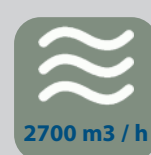


160

DrumFilter

Serie



2700 m³ / h



15 / 500 µm



7 Sizes

Drum filter 160
serie

4 Models

Frame



Input by pipe



Stainless style tank



HDPE tank



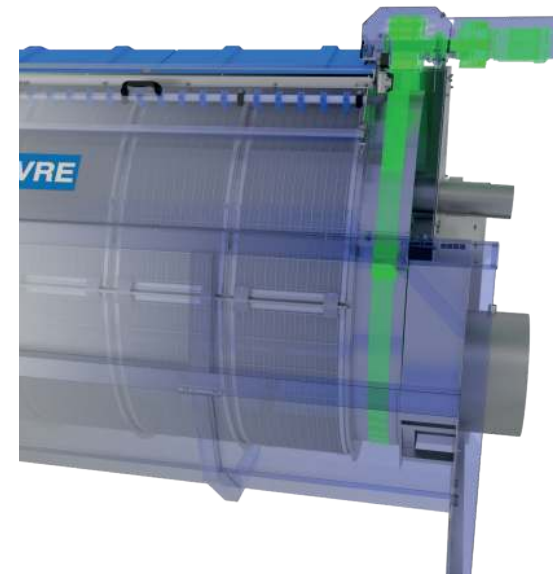
Drum filter 160

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.

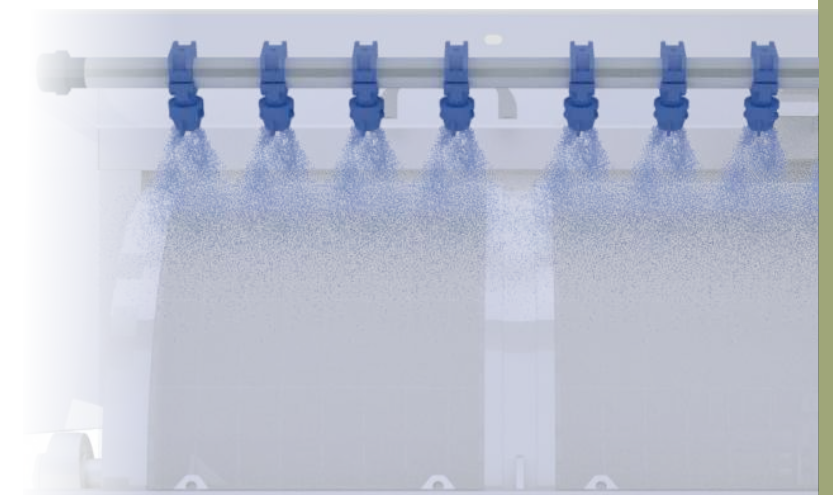
Rotoclean 160 drum filters benefit from the BDS system (Belt Drive & Support system). The motor, ideally placed on top of the drum filter, drives and supports the drum with one or more belts.

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.



