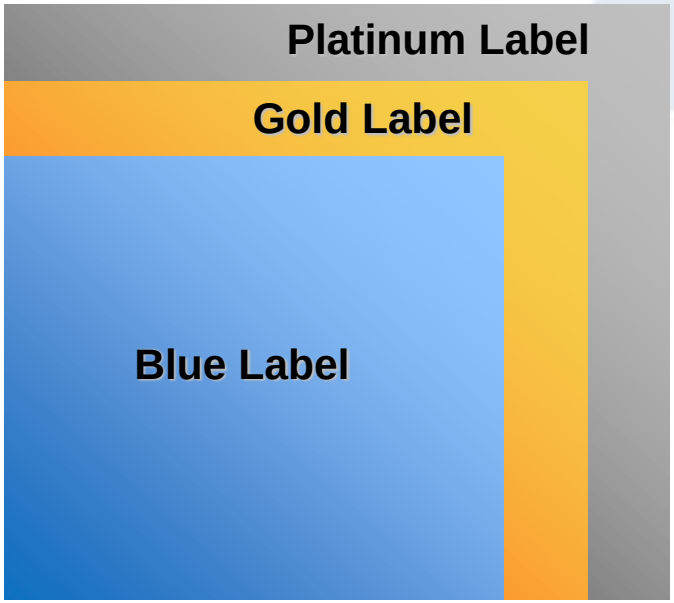
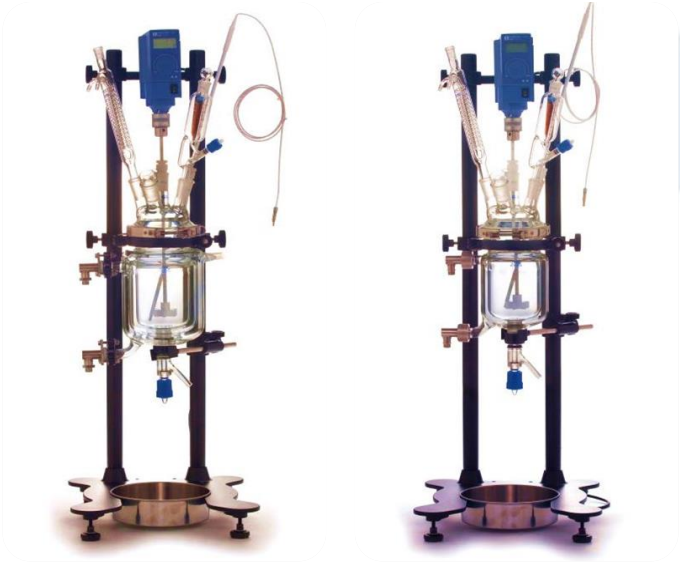
AG! Blue Label Bench-top Reactor

