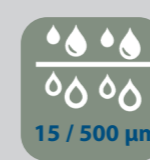
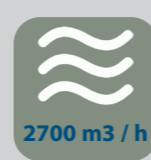


160 DrumFilter

Serie



Drum filter 160 serie



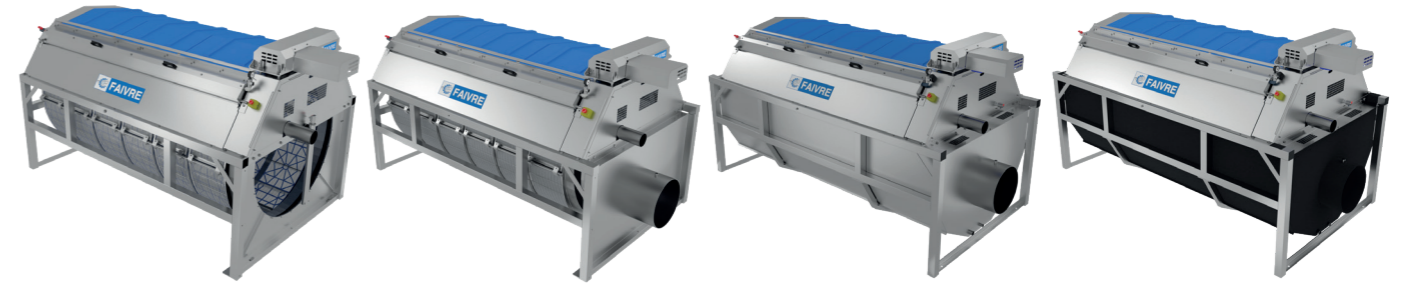
4 Models

Frame

Input by pipe

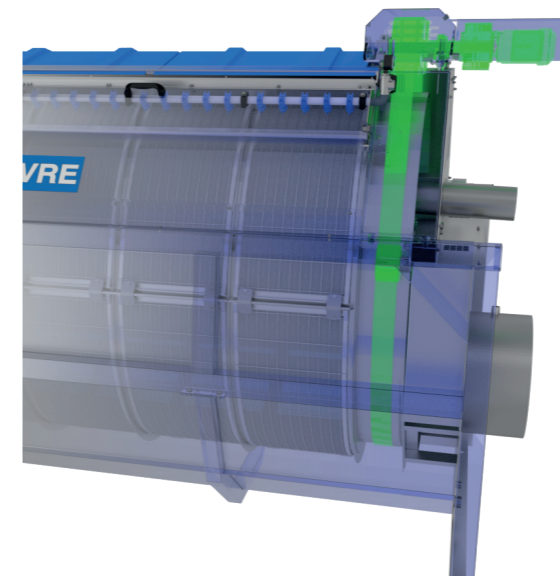
Stainless style tank

HDPE tank



Drum filter 160

Flow rate up to 750 l / s (2700 m³ / h) at 100 µ.
 With a 160cm diameter drum, the Rotoclean 160 can handle large quantities of water. It is available in 7 sizes (8, 12, 16, 20, 24, 28 and 32 plates).
 The Rotoclean 160 finds its place in closed circuits in freshwater as well as in seawater as well as at the site exit. Built entirely in stainless steel and technical plastic, it is not very sensitive to corrosion.
 Its 160 cm diameter drum rotates at 3 revolutions / min.