www.faivregroup.com

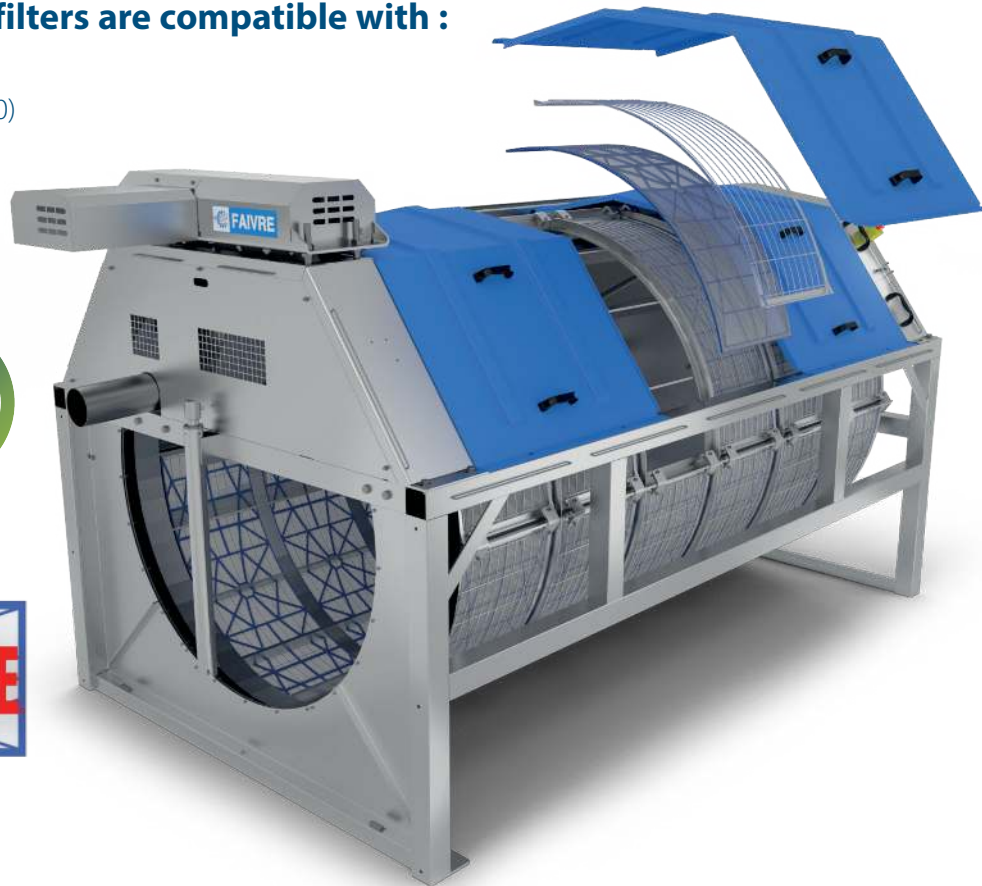
www.faivregroup.com

Our Rotoclean 160 drum filters are compatible with :

