

# Repair-Manual For Hollowfiber Modules



760628



760756



760177



760749

## Revision history

Rev.-Nr.	Date	Author	Reason for revision
0	05.10.2020	SKU	---
1	06.09.2023	SKU	Updated company information

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## 1. General

The testing procedure and pictures are associated to the following module type:

- 760749 (C-CUT Core MF 020-015 MI 168-1060 RP Steel)



The general sequence is also valid for each other kind of hollowfiber module, such as:

- 760177 (C-CUT Core MF 020-015 MI 163-1200)
- 760756 (C-CUT Core MF 020-015 MI 142-1240 RP PS)
- 760628 (C-CUT Core MF 020-015 MI 160-1020 RP Steel)

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## 2. Repair Kit

The described repair kit (760622 and 760730) consists of the following components:

	760622 Repair Kit	760730 Repair Kit XL
Syringe	2	10
Blunt needle	2	10
Resin	50 g	500 g
Hardener	50 g	250 g
Plastic Pins	40	100



## 3. Safety Regulations

Attention: Always use goggles during testing.



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## 4. Preparing the Housing

4. 1. Close one side of the housing (either concentrate or feed) with a blindcap.



4. 2. Close the permeate port on the same end of the housing with a blindcap.



4. 3. Turn the module by 180° and place it in a tub.



4. 4. Fill the module with tap water via the upper permeate port (red arrow). When water spills out, close the port and finalize the filling cycle via the upper feed port (green arrow).



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4. 5. Connect compressed air to the lower permeate port.



4. 6. Gently apply pressure to 0,3 bar. Use a pressure regulator.



4. 7. Broken fibers are visible due to the air bubbles. Insert repair pins to suspicious fibers.



4. 8. Cut the remaining part of the the pin with a sharp knife.



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4. 9. Gently push the black plastic pin into the broken fiber with a hammer. Please use a nail < 1,5 mm OD. Stop pushing, when the pin immersed 5-8 mm.



4. 10. Drain the module, membranes will be kept wet. Seal the filter housing with a plastic bag or alternative product.



4. 11. Mix the resin and hardener with the following mixing ratio:
- 2 parts resin (e.g. 30,0 gr.)
  - 1 part hardener (e.g. 15,0 gr.)

4. 12. Stirr with suitable tool (i.e. spatula) until both components are complete mixed. Fill the mixed solution into the syringe and fill the effected fiber with resin. Let the resin dry one hour.



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