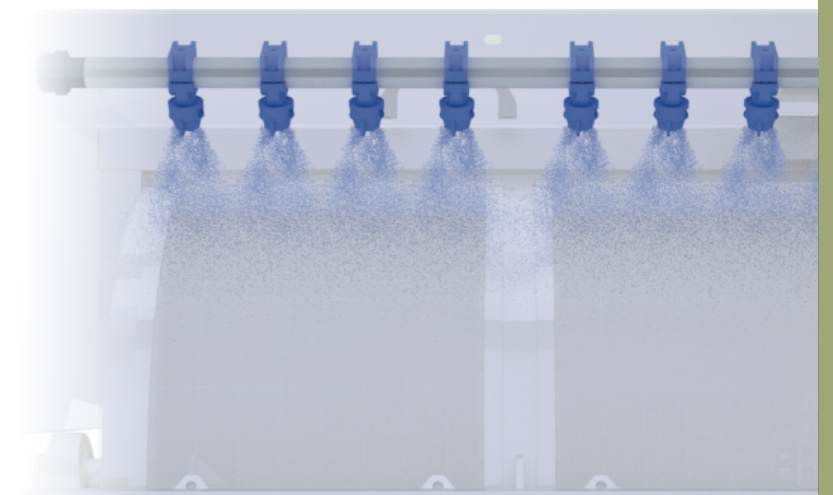
BDS simple, reliable and robust system.

Rotoclean 160 drum filters benefit from the BDS system (Belt Drive & Support system). The motor, ideally placed on top of the drum filter, drives and supports the drum with one or more belts.
 In 20 years of experience, this system has shown all its advantages:

- Soft start by nature (does not require a soft start with a frequency converter)
- Reliability over time (more than 5 years without maintenance)
- Transmission does not break if the drum jams (for example: if an object enters the drum)

Rinsing ramp with optimized water consumption and pressure.

The pressure of the nozzles has been optimized in order to obtain a perfect rinsing of the fabrics without damaging them.