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

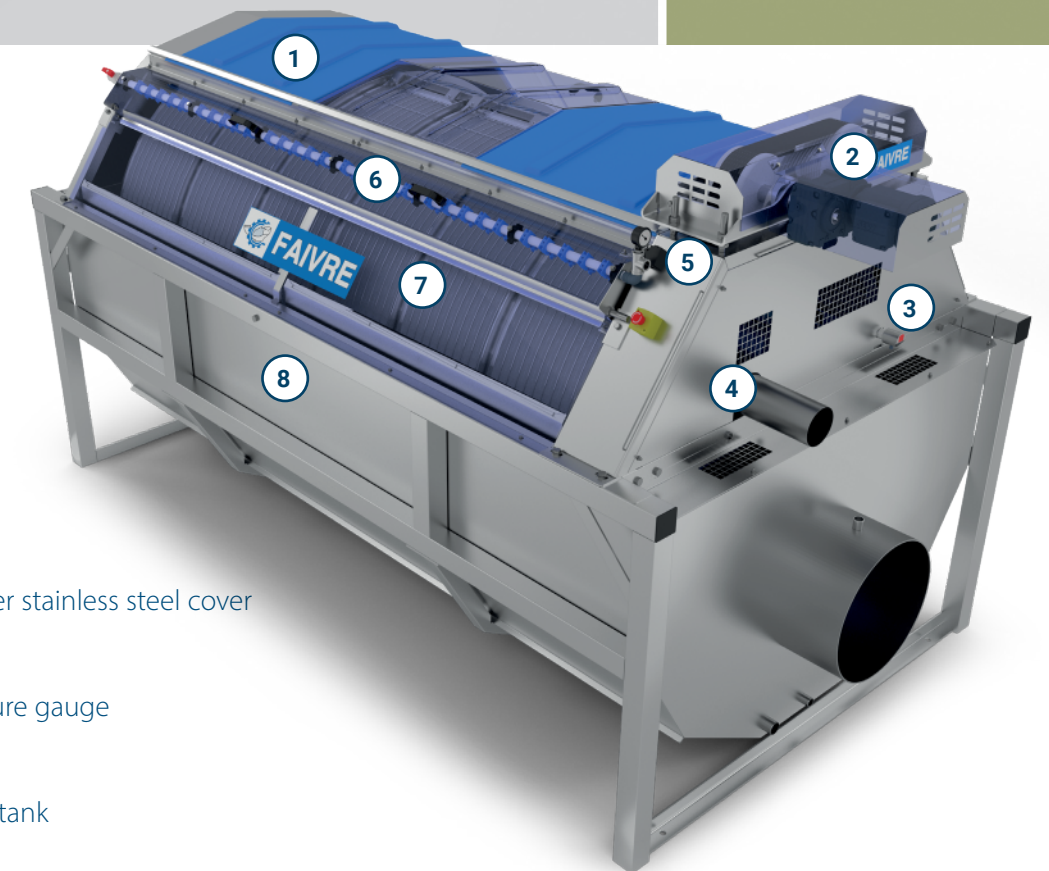
Smart
filter

SPIDERPLATE

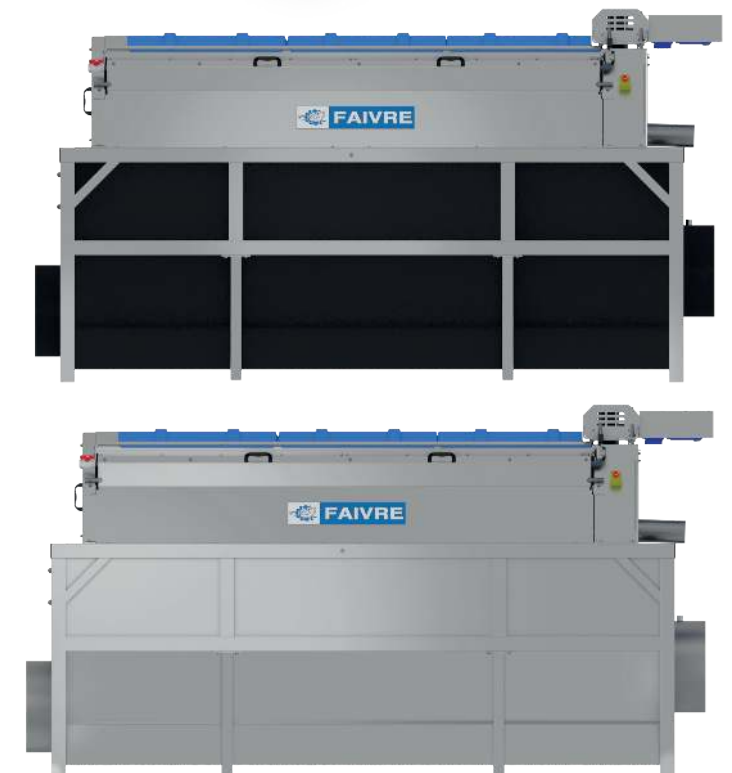
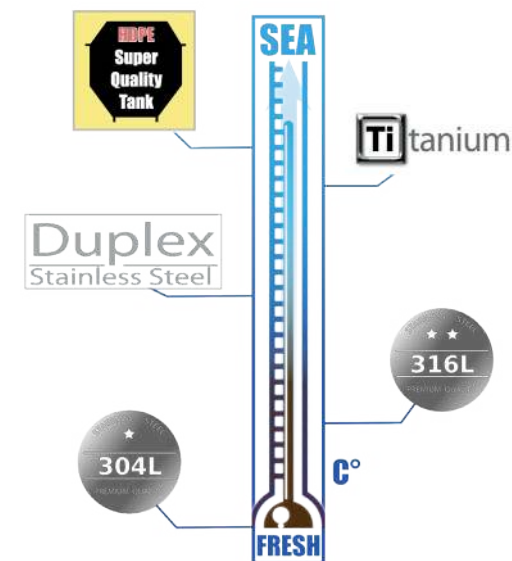


Specifications

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 m²	12	Ø 125 mm	15
16 - 160			6,88 m²	16		20
20 - 160	Ø 630 mm (200l/s max.)		8,6 m²	20		25
24 - 160			10,32 m²	24		30
28 - 160	Ø 700 mm (318l/s max.)		12,04 m²	28		35
32 - 160			13,76 m²	32		40



- 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



High quality stainless steel construction.

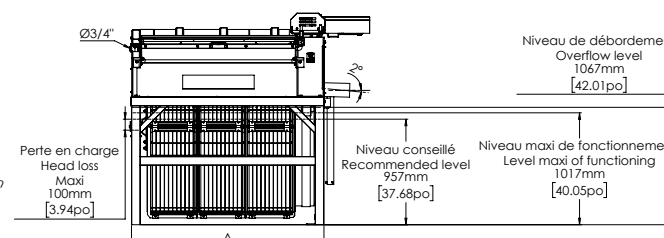
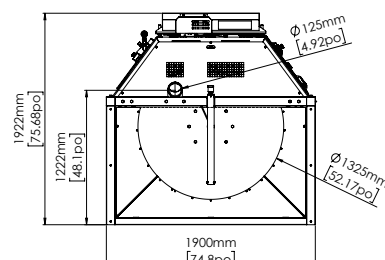
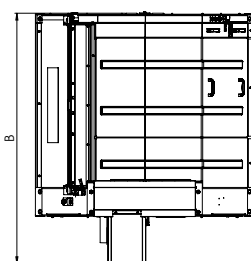
- Exclusive use of high quality stainless steel made in northern Europe (Norway, Finland, Sweden)
- Stainless steel AISI 304L (4301) for fresh water as standard
 - Stainless steel AISI 316L (4404) for sea water as standard
 - Stainless steel DUPLEX (2205), SUPER DUPLEX (2507), HDPE and Titanium for hot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

