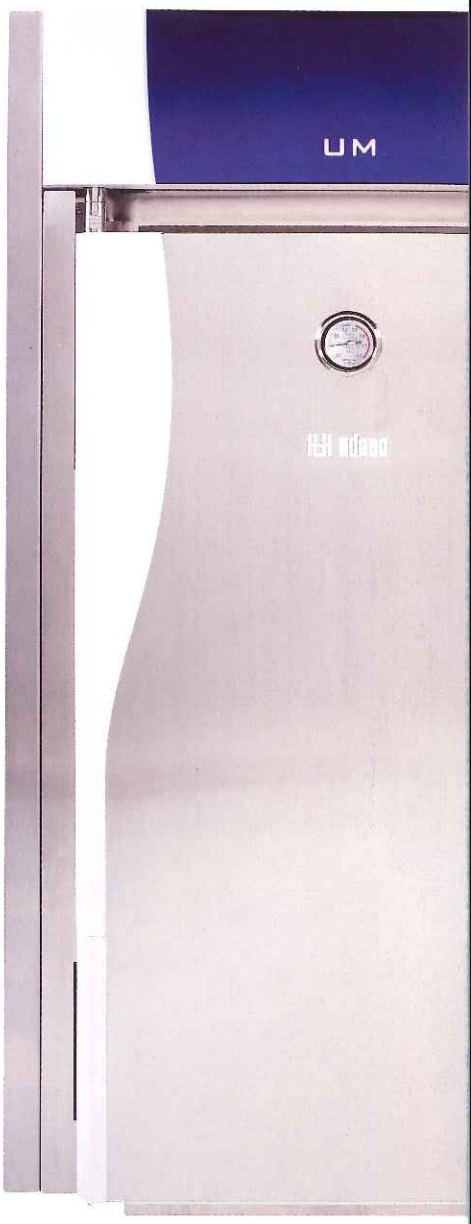


High-pressure steam sterilizer

udono sterilization system

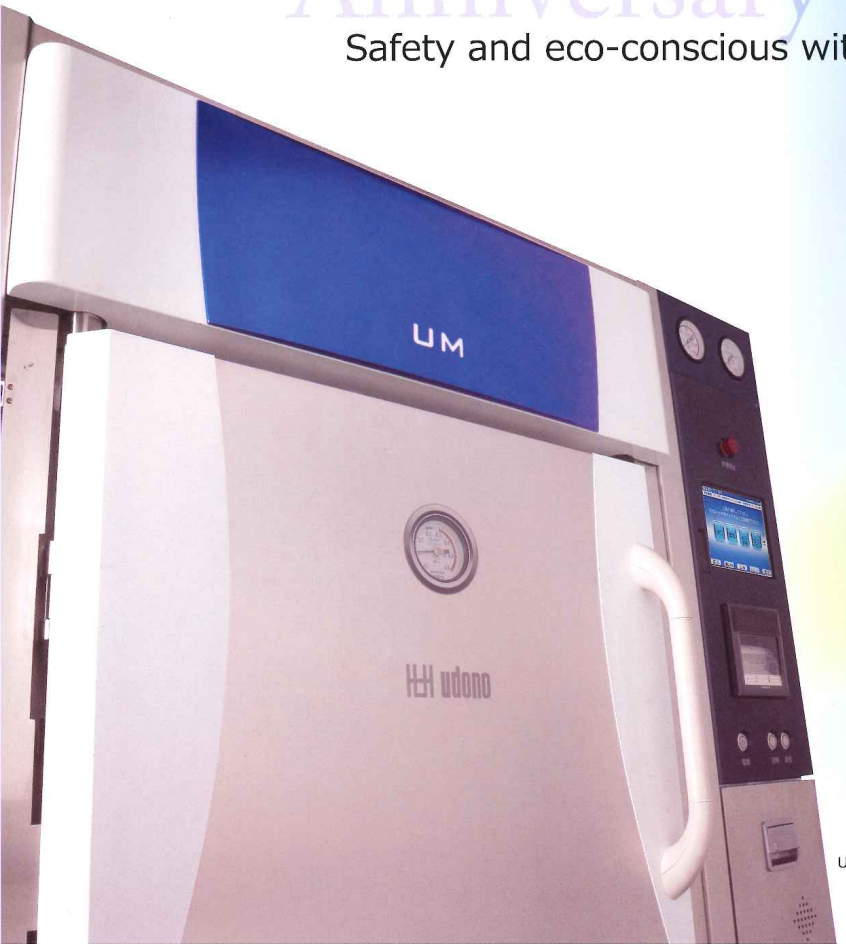
udono limited

Army for field hospital
first type Sterilizer
1924

90th Anniversary

Cutting edge technology of 90 years history

Safety and eco-conscious with multi-functional technology



UM10-R

UM68

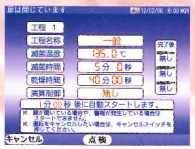
UM SERIES

Voice guidance function

"Be careful, door's closing"
"Door's opening"
"Caution it's hot"
"Jacket is warm enough"
"Please select the operation process"
"Please press the start switch"
"Operation has started"
"Sterilization process has started"
"Whole process will soon finish"
"Operation completed"
"Operation finished abnormally, please check content of the trouble"
"Sterilized materials are taken out"
Anyone can easily operate with voice guidance.
Voice guidance will notify the state of process even during the work
Voice guidance function can be turned off (Individually configurable).