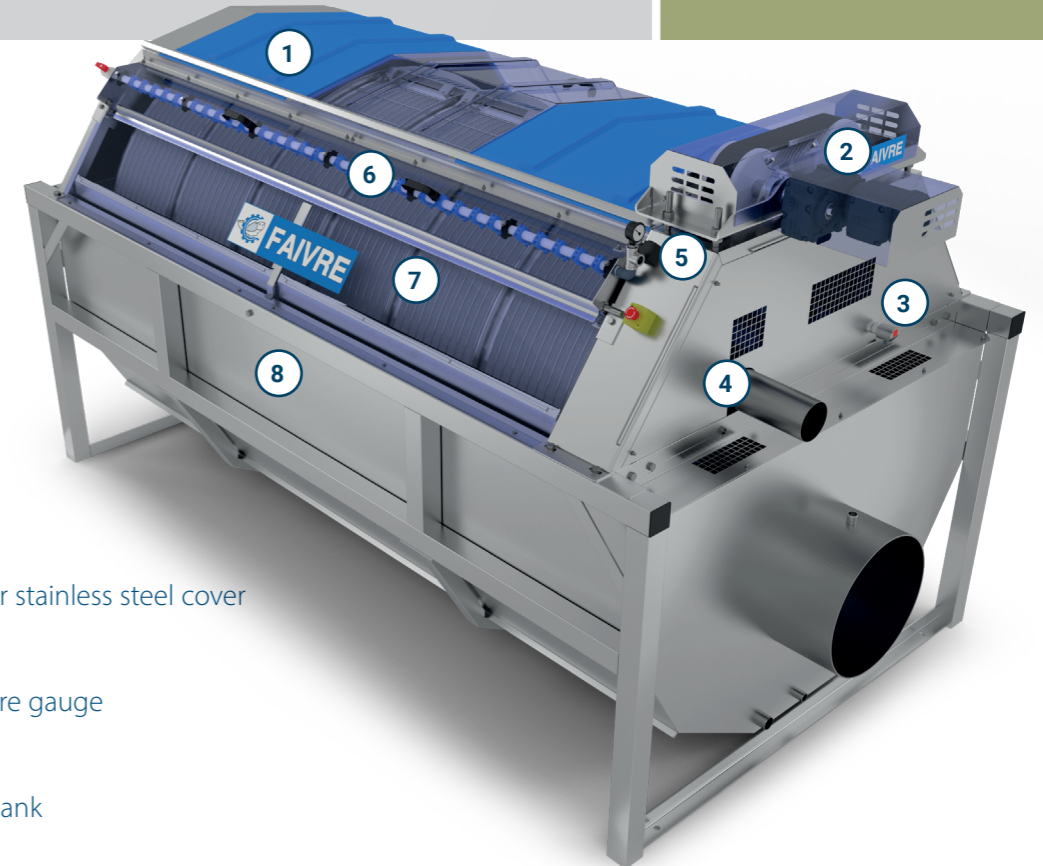
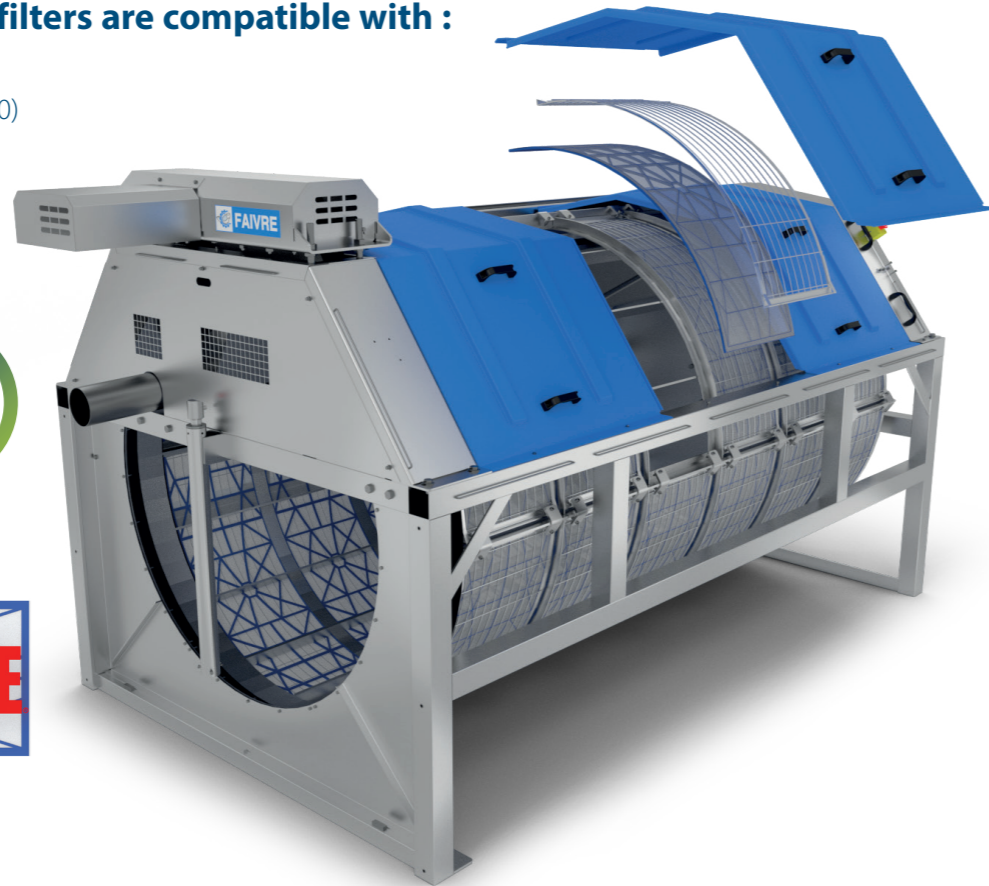
160
Rotoclean

Our Rotoclean 160 drum filters are compatible with :

- Smart filter technology (page 10)
- New Spiderplate® (page 12)

