuser for Sand / AFM

Diffuser for Active Carbon

ALWAYS with sightglass

Emptying access

Separated supports

Ø	Total Length	Filtering Surface	AFM/SAND Load	Ref.	2,5 Kg/cm <sup>2</sup>	Ref.	4 Kg/cm <sup>2</sup>	Ref.	5 Kg/cm <sup>2</sup>	Ref.	6 Kg/cm <sup>2</sup>
1840	3100	5,22 m <sup>2</sup>	5,05 / 6,30 Tn	322118	17 070 €	324118	26 557 €	325118	29 282 €	326118	34 513 €
	3900	6,50 m <sup>2</sup>	6,65 / 8,30 Tn	322218	21 173 €	324218	31 570 €	325218	38 372 €	326218	42 349 €
	4700	8,11 m <sup>2</sup>	7,95 / 9,90 Tn	322318	25 856 €	324318	38 176 €	325318	44 242 €	326318	51 113 €
	5500	9,55 m <sup>2</sup>	9,45 / 11,80 Tn	322418	28 357 €	324418	44 257 €	325418	51 376 €	326418	59 475 €
	6300	11,11 m <sup>2</sup>	10,95 / 13,70 Tn	322518	33 633 €	324518	50 289 €	325518	58 896 €	326518	67 958 €
2040	3360	6,50 m <sup>2</sup>	8,00 / 10,00 Tn	322120	21 036 €	324120	29 819 €	325120	34 516 €	326120	40 543 €
	4160	8,00 m <sup>2</sup>	9,30 / 11,6 Tn	322220	25 149 €	324220	36 022 €	325220	40 861 €	326220	49 750 €
	4960	9,50 m <sup>2</sup>	11,15 / 13,90 Tn	322320	30 042 €	324320	43 470 €	325320	50 046 €	326320	58 160 €
	5660	11,00 m <sup>2</sup>	12,80 / 16,00 Tn	322420	34 188 €	324420	50 131 €	325420	56 901 €	326420	67 521 €
	6460	12,70 m <sup>2</sup>	14,90 / 18,60 Tn	322520	38 216 €	324520	55 811 €	325520	65 401 €	326520	76 339 €
2210	3400	7,08 m <sup>2</sup>	9,75 / 12,20 Tn	322122	23 880 €	324122	33 825 €	325122	39 861 €	326122	46 917 €
	4170	8,80 m <sup>2</sup>	12,15 / 15,20 Tn	322222	27 659 €	324222	40 676 €	325222	46 725 €	326222	55 073 €
	5000	10,70 m <sup>2</sup>	14,40 / 18,00 Tn	322322	32 770 €	324322	48 580 €	325322	55 739 €	326322	64 464 €
	5720	12,40 m <sup>2</sup>	17,05 / 21,30 Tn	322422	36 966 €	324422	55 628 €	325422	63 163 €	326422	73 499 €
	6500	14,20 m <sup>2</sup>	19,55 / 24,40 Tn	322522	41 153 €	324522	62 148 €	325522	71 444 €	326522	81 941 €
2340	3520	7,40 m <sup>2</sup>	9,60 / 12,00 Tn	322123	26 147 €	324123	37 014 €	325123	44 244 €	326123	52 157 €
	4300	9,30 m <sup>2</sup>	12,10 / 15,10 Tn	322223	29 499 €	324223	44 347 €	325223	51 461 €	326223	59 065 €
	5100	11,20 m <sup>2</sup>	14,55 / 18,20 Tn	322323	34 707 €	324323	52 515 €	325323	60 086 €	326323	69 210 €
	5800	13,00 m <sup>2</sup>	16,65 / 20,80 Tn	322423	38 852 €	324423	59 782 €	325423	67 899 €	326423	77 701 €
	6600	15,00 m <sup>2</sup>	19,15 / 23,90 Tn	322523	43 095 €	324523	66 982 €	325523	75 761 €	326523	85 563 €
2550	3450	8,00 m <sup>2</sup>	10,80 / 13,50 Tn	322125	28 316 €	324125	40 991 €	325125	49 125 €	326125	58 469 €
	4350	10,00 m <sup>2</sup>	14,40 / 18,00 Tn	322225	32 811 €	324225	49 337 €	325225	57 906 €	326225	67 337 €
	5150	12,30 m <sup>2</sup>	17,20 / 21,50 Tn	322325	38 161 €	324325	58 701 €	325325	67 625 €	326325	77 857 €
	6000	14,40 m <sup>2</sup>	20,35 / 25,40 Tn	322425	42 622 €	324425	66 955 €	325425	75 423 €	326425	87 238 €
	6850	16,50 m <sup>2</sup>	23,35 / 29,20 Tn	322525	47 046 €	324525	75 442 €	325525	85 048 €	326525	97 336 €
2800	3680	9,30 m <sup>2</sup>	14,15 / 17,70 Tn	322128	31 008 €	324128	48 630 €	325128	58 265 €	326128	70 272 €
	4500	11,60 m <sup>2</sup>	18,15 / 22,70 Tn	322228	38 951 €	324228	58 301 €	325228	68 521 €	326228	79 582 €
	5360	14,00 m <sup>2</sup>	21,75 / 27,20 Tn	322328	44 396 €	324328	68 213 €	325328	79 097 €	326328	91 354 €
	6230	16,40 m <sup>2</sup>	25,75 / 32,20 Tn	322428	49 493 €	324428	77 775 €	325428	88 694 €	326428	101 397 €
	7040	18,50 m <sup>2</sup>	29,60 / 37,00 Tn	322528	54 943 €	324528	84 708 €	325528	97 393 €	326528	111 475 €
3000	Values to be checked at order time										



### CARTRIDGE FILTER

Steel reinforced GRP vessel.

Material: Hand lay-up polyester with fiberglass (max quality polyester tech).

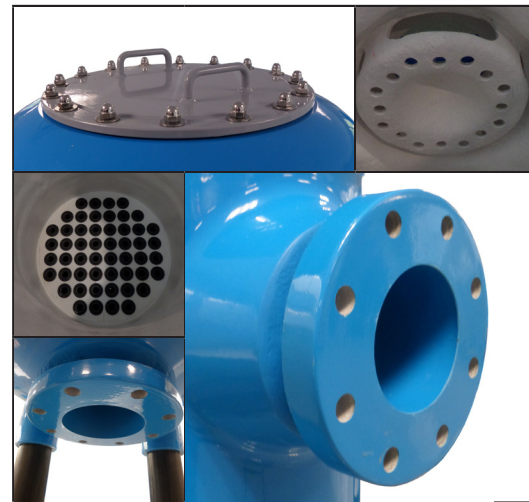
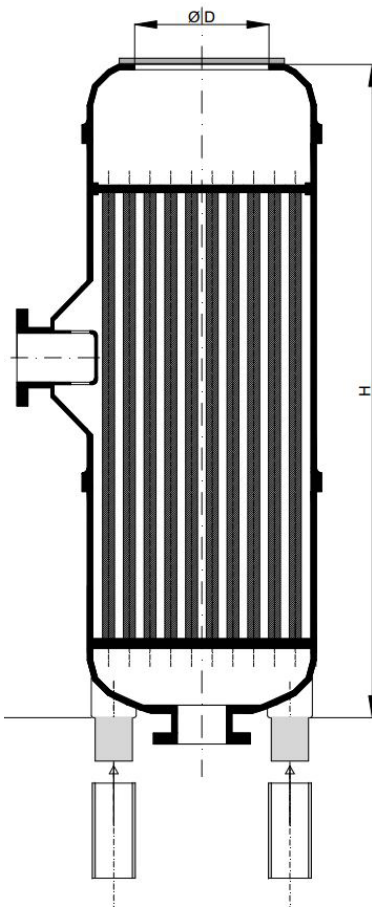
Manufactured and calculated according to EN 13121-3.

All connections are part of the structure of the filter in GRP.

Test pressure is 1,5 times design pressure.

Design temperature 40°C.

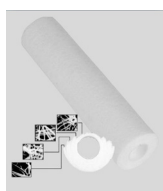
PVC pipes inside threaded to plate to insert Cartridges.



Model	CF-330/30 Ø330	CF-415/30 Ø415	CF-520/30 Ø520	CF-640/30 Ø640	CF-720/30 Ø720	CF-840/30 Ø840	CF-960/30 Ø960
N° Cartridges	14	21	32	52	69	90	120
Ref	436303	436304	436305	436306	436307	436308	436310
Length Cartridges	30" (28.1 m³/h)	30" (42.2 m³/h)	30" (64.3 m³/h)	30" (104.5 m³/h)	30" (138.6 m³/h)	30" (181 m³/h)	30" (241.2 m³/h)
Price	3 672 €	5 896 €	6 712 €	8 599 €	10 669 €	12 740 €	19 972 €

Model	CF-330/40 Ø330	CF-415/40 Ø415	CF-520/40 Ø520	CF-640/40 Ø640	CF-720/40 Ø720	CF-840/40 Ø840	CF-960/40 Ø96
N° Cartridges	14	21	32	52	69	90	120
Ref	436403	436404	436405	436406	436407	436408	436410
Length Cartridges	40" (37.5 m³/h)	40" (56.2 m³/h)	40" (85.7 m³/h)	40" (139.3 m³/h)	40" (184.9 m³/h)	40" (241.2 m³/h)	40" (321.6 m³/h)
Price	3 774 €	6 018 €	6 854 €	8 792 €	10 914 €	13 056 €	20 298 €

### Cartridges not included in the price!



TwinPure 4 layers is a new cartridge filter, manufactured with 4 different filtration layers. The patented multilayer configuration has the benefits of a deep filtration. TwinPure 4 layers has been designed without internal soul and with a high particle retention capacity and a lower initial differential pressure. The 4 layers with different micron sizes allows increase the colloidal retention capacity and reduce the filtration costs.

It is recommended to replace the filtration element at 1,0-1,5 Bar.

*Recommended flow for  
each 10" 0.67 m³/h*

	1 µ	5 µ	10 µ
30"	20 €	20 €	20 €
40"	20 €	20 €	20 €

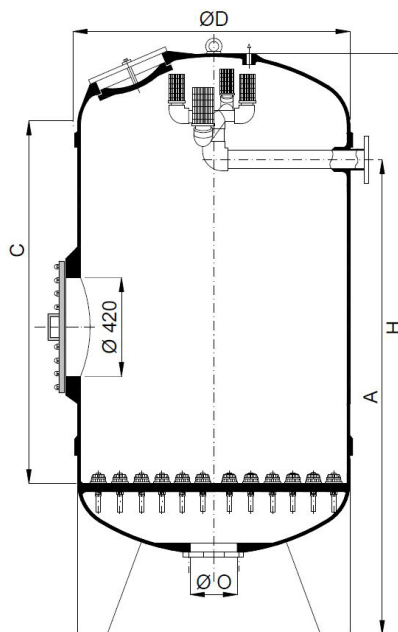
## KP SERIES Ø 1010-1840

### KP SERIES

Manufactured and calculated according to EN 13121-3.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 Flanged connections for INLET/OUTLET or PVC lid in the bottom.  
 All connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Side manhole & elliptical top manhole.  
 Design temperature 40°C.  
 Bottom nozzle plate. (GRP + Steel)  
 Longer legs for bottom connection or complete drain.

### ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Cylindrical height ad-hoc. (Ask us more than 2000 mm)  
 Additional sight glass. [See page 38](#)  
 Additional flanges. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact. (Ask us)  
 Lateral manhole Ø500 mm.