Product line up



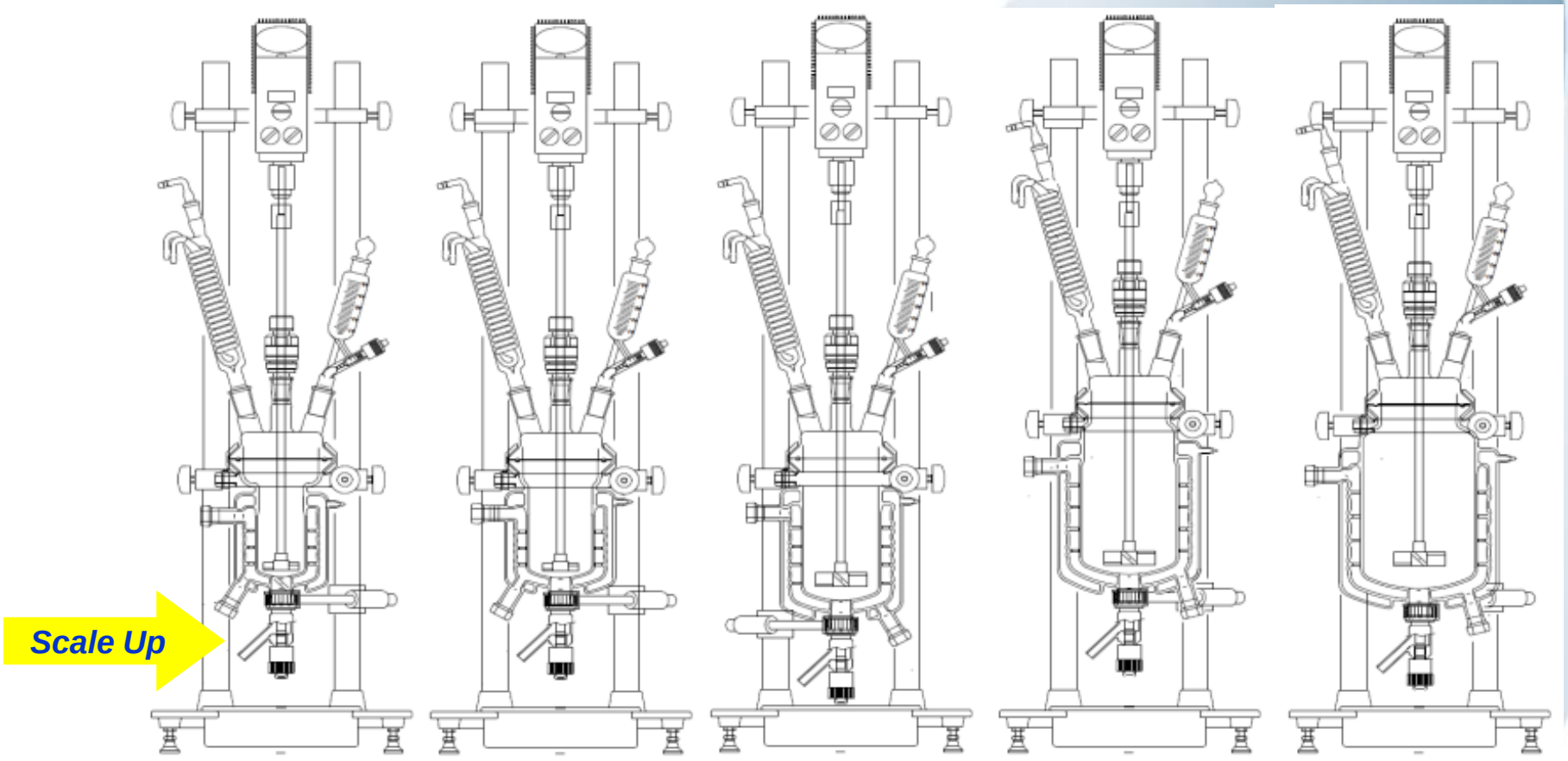
Blue Label	**Plug & Play : Ease of Use**
Gold Label	**Flexible and Easy Upgrades and Customization**
Platinum Label	**Custom Chemical Engineering Solutions**

Blue label bench-top reactor



- Interchangeable Scale-up
- Variety of Vessel Options
- Wide Temperature Range
- Time & Cost Saving
- Maximum Heat Transfer
- No Dead Space
- Leak-proof Flush Valve
- Compact Design
- Rigid Inlet/Outlet
- Complete Package
- Resource Saving

Interchangeable scale-up



From 300ml to 5L (w/o Ring Baffles)
3L (with Ring Baffles)

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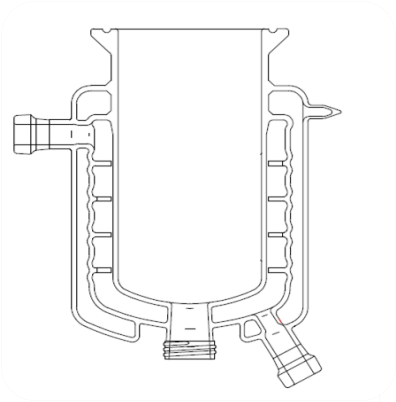
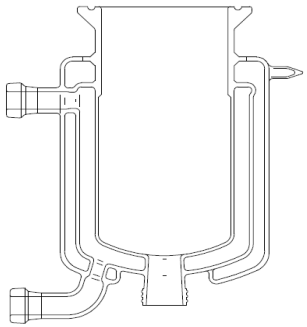
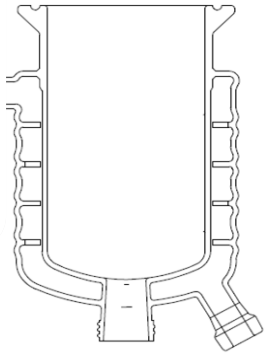
Variety of vessel options