Smart filter

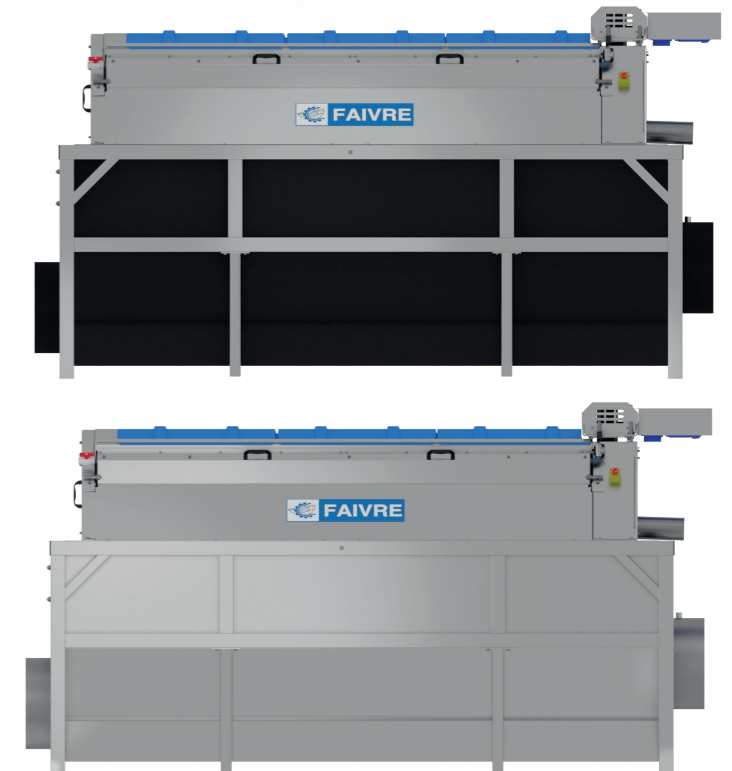
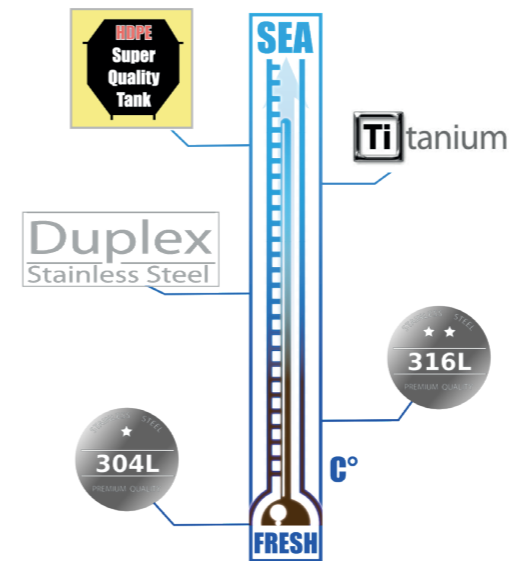
SPIDERPLATE



- 1 - Removable ABS covers
- 2 - Drum drive motor under stainless steel cover
- 3 - Level probe
- 4 - Sludge outlet
- 5 - Rinsing manifold pressure gauge
- 6 - Rinsing ramp
- 7 - Stainless steel drum
- 8 - Stainless steel or HDPE tank

Specifications

Model	Inlet -outlet standard	Motor power	Filter surface	Number of plates	Sludge outlet diameter	Number of Spray nozzles
12 - 160	Ø 500 mm (150l/s max.)	550 W	5,16 m ²	12	Ø 125 mm	15
16 - 160			6,88 m ²	16		20
20 - 160	Ø 630 mm (200l/s max.)		8,6 m ²	20		25
24 - 160			10,32 m ²	24		30
28 - 160			Ø 700 mm (318l/s max.)	12,04 m ²		28
32 - 160	13,76 m ²			32		40



High quality stainless steel construction.

- Exclusive use of high quality stainless steel made in northern Europe (Norway, Finland, Sweden)
- Stainless steel AISI 304L (4301) for fresh water as standard
- Stainless steel AISI 316L (4404) for sea water as standard
- Stainless steel DUPLEX (2205), SUPER DUPLEX (2507), HDPE and Titanium for hot sea water.

The CCPUs of the material constituting your filter order can be supplied to you on request.