Operation reservation function

Adopted setting day and time system
UM series make it possible to automatically turn on the switch and start the operation including Bowie-Dick Test, which eliminates preliminary step before sterilization.



Everything made from stainless steel

UM series adopted stainless steel for both chamber and jacket, which makes it possible to gather up drain water in steam and provide better quality steam.
Jacket itself plays a role as drain separator
(See the next page)
Collected drain water from Jacket will be reused for steam generator.

UM
SERIES

Make it easier to understand more.
Pursuit of efficiency and safety.

Designed for high pressure

Max pressure was increased from conventional 0.25MPa to 0.3MPa. Gradient of ceiling-floor portion is 20mm at maximum and it smoothly discharges drain water.

Operational performance

Equipped with a step display LED lamp on the top of the panel.
Possible to check the statement of the process by the color changes from distance
Easy control with 8.4 inch wide touch panel display

Setting original process name

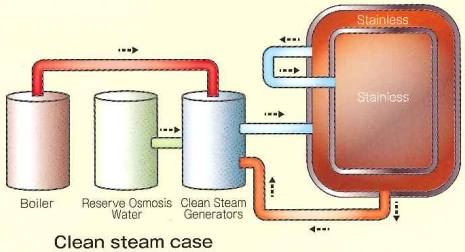
Setting for users' original process name

UM55

Newly designed chamber strainer

Chamber strainer with drain water hole. Work efficiency greatly improved, no longer need to disassemble the piping in the machine room.

UM series also focus on drying function



Clean steam case

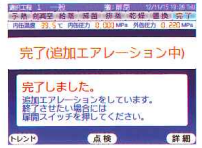
Steam normally contains Condensed water called "drain water".As conventional steam sterilizers use iron steel, steam made by clean steam generator was directly provided into the chamber in order to prevent the rust from the Jacket.UM type has adopted stainless steel jacket so that clean steam will go through the jacket to the chamber collecting and discharging drain water.Also, it provides the chamber with high quality steam as the Jacket itself plays a role as drain separator (Approx 360L volume /1413 type).

Normal steam case

Steam provided from boiler also contains drain water. As mentioned above, it was directly got into the chamber.By going through the jacket, high quality steam will be provided into the chamber.

Equipped with automatic additional drying process and cooling function

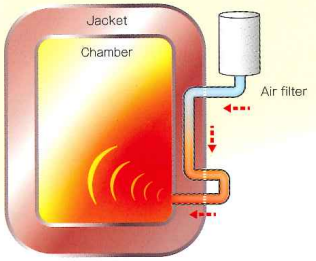
After the end of the whole process, it will automatically move to additional steps if there is no opening door for the certain time.By keep heating the jacket, clean air is brown in order to facilitate drying materials.By stopping pre-heating process, users are able to select additional aeration for cooling sterilized materials.Switching off for energy saving or standing by mode are also selectable.



UM10-U

New drying system

UM type greatly increases drying efficiency by not directly taking clean air to chamber, but taking clean air through heated jacket.
Increasing max pressure of Jacket creates radiation heat, which makes better in drying process

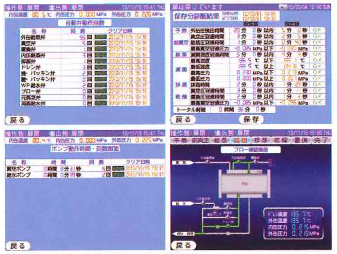


Managing the data

Built-in flash memory memorizes records up to 8000 hours of operation process.Graph can show date and time.Moving the cursor on the graph, it shows the temperature and pressure on the point.Users are able to touch the display, feed pages and zoom like a tablet.Trend graphs and operation history can be output to USB memory.

Maintenance

As well as self-inspection function, UM series are equipped with a counter function of control parts.By accurate understanding of the operating time of parts such as valves and vacuum pump, we can offer maintenance pack based on the fact.