Flanged connections    Plastized Manhole lid    GRP Elliptical manhole lid    ARMORED Nozzle plate    Optional Sightglass    Diffuser for Ionic exchange    Higher legs    Optional bottom flange    Customizable height

Design Pressure		KP-1010 C=1500 H=2290	KP-1160 C=1500 H=2385	KP-1260 C=1500 H=2435	KP-1440 C=1500 H=2510	KP-1640 C=1500 H=2570	KP-1840 C=1500 H=2700
2.5 Kg/cm <sup>2</sup>	Ref.	382110	382111	382112	382114	382116	382118
	Price	9 033 €	10 452 €	11 553 €	13 708 €	17 349 €	20 322 €
	Δ 100 mm	129 €	137 €	209 €	269 €	299 €	312 €
4 Kg/cm <sup>2</sup>	Ref.	384110	384111	384112	384114	384116	384118
	Price	10 042 €	11 612 €	13 373 €	15 705 €	20 091 €	23 143 €
	Δ 100 mm	135 €	140 €	210 €	273 €	305 €	322 €
5 Kg/cm <sup>2</sup>	Ref.	385110	385111	385112	385114	385116	385118
	Price	10 993 €	12 378 €	14 160 €	17 015 €	21 271 €	25 132 €
	Δ 100 mm	149 €	178 €	235 €	288 €	338 €	403 €
6 Kg/cm <sup>2</sup>	Ref.	386110	386111	386112	386114	386116	386118
	Price	11 637 €	13 093 €	15 441 €	17 534 €	22 624 €	26 555 €
	Δ 100 mm	166 €	203 €	241 €	293 €	387 €	528 €
Recomended!	Sightglass	+ 307 €	+ 307 €	+ 307 €	+ 307 €	+ 375 €	+ 375 €

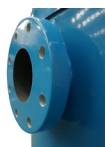
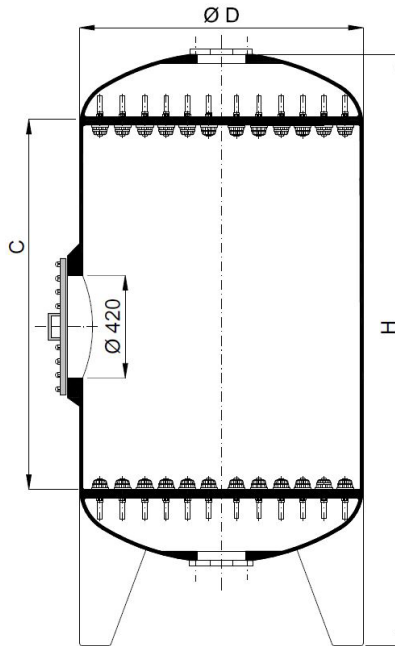
## KPP SERIES Ø 1010-1840

### KPP SERIES

Manufactured and calculated according to EN 13121-3.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 Flanged connections for INLET/OUTLET or PVC lids.  
 All connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Side manhole.  
 Design temperature 40°C.  
 Bottom nozzle plate (GRP + Steel)  
 Top nozzle plate. (GRP + Steel)  
 Longer legs for bottom connection or complete drain.

### ADDITIONAL OPTIONS

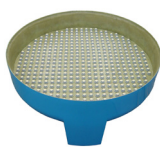
Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Cylindrical height ad-hoc. (Ask us more than 2000 mm)  
 Additional sight glass. [See page 38](#)  
 Additional flanges. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact. (Ask us)  
 Lateral manhole Ø500 mm.



Optional Flanged Load/Unload



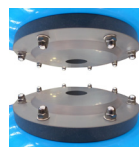
Plastiziced Manhole lid



2 x ARMORED Nozzle plate



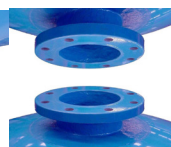
Optional Sightglass



Top connection Standard



Higher legs



Optional flanged connections



Customizable height

Design Pressure		KPP-1010 C=1500 H=2325	KPP-1160 C=1500 H=2435	KPP-1260 C=1500 H=2450	KPP-1440 C=1500 H=2535	KPP-1640 C=1500 H=2585	KPP-1840 C=1500 H=2735
2.5 Kg/cm <sup>2</sup>	Ref.	382110	382111	382112	382114	382116	382118
	Price	10 916 €	12 964 €	14 628 €	17 433 €	22 220 €	26 075 €
	Δ 100 mm	129 €	137 €	209 €	269 €	299 €	312 €
4 Kg/cm <sup>2</sup>	Ref.	384110	384111	384112	384114	384116	384118
	Price	11 925 €	14 124 €	16 447 €	19 431 €	24 962 €	28 896 €
	Δ 100 mm	135 €	140 €	210 €	273 €	305 €	322 €
5 Kg/cm <sup>2</sup>	Ref.	385110	385111	385112	385114	385116	385118
	Price	12 876 €	14 890 €	17 234 €	20 741 €	26 143 €	30 884 €
	Δ 100 mm	149 €	178 €	235 €	288 €	338 €	403 €
6 Kg/cm <sup>2</sup>	Ref.	386110	386111	386112	386114	386116	386118
	Price	13 520 €	15 605 €	18 515 €	21 260 €	27 495 €	32 308 €
	Δ 100 mm	166 €	203 €	241 €	293 €	387 €	528 €
Recomended!	Sightglass	+ 307 €	+ 307 €	+ 307 €	+ 307 €	+ 375 €	+ 375 €

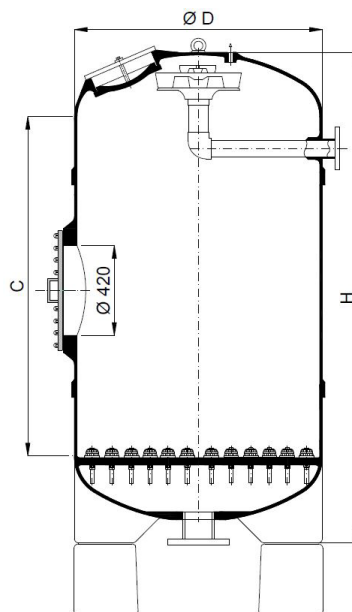
## DPC SERIES Ø 2040-3000

### DPC SERIES

Manufactured and calculated according to EN 13121-3.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 Flanged connections for INLET/OUTLET or PVC lid in the bottom.  
 All connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Side manhole & elliptical top manhole.  
 Design temperature 40°C.  
 Bottom nozzle plate (GRP + Steel).  
 Leg extension for bottom connection (up to 500 mm) or complete drain.

### ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Cylindrical height ad-hoc. (Ask us more than 2000 mm)  
 Additional sight glass. [See page 38](#)  
 Additional flanges. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact. (Ask us)  
 Lateral manhole Ø500 mm.



	Flanged connections	Plastized Manhole lid	GRP Elliptical manhole lid	ARMORED Nozzle plate	Optional sightglass	Diffuser for Ionic Exchange	Leg extension in GRP	Standard bottom flange	Customizable height
<b>Design Pressure</b>			<b>DPC-2040</b> C=1500 *H=2515	<b>DPC-2210</b> C=1735 *H=2840	<b>DPC-2340</b> C=1730 *H=2850	<b>DPC-2550</b> C=1730 *H=2920	<b>DPC-2800</b> C=1710 *H=3040	<b>DPC-3000</b> C=1760 *H=3070	
2.5 Kg/cm <sup>2</sup>	Ref.		382120	382122	382123	382125	382128	382130	
	<b>Price</b>		25 671 €	28 908 €	30 959 €	36 074 €	41 130 €	47 249 €	
	Δ 100 mm		326 €	326 €	326 €	326 €	532 €	718 €	
4 Kg/cm <sup>2</sup>	Ref.		384120	384122	384123	384125	384128	384130	
	<b>Price</b>		30 004 €	33 871 €	35 721 €	42 487 €	51 022 €	55 862 €	
	Δ 100 mm		332 €	338 €	376 €	439 €	572 €	758 €	
5 Kg/cm <sup>2</sup>	Ref.		385120	385122	385123	385125	385128	385130	
	<b>Price</b>		31 742 €	37 507 €	39 835 €	46 892 €	54 634 €	63 532 €	
	Δ 100 mm		521 €	427 €	446 €	520 €	664 €	759 €	
6 Kg/cm <sup>2</sup>	Ref.		386120	386122	386123	386125	386128	386130	
	<b>Price</b>		34 249 €	42 074 €	43 939 €	50 804 €	60 822 €	69 639 €	
	Δ 100 mm		585 €	467 €	485 €	534 €	684 €	791 €	
Recomended!	Sightglass		+ 449 €	+ 449 €	+ 449 €	+ 449 €	+ 449 €	+ 449 €	

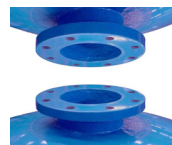
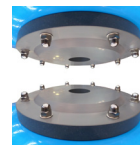
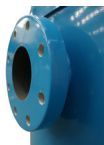
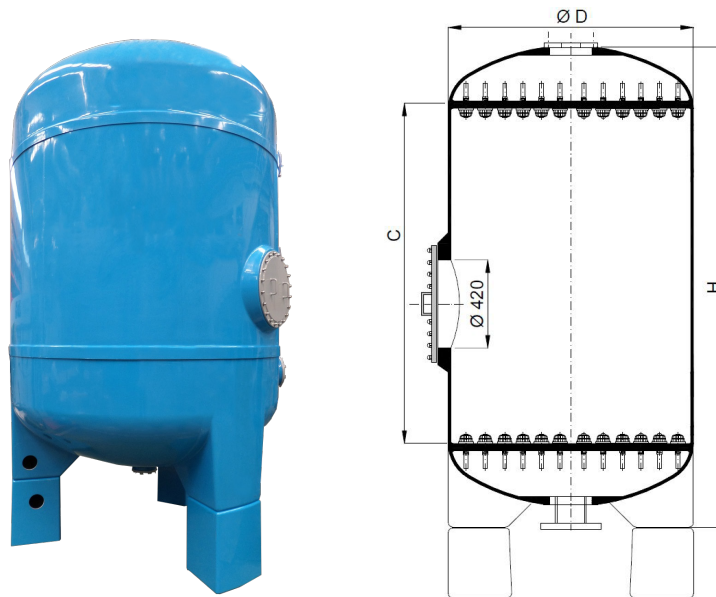
## DPPC SERIES Ø 2040-3000

### DPPC SERIES

Manufactured and calculated according to EN 13121-3.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 Flanged connections for INLET/OUTLET or PVC lids.  
 All connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Side manhole.  
 Design temperature 40°C.  
 Bottom nozzle plate. (GRP + Steel)  
 Top nozzle plate. (GRP + Steel)  
 Leg extension for bottom connection (up to 500 mm) or complete drain.

### ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Cylindrical height ad-hoc. (Ask us more than 2000 mm)  
 Additional sight glass. [See page 38](#)  
 Additional flanges. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact. (Ask us)  
 Lateral manhole Ø500 mm.



Optional Flanged Load/Unload

Plastized Manhole lid

2 x ARMORED Nozzle plate

Optional sightglass

Leg extension in GRP

Optional Lid connections

Standard flanged connections

Customizable height

Design Pressure		DPPC-2040 C=1650 *H=2720	DPPC-2210 C=1655 *H=2840	DPPC-2340 C=1660 *H=2850	DPPC-2550 C=1680 *H=2920	DPPC-2800 C=1680 *H=3040	DPPC-3000 C=1710 *H=3070
2.5 Kg/cm <sup>2</sup>	Ref.	382120	382122	382123	382125	382128	382130
	Price	34 141 €	38 013 €	40 607 €	47 444 €	55 409 €	63 132 €
	Δ 100 mm	326 €	326 €	326 €	326 €	532 €	718 €
4 Kg/cm <sup>2</sup>	Ref.	384120	384122	384123	384125	384128	384130
	Price	38 484 €	42 967 €	45 333 €	53 800 €	65 288 €	71 725 €
	Δ 100 mm	332 €	338 €	376 €	439 €	572 €	758 €
5 Kg/cm <sup>2</sup>	Ref.	385120	385122	385123	385125	385128	385130
	Price	40 505 €	46 531 €	49 398 €	58 165 €	68 873 €	79 395 €
	Δ 100 mm	521 €	427 €	446 €	520 €	664 €	759 €
6 Kg/cm <sup>2</sup>	Ref.	386120	386122	386123	386125	386128	386130
	Price	43 108 €	51 067 €	53 476 €	62 070 €	75 055 €	85 486 €
	Δ 100 mm	585 €	467 €	485 €	534 €	684 €	791 €
Recomended!	Sightglass	+ 449 €	+ 449 €	+ 449 €	+ 449 €	+ 449 €	+ 449 €

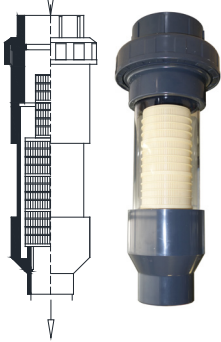
### MEDIATRAPS

Material: Hand lay-up polyester with fiberglass (max quality polyester tech) or PVC  
 GRP Media traps manufactured and calculated according to EN 13121-3.  
 Steel reinforced GRP vessel.  
 Flanged connections for INLET/OUTLET or PVC.  
 Design temperature 40°C.  
 KSH internal nozzles 0.2 mm.