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

Frame



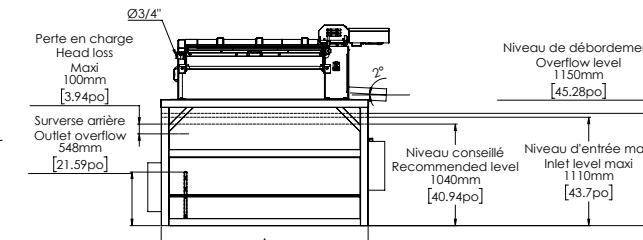
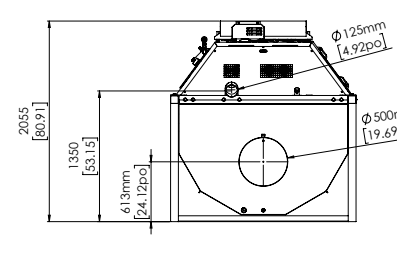
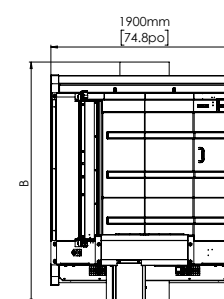
	12-160		16-160		20-160		24-160		28-160		32-160	
Net weight	704 kg	1552 lbs	800 kg	1764 lbs	1030 kg	2271 lbs	1050 kg	2315 lbs	1143 kg	2520 lbs	1265 kg	2789 lbs
Unit	cm	in	cm	in	cm	in	cm	in	cm	in	cm	in
Width	190	75	190	75	190	75	190	75	190	75	190	75
Height	193	76	193	76	193	76	193	76	193	76	193	76
Length (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



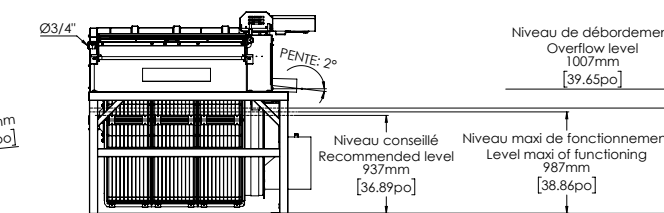
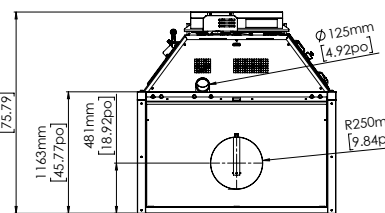
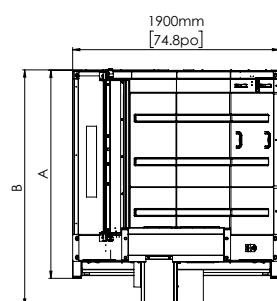
	12-160		16-160		20-160		24-160		28-160		32-160	
Net weight	952 kg	2099 lbs	1108 kg	2443 lbs	1346 kg	2967 lbs	1411 kg	3111 lbs	1535 kg	3384 lbs	1659 kg	3657 lbs
Net weight full tank	4210 kg	9 281 lbs	5150 kg	11 353 lbs	6000 kg	13 228 lbs	6850 kg	15 102 lbs	7700 kg	19 976 lbs	8550 kg	18 850 lbs
Unit	cm	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



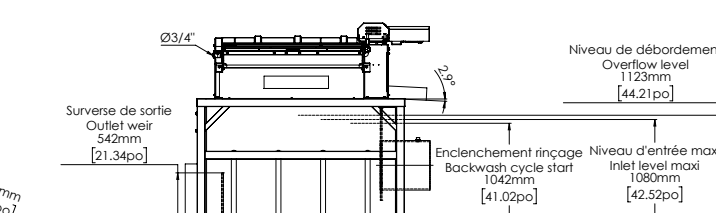
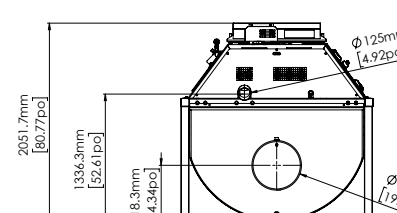
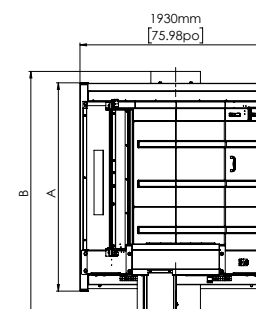
	12-160		16-160		20-160		24-160		28-160		32-160	
Net weight	767 kg	1691 lbs	865 kg	1907 lbs	1092 kg	2407 lbs	1132 kg	2496 lbs	1232 kg	2716 lbs	1331 kg	2934 lbs
Unit	cm	in	cm	in	cm	in	cm	in	cm	in	cm	in
Width	190	75	190	75	190	75	190	75	190	75	190	75
Height	193	76	193	76	193	76	193	76	193	76	193	76
Length (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.