Frame

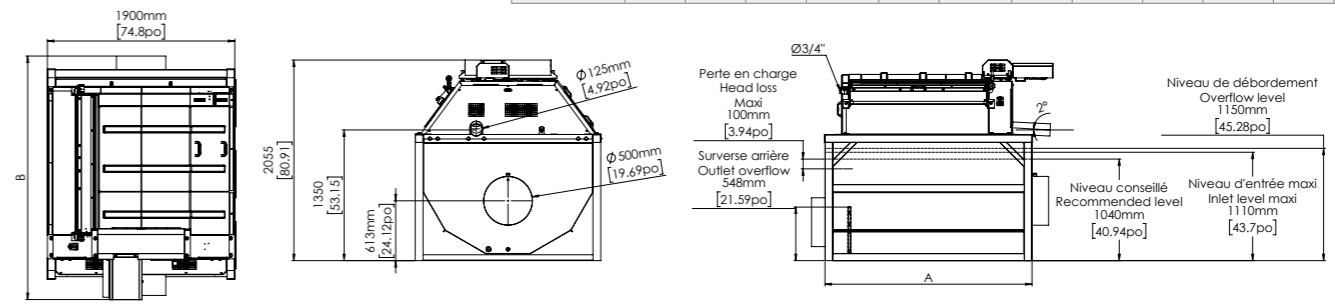
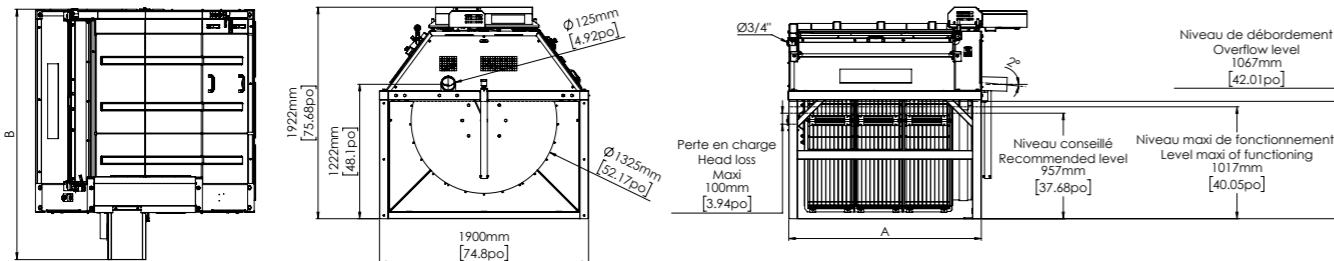


	12-160		16-160		20-160		24-160		28-160		32-160	
Net weight	704 kg 1552 lbs		800 kg 1764 lbs		1030 kg 2271 lbs		1050 kg 2315 lbs		1143 kg 2520 lbs		1265 kg 2789 lbs	
Unit	cm	in	cm	in	cm	in	cm	in	cm	in	cm	in
Width	190	75	190	75	190	75	190	75	190	75	190	75
Height	193	76	193	76	193	76	193	76	193	76	193	76
Length (A)	175	69	219	86	263	103	307	121	351	138	395	155
Length (B)	216	85	260	102	304	120	348	137	392	154	436	171

Stainless steel tank



	12-160		16-160		20-160		24-160		28-160		32-160	
Net weight	952 kg 2099 lbs		1108 kg 2443 lbs		1346 kg 2967 lbs		1411 kg 3111 lbs		1535 kg 3384 lbs		1659 kg 3657 lbs	
Net weight full tank	4210 kg 9281 lbs		5150 kg 11353 lbs		6000 kg 13228 lbs		6850 kg 15102 lbs		7700 kg 19976 lbs		8550 kg 18850 lbs	
Unit	cm	in	cm	in	cm	in	cm	in	cm	in	cm	in
Width	190	75	190	75	190	75	190	75	190	75	190	75
Height	206	81	206	81	206	81	206	81	206	81	206	81
Length (A)	212	83	256	100	300	118	344	135	388	153	432	170
Length (B)	247	97	291	114	335	132	379	149	423	166	467	184