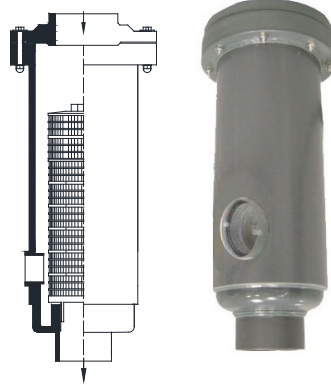
### ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Additional sight glass. [See page 38](#)  
 Additional flanges. [See page 38](#)  
 Drinking water / Food contact. (Ask us)

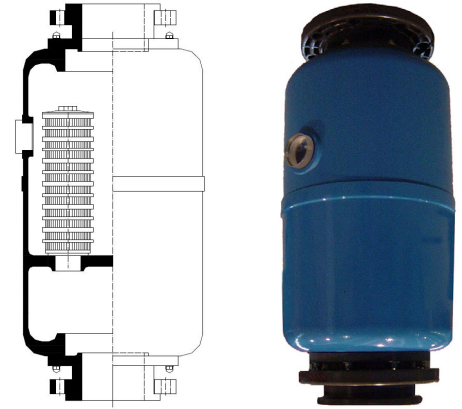
S-20



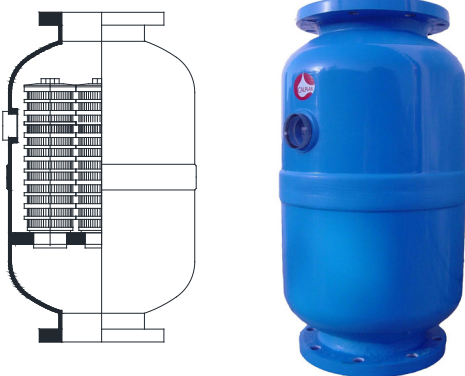
S-40



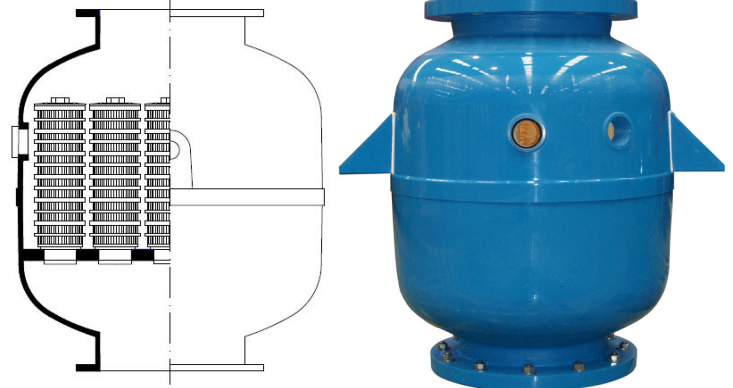
S-120



S-200 / S-280



S-600



OPTIONAL support for horizontal/vertical position: 355 €

ID	S - 20	S - 40	S - 120	S - 200	S - 280	S - 600
Ref.	426000	426001	426003	426005	4260007	4260015
Max. Flow	20 m3/h	40 m3/h	120 m3/h	200 m3/h	280 m3/h	600 m3/h
Max Connections	Ø 63 (DN 50)	Ø 90 (DN 80)	Ø 140 (DN 125)	Ø 225 (DN 200)	Ø 280 (DN 250)	Ø 505(DN 350)
Diameter	Ø110	Ø230	Ø360	Ø415	Ø460	Ø730
Length	465	560	750	770	770	930
Pressure	6 kg/cm2	6 kg/cm2	6 kg/cm2	6 kg/cm2	6 kg/cm2	6 kg/cm2
Material	PVC	PVC	GRP	GRP	GRP	GRP
Price	390 €	897 €	1 529 €	2 311 €	3 021 €	6 798 €

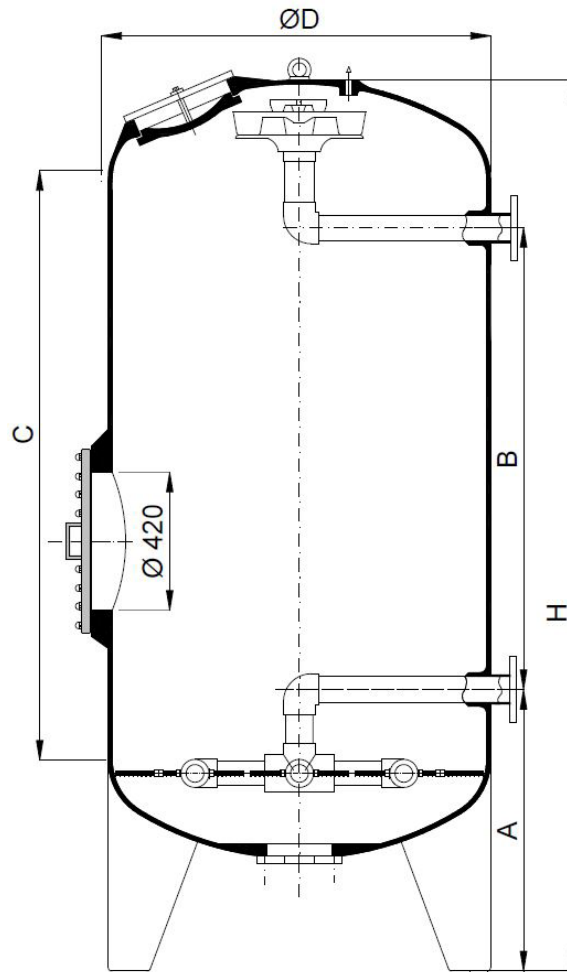
KB SERIES Ø 1010-1840

**KB SERIES**

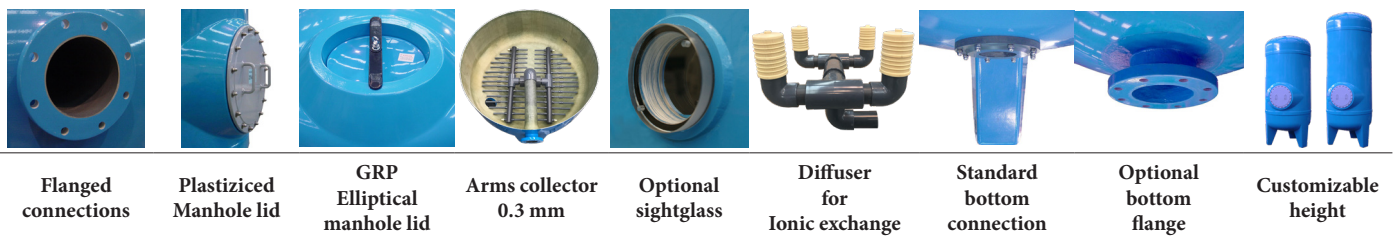
Manufactured and calculated according to EN 13121-3.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 Flanged connections for INLET/OUTLET or PVC lid in the bottom.  
 All connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Side manhole & elliptical top manhole.  
 Design temperature 40°C.  
 Laterals distribution.  
 Longer legs for bottom connection or complete drain.

**ADDITIONAL OPTIONS**

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Cylindrical height ad-hoc.  
 Additional sight glass. [See page 38](#)  
 Additional flanges. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact. (Ask us)  
 Lateral manhole Ø500 mm.



*Most common configuration  
 Prices AD-HOC*



Flanged connections

Plastized Manhole lid

GRP Elliptical manhole lid

Arms collector 0.3 mm

Optional sightglass

Diffuser for Ionic exchange

Standard bottom connection

Optional bottom flange

Customizable height

# SPECIAL IONIC EXCHANGERS

## KPPP SERIES (THREE NOZZLE PLATE)

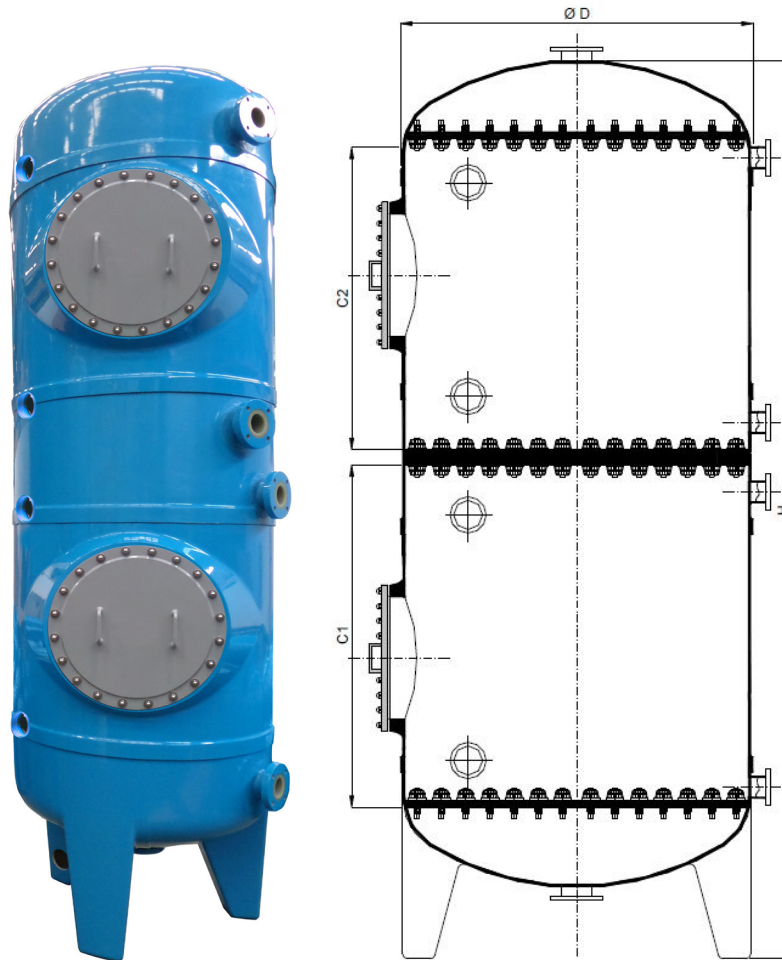
PRICE LIST 2020

### KPPP SERIES

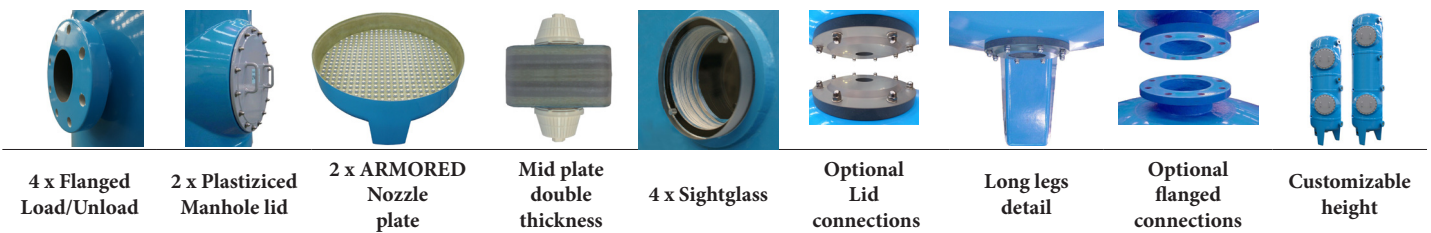
Manufactured and calculated according to EN 13121-3.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 Flanged connections for INLET/OUTLET or PVC lid in the bottom.  
 All connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 2 x Side manhole.  
 Design temperature 40°C.  
 Top mid & bottom nozzle plate. (GRP + Steel)  
 Longer legs for bottom connection or complete drain.

### ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us)  
 Cylindrical height ad-hoc.  
 Additional sight glass.  
 Additional flanges.  
 Anchorage system to ground.  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact. (Ask us)  
 Lateral manhole Ø500 mm.



**Most common configuration**  
**Prices AD-HOC**





# SPECIAL IONIC EXCHANGERS

## MB SERIES (MIXED BEDS)

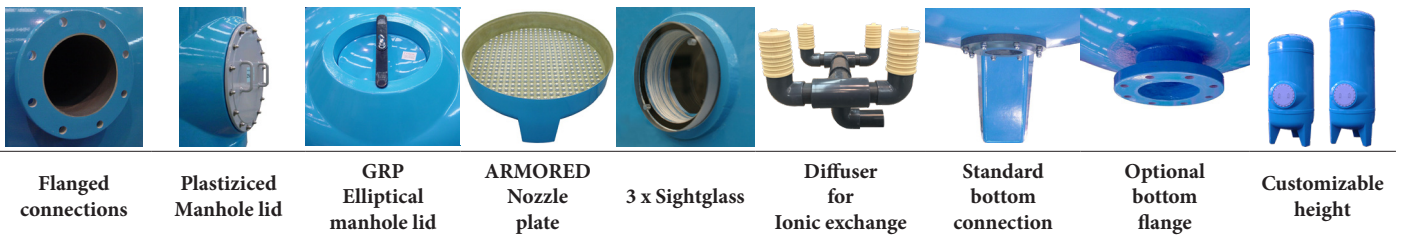
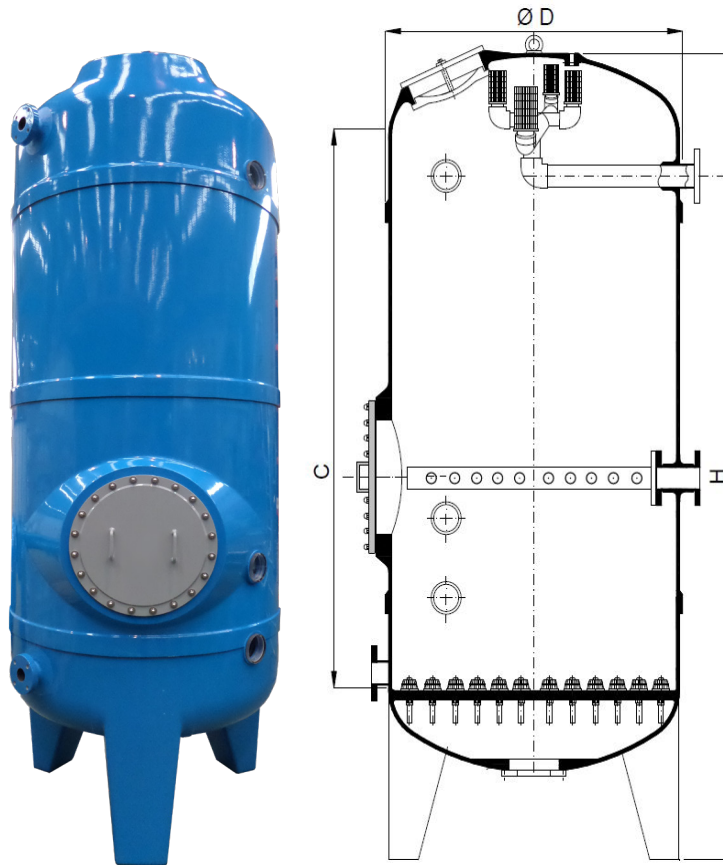
PRICE LIST 2020

### MIXED BEDS

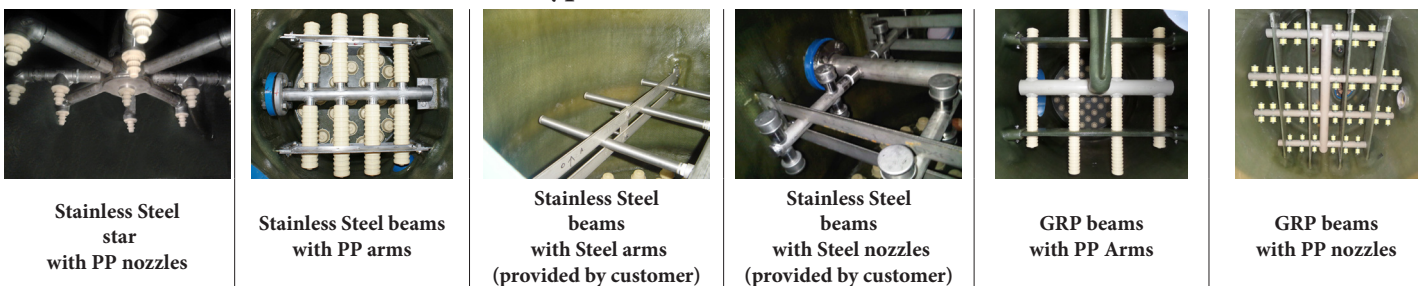
Manufactured and calculated according to EN 13121-3.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 Flanged connections for INLET/OUTLET or PVC lid in the bottom.  
 All connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Side manhole & elliptical top manhole.  
 Design temperature 40°C.  
 Bottom nozzle plate. (GRP + Steel)  
 Longer legs for bottom connection or complete drain.  
 Mid distributor included.

### ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us)  
 Cylindrical height ad-hoc.  
 Additional sight glass.  
 Additional flanges.  
 Anchorage system to ground.  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact (Ask us)  
 Lateral manhole Ø500 mm.  
 Mid distributor provided by engineering company (Ask us).



### Types of mid distributors



# CUSTOMIZED PUMP STRAINERS

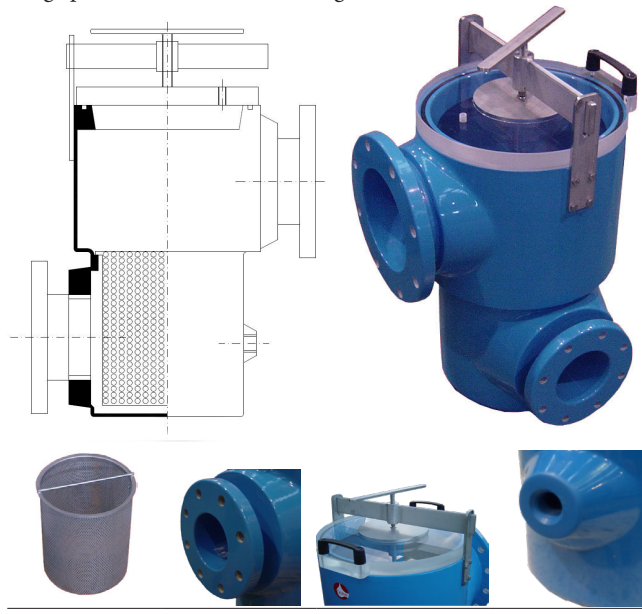
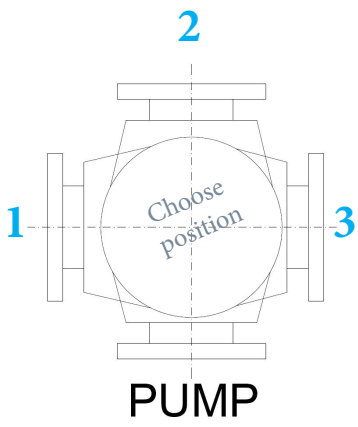
PRICE LIST 2020

## PUMP STRAINERS

Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Flanged connections for INLET/OUTLET  
 All connections are part of the structure of the filter in GRP.  
 Design temperature 40°C.  
 1 bar Max. pressure.  
 Quick opening device.  
 304 Stainless steel Ø4 mm hole.  
 Extremely robust.  
 Designed for suction side.  
 Basket hole Ø4 mm.  
 Flange position customizable in angle.

## ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us)  
 Different Inlet/Outlet flange sizes in same strainer.  
 Optional basket hole size Ø2mm.  
 Stainless steel 316 available at order.



## USE IT AS A COLLECTOR!

Multiple flanges for inlet or outlet .  
 Just add price of flange. See page 38

P25 5 Kg/cm<sup>2</sup>

+20% price increase according to model



Standard 304 Stainless Steel      Flanged connections      Transparent lid Fast opening      Emptying thread

Basket capacity: 4 l   ~ Flow 30 m <sup>3</sup> /h				Basket capacity: 8 l   ~ Flow 80 m <sup>3</sup> /h				Basket capacity: 15 l   ~ Flow 120 m <sup>3</sup> /h			
Ref	ID	Connections	Price	Ref	ID	Connections	Price	Ref	ID	Connections	Price
410403	P4/32	DN25	1 274 €	410805	P8/50	DN40	1 875 €	411507	P15/75	DN65	2 179 €
410404	P4/40	DN32	1 281 €	410806	P8/63	DN50	1 875 €	411509	P15/90	DN80	2 197 €
410405	P4/50	DN40	1 288 €	410807	P8/75	DN65	1 889 €	411511	P15/110	DN100	2 214 €
410406	P4/63	DN50	1 294 €	410809	P8/90	DN80	1 904 €	411512	P15/125	DN110	2 230 €
410407	P4/75	DN65	1 309 €	410811	P8/110	DN100	1 921 €	411514	P15/140	DN125	2 256 €
410409	P4/90	DN80	1 325 €	410812	P8/125	DN110	1 937 €	411516	P15/160	DN150	2 289 €
				410814	P8/140	DN125	1 963 €	411520	P15/200	DN175	2 324 €
				410816	P8/160	DN150	1 996 €	411522	P15/225	DN200	2 353 €
P4 Basket SS 316: +25 €				P8 Basket SS 316: +43 €				P15 Basket SS 316: +55 €			

Basket capacity: 25 l   ~ Flow 250 m <sup>3</sup> /h				Basket capacity: 60 l   ~ Flow 350 m <sup>3</sup> /h				Basket capacity: 75 l   ~ Flow 600 m <sup>3</sup> /h			
Ref	ID	Connections	Price	Ref	ID	Connections	Price	Ref	ID	Connections	Price
412509	P25/90	DN80	2 414 €	416012	P60/125	DN110	3 245 €	417525	P75/250	DN250	3 704 €
412511	P25/110	DN100	2 432 €	416014	P60/140	DN125	3 271 €	417530	P75/300	DN300	3 764 €
412512	P25/125	DN110	2 447 €	416016	P60/160	DN150	3 304 €	417535	P75/350	DN350	3 823 €
412514	P25/140	DN125	2 474 €	416020	P60/200	DN175	3 339 €	417540	P75/400	DN400	3 964 €
412516	P25/160	DN150	2 507 €	416022	P60/225	DN200	3 367 €	417545	P75/450	DN450	4 059 €
412520	P25/200	DN175	2 542 €	416025	P60/250	DN250	3 416 €	417550	P75/500	DN500	4 292 €
412522	P25/225	DN200	2 571 €	416030	P60/300	DN300	3 475 €				
412525	P25/250	DN250	2 619 €	416035	P60/350	DN350	3 535 €				
P25 Basket SS 316: +65 €				P60 Basket SS 316: +132 €				P75 Basket SS 316: +144 €			