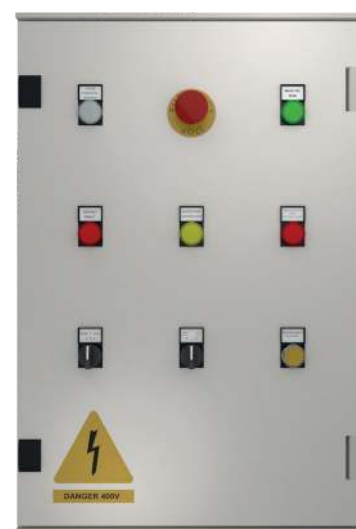
The control box is delivered with:

- 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.

Ref. :

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

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



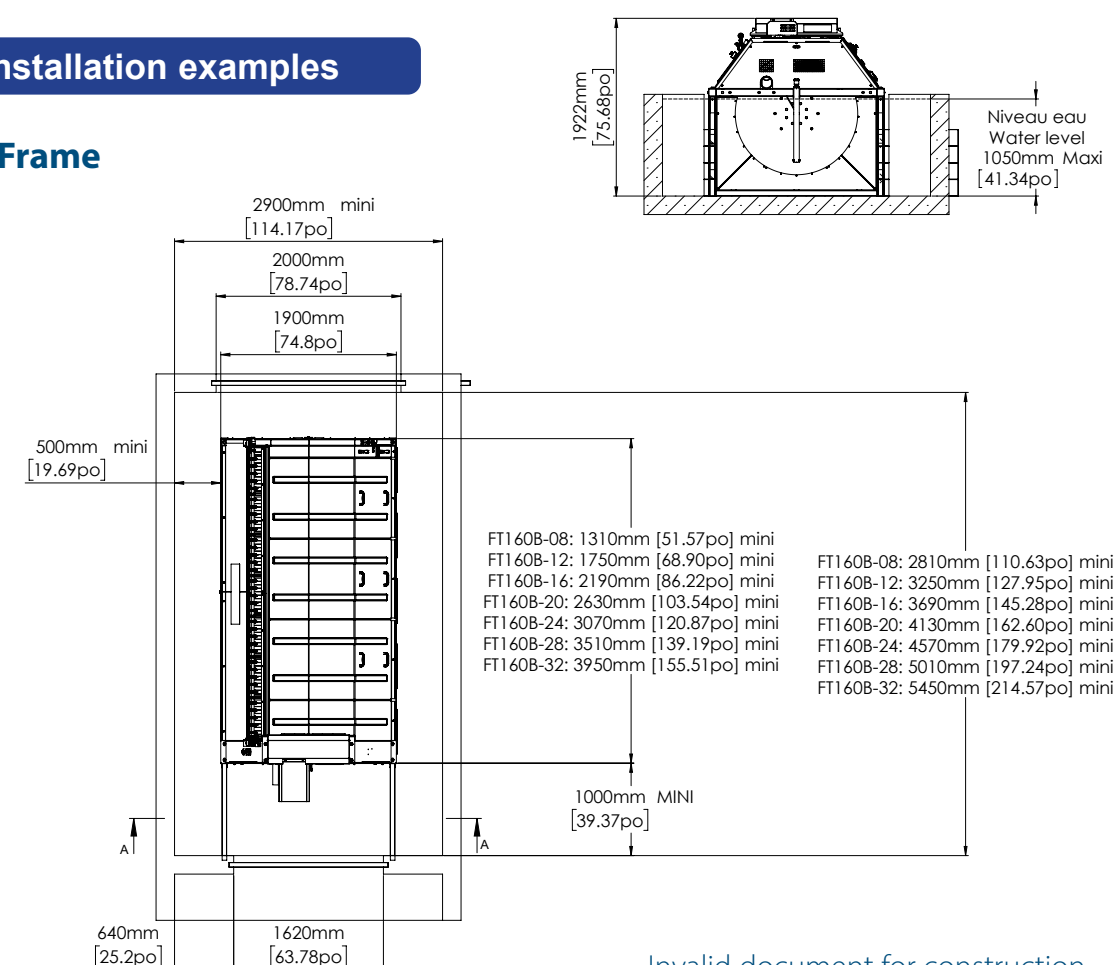
RADAR



TIMER

Installation examples

FT160 Frame



Invalid document for construction