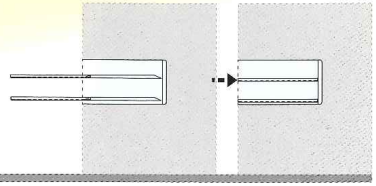


UM SERIES

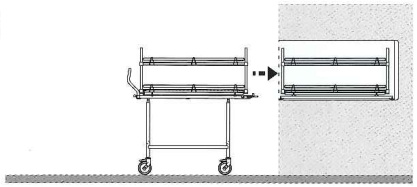
Loading System

55/68/10 type — Shelves (T)

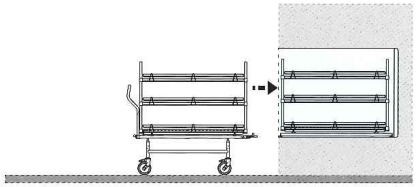
※55/68type is 2-stage(T2)
※10type is 3-stage(T3)



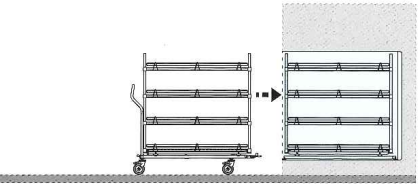
55/68 type — Trolley and loading rack (MT)



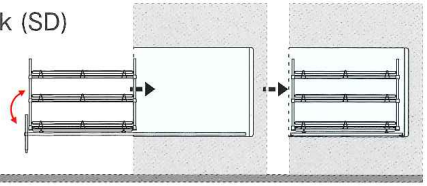
10 type



14 type

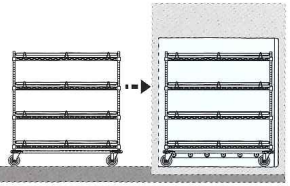


10 type — Folding rails and loading rack (SD)



14 type — Floor loading cart (FL)

※The floor loading cart (FL) needs the depth more than FL-150mm from the pit



Slide door type

Description	Camber Size(mm) Width	Height	Depth	Little	Door Single S	Door Double D	Slide	Overall Dimension (mm) Width	Height	Depth Single	Depth Double	Required Facilities: Steam Pipe dia	Consumption (kg/hr)	Reserve Osmosis Water Pipe dia.	Water Supply L/hr	Water Supply Pipe dia.	Water Supply L/min	Drain/Exhaust Pipe dia.	Power AC200V 3 phases A
UM55-U7-S	500	550	700	196	○	×	Vartically	1020	1800	1000	—	20A	15	20A	20	20A	6	40A	15A
UM55-U10-※			1000	280	○	○				1300	1310		20						
UM68-U7-※	660	680	700	320	○	×		1190	1850	1000	—	25A	25		40		8		20A
UM68-U10-※			1000	460	○	○				1300	1310		35						
UM68-U13-※			1300	600	○	○				1600	1610		45						
UM68-U16-※			1600	730	○	○				1900	1910		55				10	50A	30A
UM10-U7-S		1000	700	470	○	×	Horizontally	2000	1800	1050	—	32A	35				8	40A	20A
UM10-U10-※			1000	680	○	○				1350	1350		55						
UM10-U13-※			1300	880	○	○				1650	1650		70						
UM10-U16-※			1600	1080	○	○				1950	1950		85						
UM14-U10-※		1450	1000	980	○	○			1950	1350	1350		80				10	50A	30A
UM14-U13-※			1300	1280	○	○				1650	1650		100		60				
UM14-U16-※			1600	1570	○	○				1950	1950		120						

Swing door type

Description	Camber Size(mm) Width	Height	Depth	Little	Door Single S	Door Double D	Swing	Overall Dimension (mm) Width	Height	Depth Single	Depth Double	Required Facilities: Steam Pipe dia	Consumption (kg/hr)	Reserve Osmosis Water Pipe dia.	Water Supply L/hr	Water Supply Pipe dia.	Water Supply L/min	Drain/Exhaust Pipe dia.	Power AC200V 3 phases A
UM10-R7-S	660	1000	700	470	○	×	Right or Left	1300	1800	950	—	25A	35	20A	40	20A	8	40A	20A
UM10-R10-※			1000	680	○	○				1250	1190		55						
UM10-R13-※			1300	880	○	○				1550	1490		70						
UM10-R16-※			1600	1080	○	○				1850	1790		85				10	50A	30A
UM14-R10-※		1450	1000	980	○	○			1950	1250	1190	32A	80						
UM14-R13-※			1300	1280	○	○				1550	1490		100		60				
UM14-R16-※			1600	1570	○	○				1850	1790		120						

Description of Item

UM14—R13—S—FL/NS

- UM14 — Chamber Size (Width-Height)
- R13 — Chamber Size (Depth)
- S — U:Slide, R:Swing
- S — S:Single, D:Passing through
- FL/NS — NS:Normal Steam
- FL — T : Shelves, MT : Trolley and loading rack, SD : Folding rails and loading rack, FL : Floor loading cart

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