Input by pipe

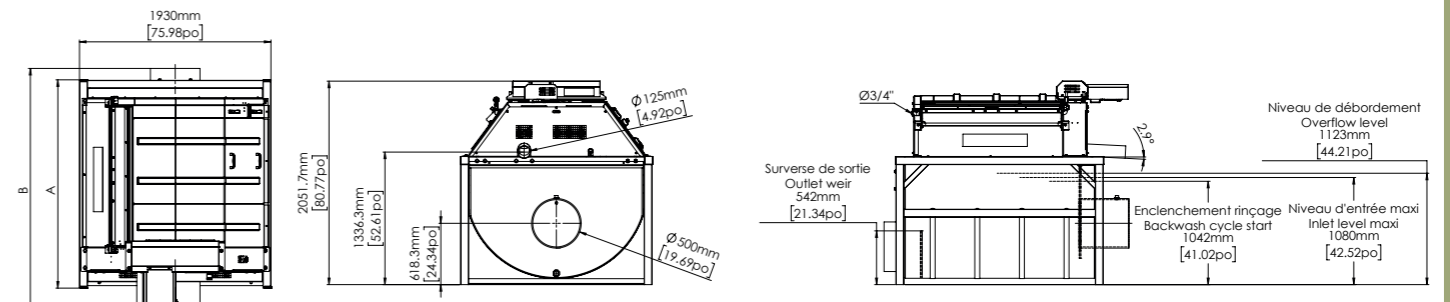
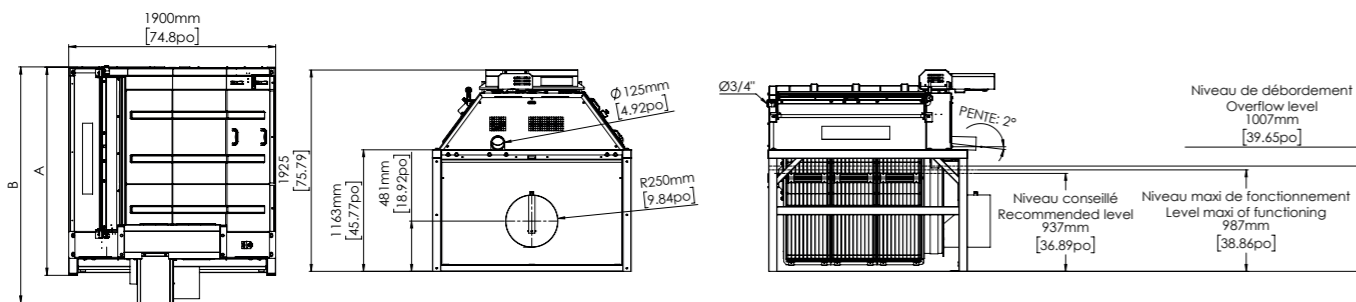


	12-160		16-160		20-160		24-160		28-160		32-160	
Net weight	767 kg 1691 lbs		865 kg 1907 lbs		1092 kg 2407 lbs		1132 kg 2496 lbs		1232 kg 2716 lbs		1331 kg 2934 lbs	
Unit	cm	in	cm	in	cm	in	cm	in	cm	in	cm	in
Width	190	75	190	75	190	75	190	75	190	75	190	75
Height	193	76	193	76	193	76	193	76	193	76	193	76
Length (A)	190	75	234	92	278	109	322	126	366	144	410	161
Length (B)	216	85	260	102	304	119	348	137	392	154	436	171

HDPE tank



	12-160		16-160		20-160		24-160		28-160		32-160	
Net weight	849 kg 1872 lbs		972 kg 2143 lbs		1197 kg 2639 lbs		1254 kg 2765 lbs		1363 kg 3005 lbs		1480 kg 3263 lbs	
Net weight full tank	4210 kg 9281 lbs		5150 kg 11353 lbs		6000 kg 13228 lbs		6850 kg 15102 lbs		7700 kg 16976 lbs		8550 kg 18850 lbs	
Unit	cm	in	cm	in	cm	in	cm	in	cm	in	cm	in
Width	193	76	193	76	193	76	193	76	193	76	193	76
Height	205	81	205	81	205	81	205	81	205	81	205	81
Length (A)	209	82	253	99	297	117	341	134	385	151	429	169
Length (B)	247	97	291	114	335	131	379	149	423	166	467	184



Options



Rinsing pump.