# DECANTATION EQUIPMENT

## DECANTERS Ø1260 - 2550

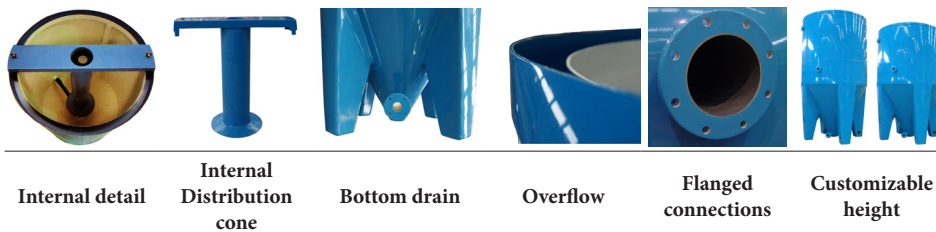
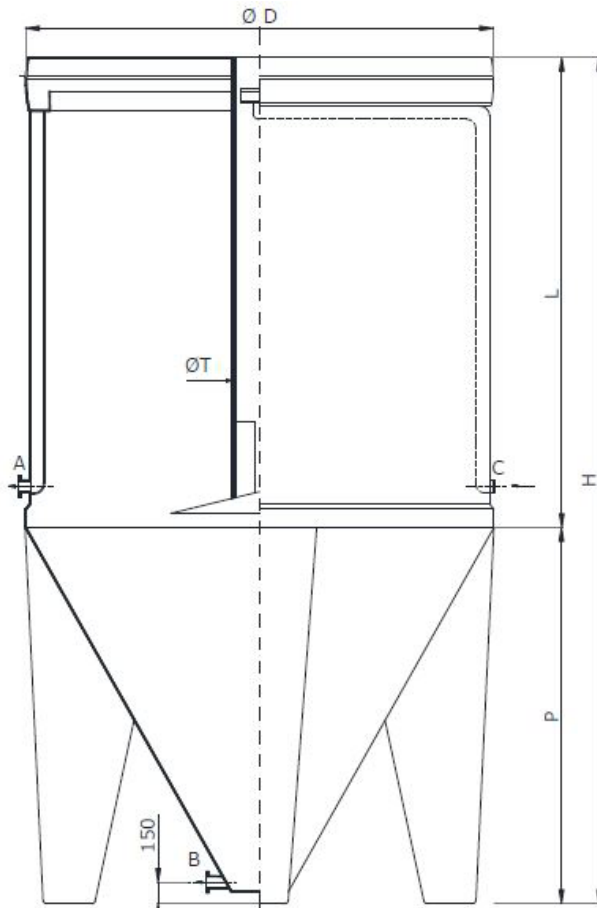
PRICE LIST 2020

### DECANTERS

Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Flanged connections for INLET/OUTLET.  
 All connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Design temperature 40°C.

### ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us)  
 Cylindrical height ad-hoc.  
 Additional sight glass. [See page 38](#)  
 Additional flanges. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)  
 Folding lids can be also included.



	DEC-1260	DEC-1640	DEC-2040	DEC-2340	DEC-2550
Ref.	522412	522416	522420	522423	522425
Ø	1260	1640	2040	2340	2550
P	1100	1280	1650	1900	2200
L	1200	1650	1650	1650	1650
H	2300	2930	3300	3550	3850
Price	5 628 €	7 168 €	10 689 €	12 237 €	14 124 €
Δ 800 mm	921 €	1 047 €	1 617 €	2 457 €	4 263 €

# DEGASSIFYING EQUIPMENT

## DEGASSIFIERS Ø415 - 2550

PRICE LIST 2020

### DEGASSIFIERS

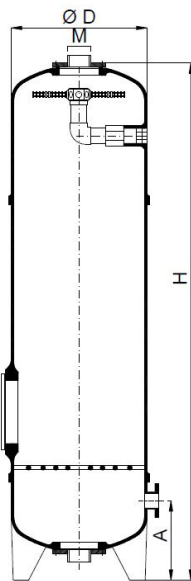
Atmospheric vessel.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 Flanged connections for INLET/OUTLET or PVC lid in the bottom.  
 All connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Side manhole.  
 Design temperature 40°C.  
 Drilled plate or PVC grid (According to diameter)

### ADDITIONAL OPTIONS

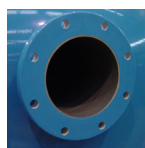
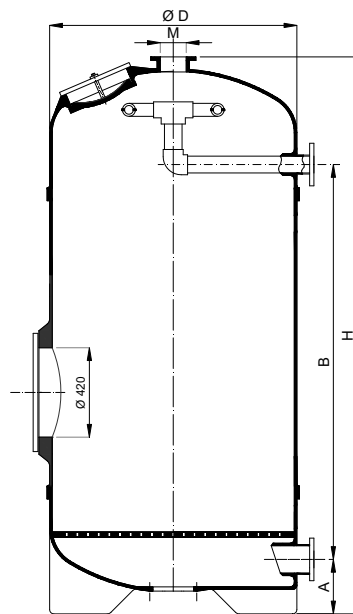
Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Cylindrical height ad-hoc. (Ask us more than 2000 mm)  
 Additional sight glass. [See page 38](#)  
 Additional flanges. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)  
 Additional tank available. [See page 29](#) ----->



G-415 - G-960



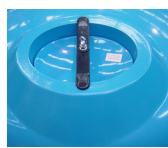
G-1010 - G-2550



Flanged connections



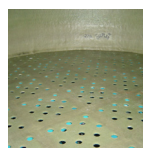
Plastized Manhole lid



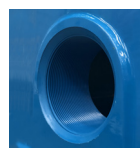
GRP Elliptical manhole lid



Support for rings G415-G960



Support for rings G1010-G2550



Threaded connections



Optional sightglass



Customizable height

ID	G-415	G-460	G-520	G-640	G-720	G-840	G-960
Ref.	522041	522046	522052	522064	522072	522084	522096
Ø	415	460	520	640	720	840	960
H	2355	2370	2385	2435	2460	2580	2700
Price	3 220 €	3 664 €	3 944 €	4 452 €	4 938 €	5 497 €	6 490 €

ID	G-1010	G-1160	G-1260	G-1440	G-1640	G-1840	G-2040	G-2210	G-2340	G-2550
Ref.	522010	522011	522012	522014	522016	522018	522020	522022	522023	522025
Ø	1010	1160	1260	1440	1640	1840	2040	2210	2340	2550
H	2800	2900	2950	3070	3270	3270	3470	3500	3570	3740
Price	7 835 €	9 317 €	10 756 €	13 662 €	16 590 €	20 201 €	26 677 €	29 488 €	31 640 €	36 995 €

# STORAGE/MIXING TANKS

## TANKS & MIXING TANKS Ø520 - 2550

PRICE LIST 2020

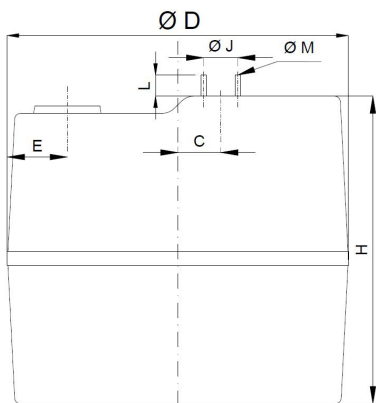
### ATMOSPHERIC TANKS

Atmospheric vessel.  
Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
Steel reinforced GRP vessel.  
All connections are part of the structure of the filter in GRP.  
Design temperature 40°C.  
Flat bottom / Closed legs.

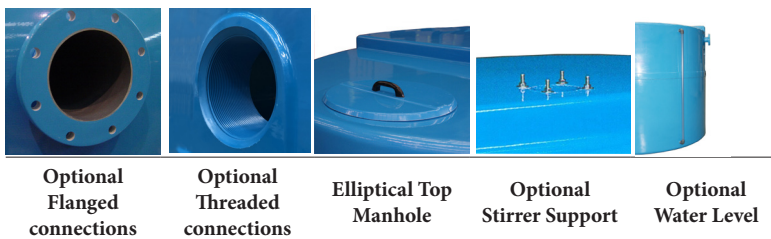
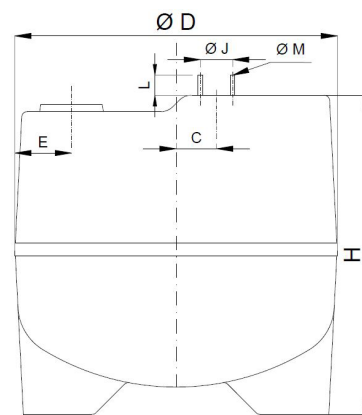
### ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
High-chemical resistance. (Ask us) [See below](#)  
Additional sight glass. [See page 38](#)  
Additional flanges. [See page 38](#)  
Anchorage system to ground. [See page 38](#)  
Seismic calculations. (Ask us)

#### R TANKS



#### RP TANKS



Optional Flanged connections

Optional Threaded connections

Elliptical Top Manhole

Optional Stirrer Support

Optional Water Level

Ø	520	640	720	840	1010	1260	1440	1640	2040	2040	2040	2340	2550
ID	R - 02	R - 03	R - 04	R - 06	R - 10	R - 13	R - 17	R - 25	R - 35	R - 45	R - 50	R - 75	R - 100
Ref.	522152	522164	522172	522184	522110	522112	522114	522116	522120	522120	522120	522123	522125
H	1050	1050	1050	1330	1330	1330	1330	1330	1330	1605	1880	1880	2110
Volume	200	300	400	660	975	1500	2000	2575	4000	4880	5750	7600	10000
Price	635 €	1 008 €	1 336 €	1 835 €	2 200 €	2 656 €	3 268 €	3 771 €	4 759 €	5 121 €	5 586 €	6 435 €	8 295 €
ID	RP - 02	RP - 03	RP - 04	RP - 06	RP - 10	RP - 13	RP - 17	RP - 25	RP - 35		RP - 50	RP - 75	RP - 100
Ref.	522252	522264	522272	522284	522210	522212	522214	522216	522220		522220	522223	522225
H	1015	1035	1065	1075	1360	1460	1500	1610	1710		1970	2035	2110
Volume	140	240	340	520	840	1350	1870	2550	4000		5000	7000	9000
Price	720 €	1 104 €	1 474 €	2 019 €	2 463 €	2 987 €	3 633 €	4 189 €	5 651 €		6 115 €	7 030 €	9 005 €

### INCREMENTS FOR TANKS

Deflector.....	+ 180 €
Mixing funnel.....	+ 133 €
Stirrer support / Tank in the top .....	+ 265 €
Water level indicator .....	+ 210 €
High Chemical resistance.....	50 € + 8%

# STORAGE/MIXING TANKS

## TANKS & MIXING TANKS Ø1260 - 2550

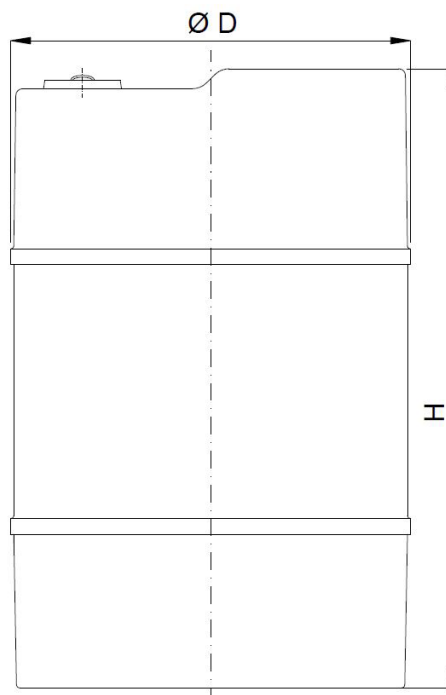
PRICE LIST 2020

### ATMOSPHERIC TANKS

Atmospheric vessel.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 All connections are part of the structure of the filter in GRP.  
 Design temperature 40°C.  
 Flat bottom / Closed legs.

### ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 High-chemical resistance. (Ask us) [See page 38](#)  
 Cylindrical height ad-hoc. (Ask us more than 2000 mm)  
 Additional sight glass. [See page 38](#)  
 Additional flanges. [See page 38](#)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)



Optional Flanged connections      Optional Threaded connections      Elliptical Top Manhole      Optional Stirrer Support      Optional Water Level

ID	Ø 1260	Ø 1440	Ø 1640	Ø 2040	Ø 2340	Ø 2550	Ø 2800	Ø 3000
Ref.	522312	522314	522316	522320	522323			
H=1830	2.1 m <sup>3</sup>	2.75 m <sup>3</sup>	3.6 m <sup>3</sup>	5.7 m <sup>3</sup>	7.5 m <sup>3</sup>			
Price	2 585 €	3 258 €	3 771 €	5 185 €	5 741 €			
H=2930	3.4 m <sup>3</sup>	4.4 m <sup>3</sup>	5.7 m <sup>3</sup>	8.9 m <sup>3</sup>	11.8 m <sup>3</sup>			
Price	3 433 €	4 264 €	4 887 €	6 516 €	7 995 €			
H=4280	5 m <sup>3</sup>	6.5 m <sup>3</sup>	8.4 m <sup>3</sup>	13.2 m <sup>3</sup>	17.4 m <sup>3</sup>			
Price	4 194 €	5 424 €	6 246 €	8 233 €	9 493 €			
H=5080	6 m <sup>3</sup>	7.8 m <sup>3</sup>	10 m <sup>3</sup>	15.7 m <sup>3</sup>	20.7 m <sup>3</sup>			
Price	4 779 €	6 143 €	7 081 €	9 327 €	10 501 €			

*Ask for prices*

### INCREMENTS FOR TANKS

Deflector.....	+ 180 €
Mixing funnel.....	+ 133 €
Stirrer support .....	+ 265 €
Water level indicator .....	+ 210 €
High Chemical resistance.....	50 € + 8%

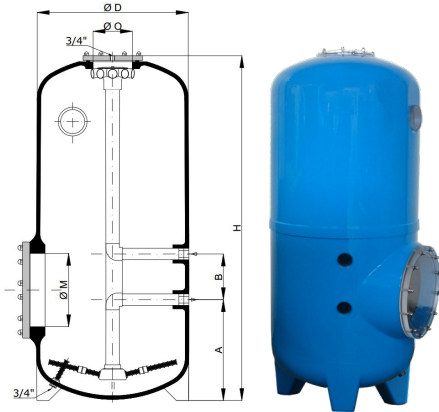
AFM FILTER & PILOT PLANT SKID

AFM FILTER SERIES

Manufactured and calculated according to EN 13121-3.  
 Design pressure 2,5 Kg/cm<sup>2</sup> | Test pressure 3,75 Kg/cm<sup>2</sup>.  
 Material: Hand lay-up polyester with fiberglass (max quality polyester tech).  
 Steel reinforced GRP vessel.  
 All threaded connections are part of the structure of the filter in GRP.  
 Closed legs & part of the filter structure.  
 Top access.  
 Design temperature 40°C.  
 Laterals distribution.

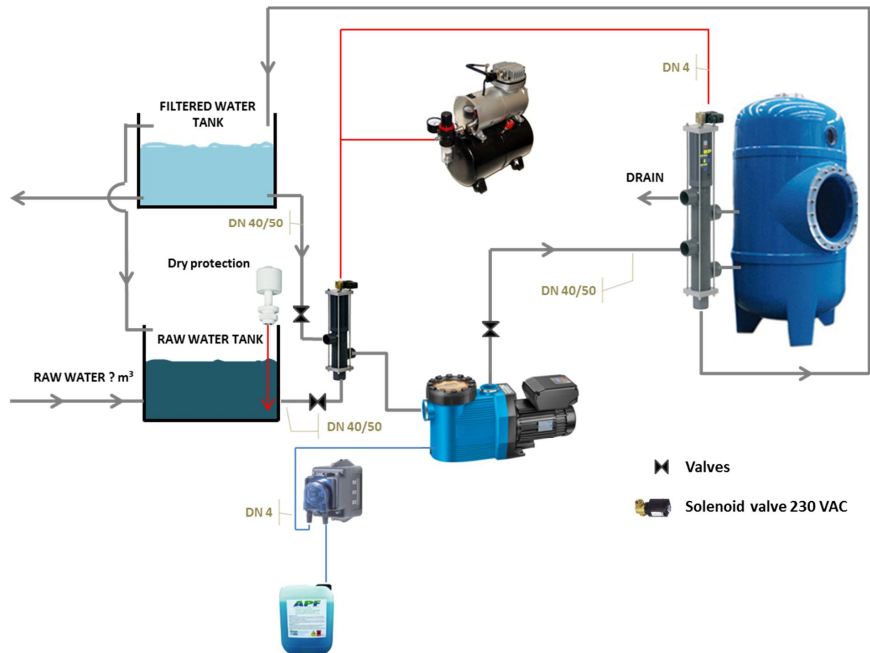
ADDITIONAL OPTIONS

Higher temperatures. (Ask us)  
 Anchorage system to ground. [See page 38](#)  
 Seismic calculations. (Ask us)  
 Drinking water / Food contact. (Ask us)  
 BESGO READY FILTERS [See page 34](#)  
 Pos 6 X=6 (Standard)  
 Pos 2 X=2



Ref	ID	Ø D	H	I/O	Price
112152.X	AFM-520	520	1400	2"	1 641 €
112164.X	AFM-640	640	1440	2"	1 906 €
112172.X	AFM-720	720	1440	2"	2 186 €
112184.X	AFM-840	840	1460	2"	2 398 €
112196.X	AFM-960	960	1520	2 ½"	3 077 €

CALPLAS / DRYDEN AQUA FILTRATION UNITS



ID	Description	Filtration Velocity / Flowrate	Price
64564	Calplas Filter AFM®-640 mm, 0.3m <sup>2</sup> Speck Badu 90 ECO VS 1.10 kW 230 V Besgo DN50/d63 & air compressor Filtration control panel - ASC2, APF® dosing pump. Dimensions l x w x h: 1500 x 780 x 1800 mm	15m/h : 4.5m <sup>3</sup> /h 10m/h : 3m <sup>3</sup> /h 5m/h : 1.5m <sup>3</sup> /h	8 800 €
64572	Calplas Filter AFM®-720 mm, 0.4m <sup>2</sup> Speck Badu 90 ECO VS 1.10 kW 230 V Besgo DN50/d63 & air compressor Filtration control panel - ASC2, APF® dosing pump. Dimensions l x w x h: 1500 x 780 x 1800 mm	15m/h : 6m <sup>3</sup> /h 10m/h : 4m <sup>3</sup> /h 5m/h : 2m <sup>3</sup> /h	9 500 €

### What is AFM?

AFM® is quite simply the most efficient granular filtration medium available on the market. It is highly engineered to give optimum mechanical filtration performance in a range of industrial and municipal water filtration applications. Activated to increase the surface area up to 300 times that of crushed glass or sand and chemically and thermally treated to ensure permanent negatively charged surface properties that make AFM® self-sterilising.

AFM® replaces sand in all filtration applications and can be used in a conventional sand filter without modification.

### Why AFM?

Will not support bacterial growth

At up to 20m/h will consistently filter, without flocculation:

-- >95% of 4µ particles (Grade 1).

-- >95% of 1µ particles (Grade 0).

Will selectively filter positively charged ionic particles such as heavy metals.

Will not suffer from channelling or preferential pathways.

Will consistently evacuate more than 95% of retained particles with 50% or less water than required for sand. (backwash duration 5 mins max at 45m/h).

Service lifespan of 10 - 15 years or more.

### AFM Certifications:

- ISO 9001, 14001 & 18001.
- NSF 50 & 61 for potable water use.
- DWI EC Regulation 31 certification for potable water use.
- European Water Directive (98/83/EC) & 80/778/EEC compliant.
- BSEN12902 and BSEN12904 compliant.
- Independently tested by accredited laboratory, IFTS



GREY WATER PLANT



AQUACULTURE



SWIMMING POOLS



TEXTILE INDUSTRY



IRON / ARSENIC REMOVAL



PRETREATMENT PRIOR TO MEMBRANES



### HOW TO USE AFM?

AFM® is a direct replacement for sand in any type of sand filter.

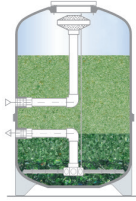
AFM® has a 15 % lower density than sand: e.g. if your filter takes 1,000 kg of sand it will only require:  $1,000 \times 0.85 = 850$  kg of AFM®.

### AFM SIZES

AFM® is produced in 4 grades

Grades 0 and 1 provide fine filtration

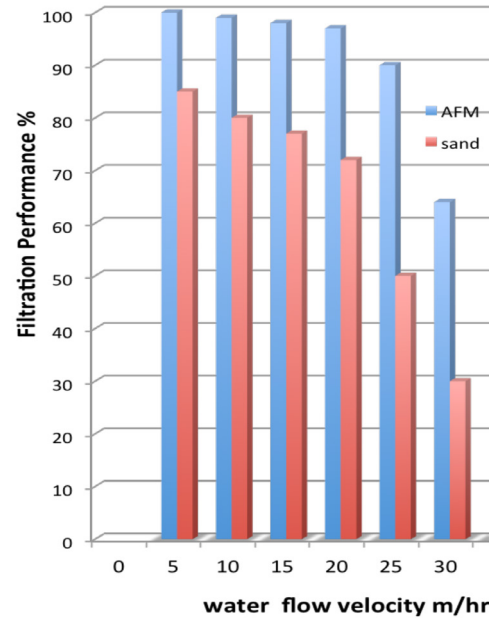
Grades 2 and 3 provide support and ensure good flow distribution through the filter.



### RECOMMENDED OPERATIONAL PARAMETERS

PARAMETER	Value
Filtration velocity	1 - 30 m <sup>3</sup> /h/m <sup>2</sup>
Back Wash Velocity	< 45 m <sup>3</sup> /h/m <sup>2</sup>
Max. operating differential pressure	< 0.5 bar
Back Wash Duration	for 3 - 10 mins
Water pH limits	4 - 10
Water temperature limits	1 - 100°C

NEW SAND VS AFM  
Removal of 5 micron particles



Ref	ID	Package quantity	Price
6400	AFM® Grade 0 (0.25-0.5 mm)	(25 Kg/bag)	41 €
6401	AFM® Grade 1 (0.4-0.8 mm)	(25 Kg/bag)	41 €
6402	AFM® Grade 2 (0.7-2.0 mm)	(25 Kg/bag)	41 €
6403	AFM® Grade 3 (2.0-4.0 mm)	(25 Kg/bag)	41 €
6421	AFM® Grade 1 (0.4-0.8 mm)	(21 Kg/bag)	36 €
6422	AFM® Grade 2 (0.7-2.0 mm)	(21 Kg/bag)	36 €
6423	AFM® Grade 3 (2.0-4.0 mm)	(21 Kg/bag)	36 €
6410	AFM® Grade 0 (0.25-0.5 mm)	1 Tn/bag	1 600 €
6411	AFM® Grade 1 (0.4-0.8 mm)	1 Tn/bag	1 600 €
6412	AFM® Grade 2 (0.7-2.0 mm)	1 Tn/bag	1 600 €
6413	AFM® Grade 3 (2.0-4.0 mm)	1 Tn/bag	1 600 €

### ANTHRACITE & ACTIVATED CARBON



Ref	ID	Package quantity	Price
6100	Anthracite N-( 0.8 - 1.6 mm) 720 Kg/m <sup>3</sup>	(50 l/bag)	65 €
6101	Anthracite N-( 1.4 - 2.5 mm) 720 Kg/m <sup>3</sup>	(50 l/bag)	65 €



Ref	ID	Package quantity	Price
6200	Activated Carbon from Coconut Shells (1.18-2.36 mm) 500 Kg/m <sup>3</sup>	(50 l/bag)	170 €

5 WAY / 3 WAY VALVES & ACCESORIES

BESGO AUTOMATIC VALVES



Outstanding reliability  
Low pressure loss  
Adjustable connection unions  
Change over switching off  
Fits on every filter

5 WAY VALVES



Ref	ID	Price
60040	Besgo DN40 / 1½" Distance 190 mm	645 €
60050	Besgo DN50 / 2" Distance 190 mm	720 €
60065	Besgo DN65 / 2½" Distance 250 mm	990 €
60080	Besgo DN80 / 3" Distance 300 mm	1 590 €
60100	Besgo DN100 / 4" Distance 400 mm	2 290 €
60125	Besgo DN125 / 5" Distance 450 mm	3 990 €

3 WAY VALVES



Ref	ID	Price
60045	Besgo DN40 / 1½"	555 €
60055	Besgo DN50 / 2"	630 €
60068	Besgo DN65 / 2½"	800 €
60081	Besgo DN80 / 3"	1 280 €
60101	Besgo DN100 / 4"	1 850 €
60126	Besgo DN125 / 5"	3 450 €

ADAPTOR SET FOR BESGO

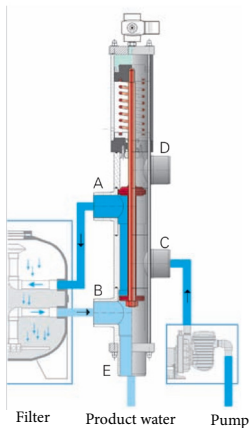


Ref	ID	Price
60042	Besgo adaptor set 50x2" (2 Sockets)	19.50 €
60052	Besgo adaptor set 63x2" (2 Sockets)	21.50 €
60067	Besgo adaptor set 75x2½" (2 Sockets)	57 €

HOW DOES IT WORK?

