Lifemeta™ AC Single-use Aseptic Connector

Lifemeta AC single-use aseptic connector, exclusively designed by Cobetter, can be widely used in various production stages of biopharmaceuticals, such as upstream media fed-batch, downstream sterile connection of final filling, etc..

Lifemeta AC aseptic connectors are designed with pull tabs to improve ease of operation, while the genderless structure makes the connection more flexible and reduces the risk of upstream and downstream connection mismatches and operational errors.

Quality Assurance

- Validation guide are available
- Extractables and leachables report are available on request
- Meet the requirement of USP <87> In Vitro Biological Reactivity Test
- Meet the criteria of the USP <88> Biological Reactivity Test for Class VI plastics
- Aqueous extraction contains < 0.25 EU/mL as determined by Amebocyte Lysate, USP <85>
- Particulate matter in the product eluent meets the requirements in USP <788> for large volume parenterals
- ISO 9001:2015 Quality Management System
- ADCF raw materials

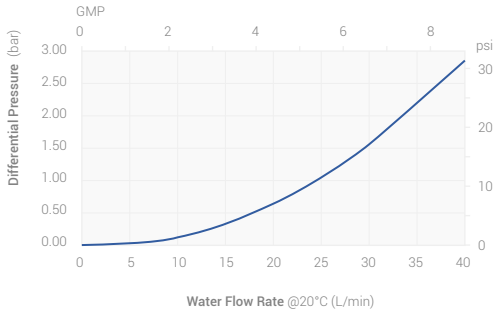
Applications

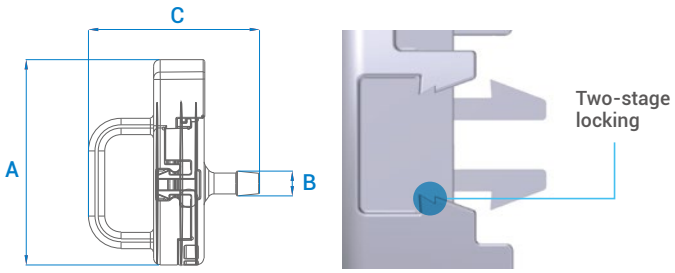
- Media preparation and transfer
- Buffer preparation and transfer
- Sampling during cell culture
- Bioreactor inoculum and harvest
- Sterile assembly of probe assemblies into single-use bags
- Final filling sterile connection
- Sterile filling of bulk drug substance

Specifications

Type	Gamma Version (Type S)	High Tempeature Version (Type U)	Electrode Version (Type T)
Size	¼" HB、⅜" HB、 ½" HB、¾" HB	¼" HB、⅜" HB、 ½" HB、¾" HB	½" HB
Materials	Fluid contact parts Main components: Polysulfone (PSF) O-ring: Silicone	Fluid non-contact parts Membrane: Polyethersulfone (PES) Protective cover: Polycarbonate (PC) Reinforced clamp (Only available on the high tempeature version): Polysulfone (PSF)	
Vacuum Resistance	Up to 1.0 bar		
Recommended Operating Temperature Range	1 ~ 40 °C		
Sterilization	Can withstand up to 25-45 kGy gamma irradiation sterilization.	Can be sterilized with steam 2 cycles for 60 minutes at 130°C, or can be sterilized with pulsed vacuum 1 cycle for 30 minutes at 121°C.	Can withstand up to 25-45 kGy gamma irradiation sterilization, or can be sterilized with steam 2 cycles for 60 minutes at 130°C.
Hold-up Volume	About 0.1 mL		
Recommended pH Range	2-12		

Water Flow Rate Test





Ordering Information(Gamma Version)

Part No.	Specification	Packaging	Qty	Dimensions (mm)		
				A	B	C
ACMSSR	¼" HB	No-sterile	10 pcs/pk	63.0	7.6	52.5
ACMSSY	⅜" HB	No-sterile	10 pcs/pk	63.0	11.0	54.9
ACMSSH	½" HB	No-sterile	10 pcs/pk	63.0	15.4	61.5
ACMSSM	¾" HB	No-sterile	10 pcs/pk	63.0	21.8	67.7

Ordering Information(High Temperature Version)

Part No.	Specification	Packaging	Qty	Dimensions (mm)		
				A	B	C
ACMSUR	¼" HB	No-sterile	10 pcs/pk	63.0	7.6	52.5
ACMSUY	⅜" HB	No-sterile	10 pcs/pk	63.0	11.0	54.9
ACMSUH	½" HB	No-sterile	10 pcs/pk	63.0	15.4	61.5
ACMSUM	¾" HB	No-sterile	10 pcs/pk	63.0	21.8	67.7

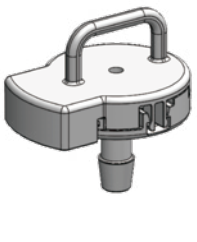
Before autoclave, ensure that the reinforced clamps of the high temperature version are properly installed.

Ordering Information(Electrode Version)

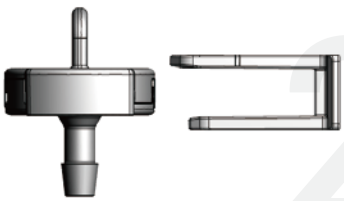
Part No.	Specification	Packaging	Qty	Dimensions (mm)		
				A	B	C
ACMSTH	½" HB	No-sterile	10 pcs/pk	63.0	15.4	61.5

Note: The product comes default with non-sterile packaging in individual double-layer bags.

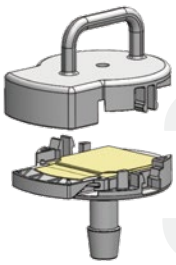
Operation



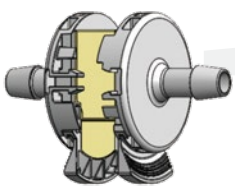
Initial state



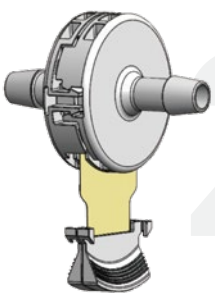
Remove the reinforced clamp
(Only available on the high tempeature version)



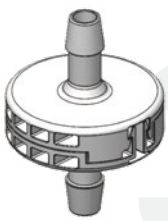
Remove the protective cap
from both connectors



Connect the two devices
to the first stage



Remove the membrane



Connect the two devices
to the second stage

cobetter® filtration

Please contact us for more information.

Hangzhou Cobetter Filtration Equipment Co.,Ltd.

Sales Add. : Floor 6, Building 1, Cobetter Sci-Tech Innovation Center, No. 699 Mingxing Road, Beigan Street, Xiaoshan District, Hangzhou 311200, China

Factory Add. : Cobetter Park, Heshang New Material Industry Park, Xiaoshan District, Hangzhou 311265, China

Tel +86-400-070-4266
Fax +86-571-87704256
www.cobetter.com

Ver. 02-e

* Specifications subject to change without notice.