Vertical pump used for cleaning filter meshes. This pump is connected to the filter unclogging ramp. Its pressure is calculated so as to be adapted to the mesh of the filter. The pump is delivered with all the accessories for connection to the drum filter.

Control box with polyester box.

The control box is optional. It allows optimum control and safety for all our drum filters.

The large IP65 polyester box is more suitable for model 120, 160 or 200 filters.

For the safety of people, the box includes:

- 1 lockable disconnecter.
- 2 emergency stops including 1 on the front of the cabinet, 1 other emergency stop is positioned on the drum filter.
- 1 fast-tripping current detector is also integrated in the box. This current detector allows the filter to stop instantly in the event that the filter suddenly becomes blocked. (which can happen when a foreign body that is too large enters the filter with the water)

For the safety of the equipment, the box includes:

- 1 circuit breaker unit for the power supply to the cabinet.
- 2 Thermal circuit breakers to protect the motor of the drum filter and the motor of the rinsing pump.

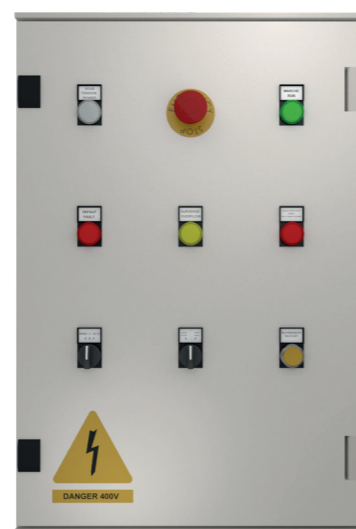
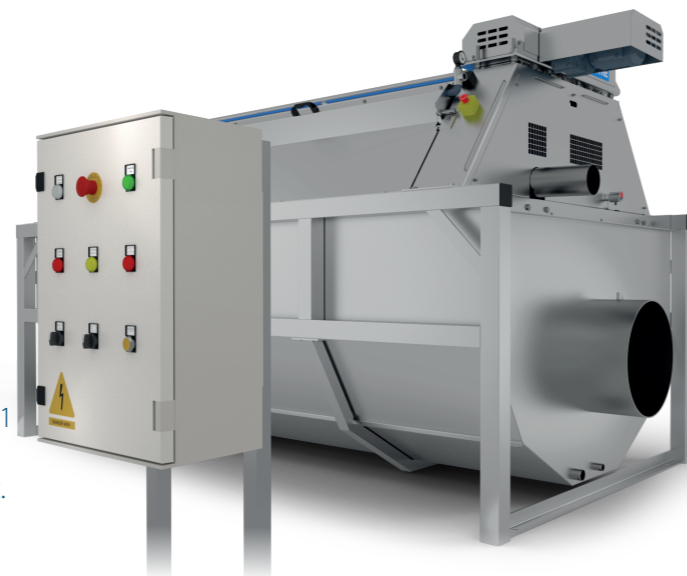
The control box is delivered with:

- 5m cable for the power supply.
- 10m cable with M23 connector to easily connect the drum motor, the flushing pump, the emergency stop and the hood safety switch.
- 10m of cable with an M12 connector to easily connect the water level radar.

Ref. :

- **FTC021-B24**

Power supply 3 x 200 - 230 - 400 - 440 - 480 - 575 V 50Hz/60Hz



Level probe and (or) Timer

A level probe and a timer are 2 possible options in order to control the operation of the drum filter.

The level probe is a high-performance radar which only takes into account the level of the liquid and which is not disturbed by foam on the surface of the filtered liquid.