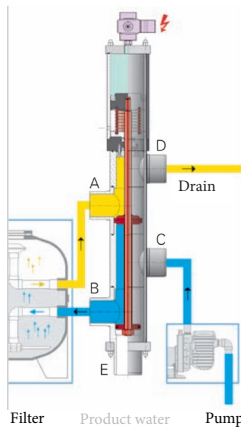
FILTRATION

Solenoid valve closed



BACKWASH

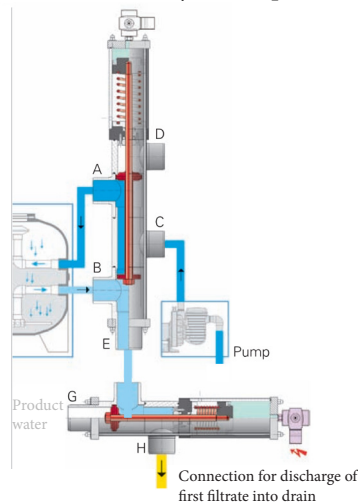
Solenoid valve open



RINSING

Solenoid of 5 way valve closed

Solenoid of 3-way valve open



AIR COMPRESSOR



Ref	ID	Price
60901	Compressor Einhell, 1,1 kW, 230V, vessel size 24 lt, pressure max 8 bar, 22Kg, 92 dB, with pressure reducer, 2 manometers and water drain valve	210 €

CONNECTING KIT FOR COMPRESSOR



Ref	ID	Price
60812	Connecting Kit 1 for compressor ¼"IG: for 1 besgo valve including: 1 valve, 2 fittings, 10 m PE tube 6/4 mm	25 €
60813	Connecting Kit 2 for compressor ¼"IG: for 2 besgo valves including: 1 valve, 3 fittings, 1 T-fitting, 10 m PE tube	38 €
60814	Connecting Kit 3 for compressor ¼"IG: for 3 besgo valves including: 1 valve, 4 fittings, 2 T-fittings, 10 m PE tube	48 €
60815	Roll 6 m PE tube 6/4 mm	4.50 €
60900	Installation unit 3/8" besgo - water pressure control composed of: manometer 0 - 10 bar, non-return valve, fine filter, stop-tap	120 €



# OTHER EQUIPMENT

## FLOWMETER & AIR DIFFUSERS

PRICE LIST 2020

### FLOWMETERS



The Flow Meter FlowVis® from H2Flow can be installed in every direction and includes a non return Valve (DN 40 to DN 65). The average accuracy is 97.9%. The product is NSF 50 certified and a product of high quality. Scale in LPM.

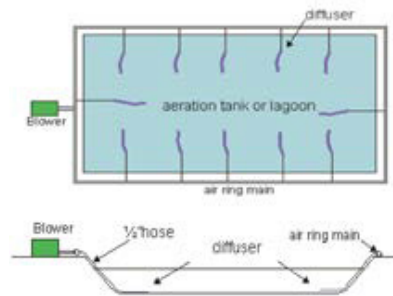
Ref	ID	Flow	Max pressure drop	Price
63602	FlowVis® d 25/32 mm	1.2 - 5.4 m³/h	0.13 bar	87 €
63604	FlowVis® d 50 mm	2.4-21 m³/h	0.14 bar	175 €
63605	FlowVis® d63 mm	2.4-24 m³/h	0.12 bar	175 €
63606	FlowVis® d75 mm	7 - 45 m³/h	0.02 bar	175 €
63608	FlowVis® d90 mm	20-50 m³/h	0.01 bar	495 €
63610	FlowVis® d110 mm	34-64 m³/h	0.01 bar	530 €
63615	FlowVis® d160 mm	70 - 250 m³/h	0.01 bar	995 €
63617	FlowVis® d200 mm	90 - 400 m³/h	0.01 bar	1 095 €

### AIR DIFFUSERS



Dryden Aqua Air Diffusers are the best semi flexible fine bubble aeration system available in the market. They are 5 times more efficient than coarse bubble air diffusers in mixing action and aeration capacity, with an average bubble size of 1 mm. They usually connect to a circular ring main pipe with quick connections. The ring main pipe connects to a low pressure (around 1 bar) roots type or rotary vane air blower.

- Tubular diffuser up to 3m in length
- Air flow from 1 to 10 m³/h
- Oxygen transfer up to 5kg/kwh
- Less than 0.2 Bar (3psi) pressure differential
- Outer polyester jacket
- Internal glass bead ballast (self weighted)
- Plastic & stainless steel construction
- Simple installation
- Very easy maintenance



Ref	ID	Diffuser Weight kg	Air Flow m³/h (+/- 20%)	Oxygen Transfer kg of O <sub>2</sub> /day per diffuser at different depths at 20 °C and 50 % O <sub>2</sub> saturation			Price
				2 m	3 m	4 m	
64301	0.33 m Diffuser	0.5	1	2 kg O <sub>2</sub>	2.5 kg O <sub>2</sub>	3 kg O <sub>2</sub>	120 €
64302	0.66 m Diffuser	1.0	2	4 kg O <sub>2</sub>	5.0 kg O <sub>2</sub>	6 kg O <sub>2</sub>	135 €
64303	1.00 m Diffuser	1.5	3	6 kg O <sub>2</sub>	7.5 kg O <sub>2</sub>	9 kg O <sub>2</sub>	150 €
64304	1.33 m Diffuser	2.0	4	8 kg O <sub>2</sub>	10 kg O <sub>2</sub>	12 kg O <sub>2</sub>	170 €
64305	1.66 m Diffuser	2.5	5	10 kg O <sub>2</sub>	12 kg O <sub>2</sub>	15 kg O <sub>2</sub>	185 €
64306	2.00 m Diffuser	3.0	6	12 kg O <sub>2</sub>	15 kg O <sub>2</sub>	18 kg O <sub>2</sub>	200 €
64307	2.33 m Diffuser	3.5	7	14 kg O <sub>2</sub>	17 kg O <sub>2</sub>	21 kg O <sub>2</sub>	215 €
64308	2.66 m Diffuser	4.0	8	16 kg O <sub>2</sub>	20 kg O <sub>2</sub>	24 kg O <sub>2</sub>	230 €
64309	3.00 m Diffuser	4.5	9	20 kg O <sub>2</sub>	22 kg O <sub>2</sub>	27 kg O <sub>2</sub>	240 €

In water depths of >3 - 5m there may be a tendency for the diffusers to lift. Stainless steel ballast blocks are available that fit onto the hose end of the diffusers. These have a single air connection on the top and either one or four diffuser outlets, one on each side.

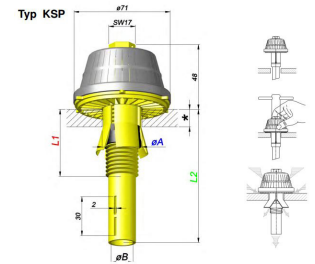
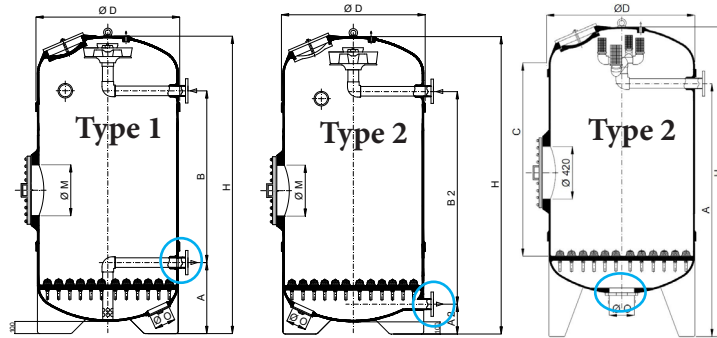
64402	Dryden Aqua Weight for Air Diffuser 75mm x 75mm; 2 Connections 1/2"	180 €
64405	Dryden Aqua Weight for Air Diffuser 75mm x 75mm; 5 Connections 1/2"	220 €



Weight for air diffuser



### NOZZLES PER PLATE

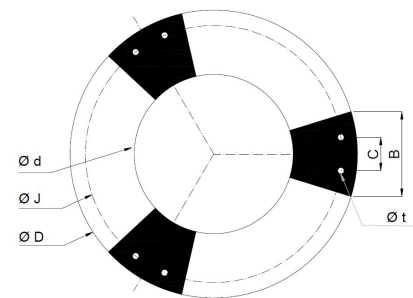


Ø D	415	460	520	640	720	840	960	1010	1160	1260	1440	1640	1840	2040	2210	2340	2550	2800	3000
Type 1	12	12	15	20	24	35	43	48	64	84	96	132	172	212	235	284	336	419	484
Type 2	12	12	16	21	25	36	44	53	69	89	101	137	177	217	240	289	341	428	489

### CALPLAS INTERNAL DIAMETER/ SURFACE ACCORDING TO PRESSURE

### CALPLAS LEG INFORMATION / FIXING HOLES DATA

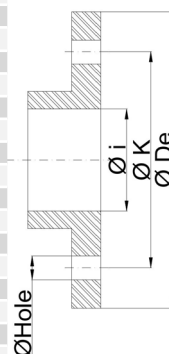
Diameter	2.5 kg/cm <sup>2</sup>		4 kg/cm <sup>2</sup>		5 kg/cm <sup>2</sup>		6 kg/cm <sup>2</sup>		7 kg/cm <sup>2</sup>	
	Ø Int. (mm)	Surface (m <sup>2</sup> )	Ø Int. (mm)	Surface (m <sup>2</sup> )	Ø Int. (mm)	Surface (m <sup>2</sup> )	Ø Int. (mm)	Surface (m <sup>2</sup> )	Ø Int. (mm)	Surface (m <sup>2</sup> )
415	404	0,13	*	*	402	0,13	*	*	398	0,12
460	449	0,16	*	*	445	0,16	*	*	441	0,15
520	508	0,20	*	*	504	0,20	*	*	500	0,20
640	627	0,31	*	*	622	0,30	*	*	616	0,30
720	708	0,39	*	*	702	0,39	*	*	695	0,38
840	816	0,52	*	*	810	0,52	*	*	804	0,51
960	946	0,70	*	*	938	0,69	*	*	932	0,68
1010	994	0,78	990	0,77	986	0,76	984	0,76	*	*
1160	1135	1,01	1130	1,00	1126	1,00	1122	0,99	*	*
1260	1241	1,21	1238	1,20	1234	1,20	1230	1,19	*	*
1440	1405	1,55	1396	1,53	1390	1,52	1385	1,51	*	*
1640	1610	2,04	1600	2,01	1596	2,00	1590	1,99	*	*
1840	1790	2,52	1783	2,50	1777	2,48	1770	2,46	*	*
2040	2010	3,17	2000	3,14	1988	3,10	1978	3,07	*	*
2210	2190	3,77	2177	3,72	2165	3,68	2155	3,65	*	*
2340	2275	4,06	2262	4,02	2250	3,98	2240	3,94	*	*
2550	2500	4,91	2485	4,85	2475	4,81	2465	4,77	*	*
2800	2758	5,97	2734	5,87	2728	5,84	2720	5,81	*	*
3000	2964	6,90	2937	6,77	2928	6,73	2918	6,69	*	*