The timer allows the drum to be started and stopped by simple programming on the component inside the cabinet using a screwdriver.

These two options are available separately or together on the boxes, please specify this when ordering.



RADAR



TIMER

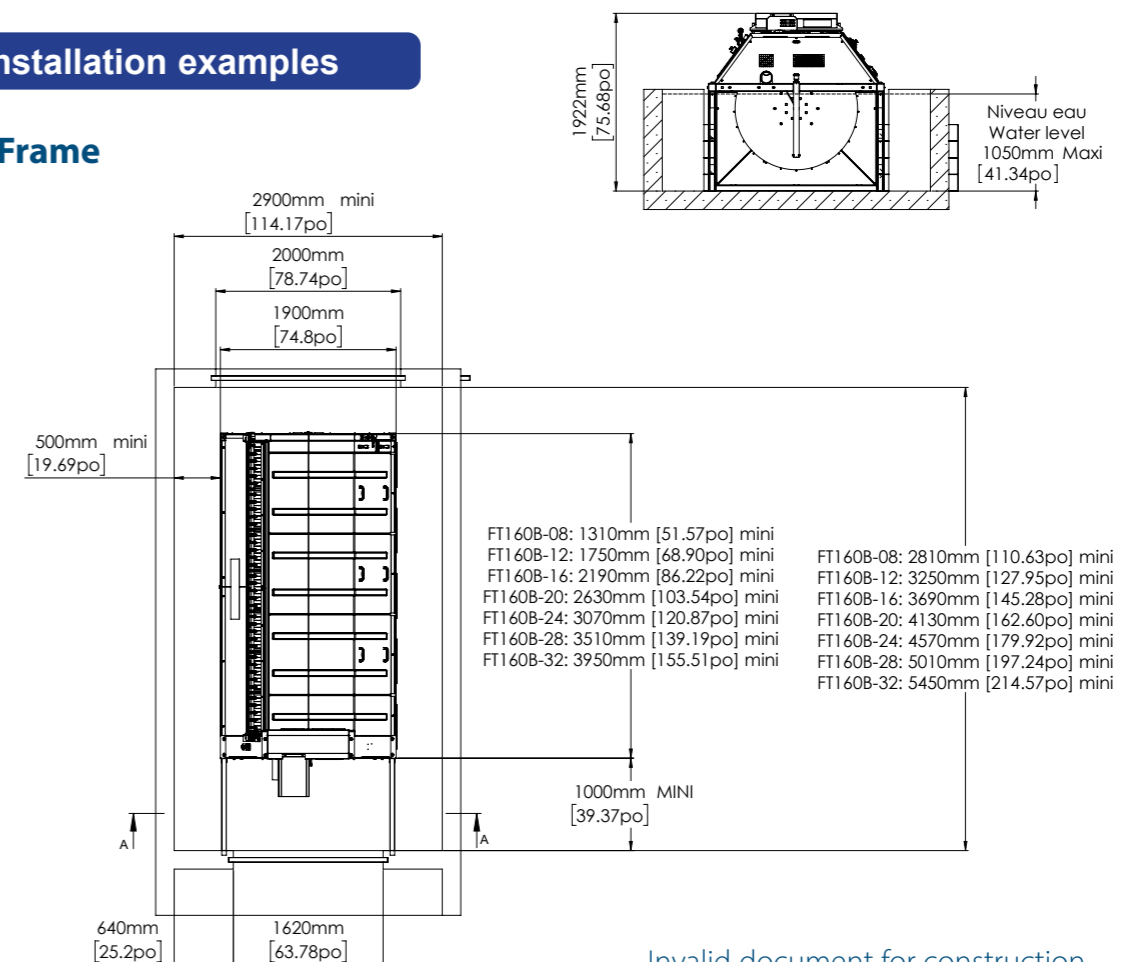
Ref. :

- **FTDSN4** Level radar **LR2050**

- **FTDT01** Cabinet timer **FTC001-EAS**

Installation examples

FT160 Frame



Invalid document for construction