Ø	D	d	J	B	C	t
415	400	310	355	90	0	12
460	440	340	390	95	0	12
520	503	493	450	105	0	12
640	612	482	550	120	0	12
720	670	510	600	130	0	14
840	795	615	705	140	0	14
960	925	725	825	160	0	14
1010	970	470	830	250	0	16
1160	1120	620	1000	270	130	16
1260	1215	670	1125	290	150	16
1440	1380	780	1250	325	170	16
1640	1560	810	1400	370	190	16
1840	1760	1060	1610	370	200	20
2040	1980	1230	1800	410	200	20
2210	2160	1450	1960	430	220	20
2340	2240	1440	2000	450	220	20
2550	2435	1550	2200	550	250	20
2800	2700	1700	2400	570	250	20
3000	CHECK WITH US					















### FLANGES INFORMATION DIN PN10

Connection	Inch	i	D <sub>e</sub>	K	N° Holes	ØHole
DN15	1/2"	20	95	65	4	14
DN20	3/4"	25	105	75	4	14
DN25	1"	32	115	85	4	14
DN32	1 1/4"	40	140	110	4	18
DN40	1 1/2"	50	150	110	4	18
DN50	2"	63	165	125	4	18
DN65	2 1/2"	75	185	145	4	18
DN80	3"	90	200	160	8	18
DN100	4"	110	220	180	8	18
DN110	--	125	230	190	8	18
DN125	5"	*125/140	250	210	8	18
DN150	6"	160	285	240	8	22
DN175	--	200	315	270	8	22
DN200	8"	225	340	295	8	22
DN250	10"	*250/280	395	350	12	22
DN300	12	315	445	400	12	22
DN350	14	355	505	460	16	22
DN400	16	400	565	515	16	26
DN500	20	560	670	620	20	26



\* With this sizes, please always inform about pipe dimension.  
ANSI and JIS also available

**CALPLAS FILTERS INFORMATION**

Diameter	Standard Connection	Besgo automatic valve compatibility	Manhole size (mm)	Sightglass size	Filtering surface 2.5 Kg/cm <sup>2</sup> (m <sup>2</sup> )	Volume to cover laterals (liters)	Volume to cover nozzle plate (liters)	Volume for Δ 100 mm (liters)
415	2"	 Besgo AG	305	2 1/2"	0,13	8	7 (50 mm)	13
460	2"	 Besgo AG	305	2 1/2"	0,16	11	8 (50 mm)	16
520	2"	 Besgo AG	305	2 1/2"	0,20	14	11 (50 mm)	21
640	2"	 Besgo AG	355	3"	0,31	27	16 (50 mm)	31
720	2"	 Besgo AG	355	3"	0,39	43	20 (50 mm)	40
840	2"	 Besgo AG	355	3"	0,52	73	27 (50 mm)	53
960	2 1/2"	 Besgo AG	420	4"	0,70	105	36 (50 mm)	71
1010	DN80	 Besgo AG	420 / 500	4"	0,78	105	78 (100 mm)	78
1160	DN80/DN100	 Besgo AG	420 / 500	4"	1,01	127	102 (100 mm)	102
1260	DN100	 Besgo AG	420 / 500	4"	1,21	163	121 (100 mm)	121
1440	DN100	 Besgo AG	420 / 500	4"	1,55	249	155 (100 mm)	155
1640	DN125	 Besgo AG	420 / 500	5"	2,04	371	204 (100 mm)	204
1840	DN125	 Besgo AG	420 / 500	5"	2,52	515	252 (100 mm)	252
2040	DN150	 Besgo AG	420 / 500	6"	3,17	699	318 (100 mm)	318
2210	DN150		420 / 500	6"	3,77	971	377 (100 mm)	377
2340	DN200		420 / 500	6"	4,06	1.039	407 (100 mm)	407
2550	DN250		420 / 500	6"	4,91	1.325	491 (100 mm)	491
2800	DN250		420 / 500	6"	5,97	2.070	598 (100 mm)	598
3000	DN250		420 / 500	6"	6,90	2.212	690 (100 mm)	690

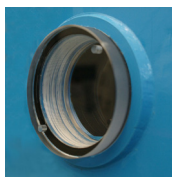
**FLOW (m<sup>3</sup>/h) AT DIFFERENT VELOCITIES (Calculated 2.5 bar design pressure internal diameter)**

Diameter	Flow at 5 m/h	Flow at 10 m/h	Flow at 15 m/h	Flow at 20 m/h	Flow at 25 m/h	Flow at 30 m/h	Flow at 35 m/h	Flow at 40 m/h	Flow at 45 m/h	Flow at 50 m/h	Flow at 55 m/h	Flow at 60 m/h
415	0,65	1,3	1,95	2,6	3,25	3,9	4,55	5,2	5,85	6,5	7,15	7,8
460	0,8	1,6	2,4	3,2	4	4,8	5,6	6,4	7,2	8	8,8	9,6
520	1	2	3	4	5	6	7	8	9	10	11	12
640	1,55	3,1	4,65	6,2	7,75	9,3	10,85	12,4	13,95	15,5	17,05	18,6
720	1,95	3,9	5,85	7,8	9,75	11,7	13,65	15,6	17,55	19,5	21,45	23,4
840	2,6	5,2	7,8	10,4	13	15,6	18,2	20,8	23,4	26	28,6	31,2
960	3,5	7	10,5	14	17,5	21	24,5	28	31,5	35	38,5	42
1010	3,9	7,8	11,7	15,6	19,5	23,4	27,3	31,2	35,1	39	42,9	46,8
1160	5,05	10,1	15,15	20,2	25,25	30,3	35,35	40,4	45,45	50,5	55,55	60,6
1260	6,05	12,1	18,15	24,2	30,25	36,3	42,35	48,4	54,45	60,5	66,55	72,6
1440	7,75	15,5	23,25	31	38,75	46,5	54,25	62	69,75	77,5	85,25	93
1640	10,2	20,4	30,6	40,8	51	61,2	71,4	81,6	91,8	102	112,2	122,4
1840	12,6	25,2	37,8	50,4	63	75,6	88,2	100,8	113,4	126	138,6	151,2
2040	15,85	31,7	47,55	63,4	79,25	95,1	110,95	126,8	142,65	158,5	174,35	190,2
2210	18,85	37,7	56,55	75,4	94,25	113,1	131,95	150,8	169,65	188,5	207,35	226,2
2340	20,3	40,6	60,9	81,2	101,5	121,8	142,1	162,4	182,7	203	223,3	243,6
2550	24,55	49,1	73,65	98,2	122,75	147,3	171,85	196,4	220,95	245,5	270,05	294,6
2800	29,85	59,7	89,55	119,4	149,25	179,1	208,95	238,8	268,65	298,5	328,35	358,2
3000	34,5	69	103,5	138	172,5	207	241,5	276	310,5	345	379,5	414

# ADDITIONAL ELEMENTS

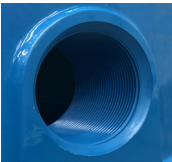
## SIGHTGLASSES THREADS FLANGES & OTHER

### SIGHT GLASS



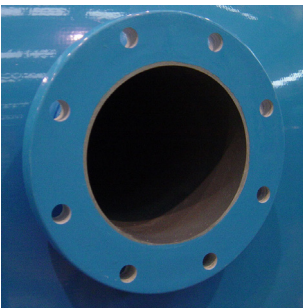
Circular sight glass 2 1/2"	From Ø415 to Ø520	212 €
Circular sight glass 3"	From Ø640 to Ø840	265 €
Circular sight glass 4"	From Ø960 to Ø1440	307 €
Circular sight glass 5"	From Ø1640 to Ø1840	375 €
Circular sight glass 6"	From Ø2040 to Ø3000	449 €

### THREADS



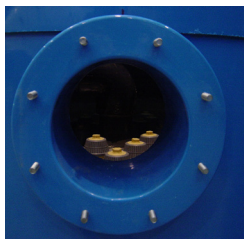
Threaded I/O - from 1/2" up to 1"		51 €
Threaded I/O - from 1 1/4" to 2"		74 €
Threaded I/O - from 2 1/2" to 4"		91 €

### FLANGES



Polyester flange - from DN 15 up to DN 25	112 €
Polyester flange - from DN 32 up to DN 65	206 €
Polyester flange - from DN 80 up to DN 100	258 €
Polyester flange - from DN 125	295 €
Polyester flange - from DN 150	378 €
Polyester flange - from DN 200	468 €
Polyester flange - from DN 250	515 €
Polyester flange - from DN 300	557 €
Polyester flange - from DN 350	644 €
Polyester flange - from DN 400	733 €
Polyester flange - from DN 450	818 €
Polyester flange - from DN 500	906 €

### HANDHOLE



Handhole Ø 160 / Ø 200 mm

498 €

### MANHOLE



Upgrade from access manhole Ø 420 mm to Ø 500 mm

535 €

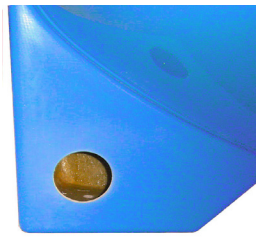
### PIPE SUPPORT



Pipe support (per unit)

167 €

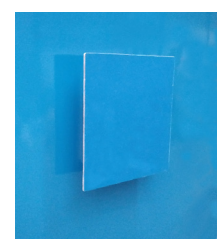
### FIXING HOLES



Holes for 3 legs + Access

180 €

### NAME PLATE SUPPORT



Name plate support

158 €

### CHEMICAL RESISTANCE INCREASES

Ozone max 1 ppm .....	50 € + 5 %
Standard Lining Food Contact / Drinking water.....	50 € + 5 %
Anionic Column Regeneration (NaOH[5%]) More check with us.....	50 € + 5 %
Cationic Column Regeneration (HCl or H <sub>2</sub> SO <sub>4</sub> )[5%]) More check with us .....	50 € + 2 %
Cationic Column Regeneration (NaCl) .....	+ 0 %

ACS Certificate..... CHECK WITH US

## PACKAGING INFORMATION IN CALPLAS EQUIPMENT

### PUMP STRAINERS & MEDIATRAPS

Calplas Pump strainers & mediatraps are sent in carton box which is included in the price.

### VESSELS WITH THREADED CONNECTIONS

Calplas vessels with threaded connections are sent in carton box which is included in the price.

### VESSELS WITH FLANGED CONNECTIONS

Calplas vessels with flanged connections require a wooden box crate if it is sharing transport with other loads. Please see prices below.



### FB

Model	Net Price
FB-40 to FB-80	120 €
FB-100 to FB-175	195 €
FB-200	210 €
FB-250	245 €
FB-300	290 €
FB-350	325 €

### COLUMNS WITH FLANGES

Model	Net Price
Ø415 to Ø640 mm	75 €
Ø720 to Ø960 mm	115 €
Ø1010 to Ø1440 mm	195 €
Ø1640 to Ø2210 mm	305 €
Ø2340 mm	355 €
Ø2550 mm	424 €
Ø2800 mm	485 €
Ø3000 mm	565 €

### FULL TRUCK (DIRECT SHIPMENT TO INSTALLATION)

For some installations a direct shipment can be done, with a full truck load, under this circumstances wooden box crates can be avoided under customers responsibility not to damage the filters on the unloading process.





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