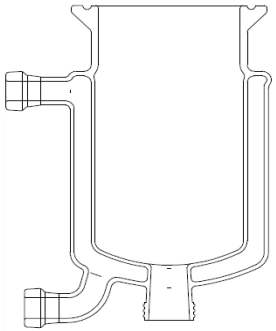
Triple Wall
with Ring Baffle



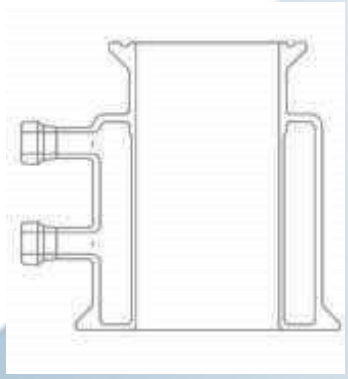
Triple Wall



Double Wall
with Ring Baffle

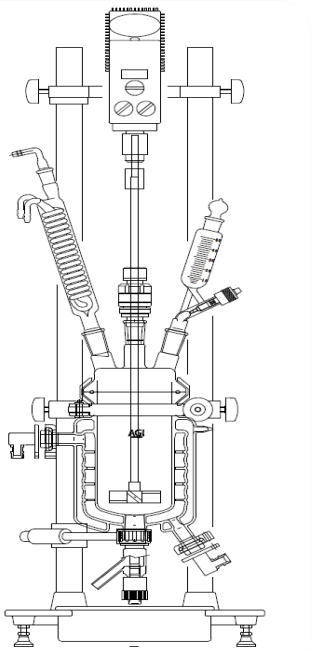


Double Wall



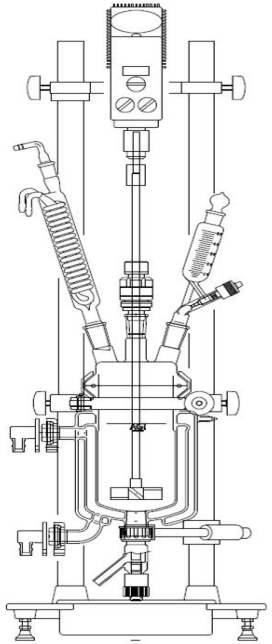
Filter Reactor

Variety of vessel options

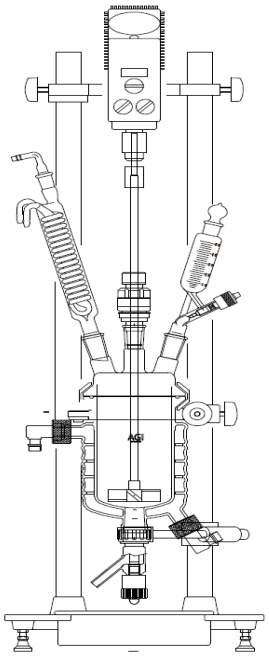


Triple Wall

with Ring Baffles

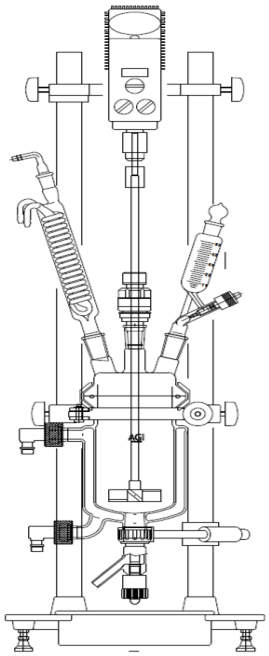


Triple Wall

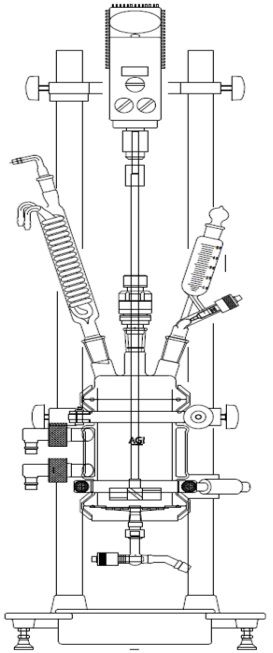


Double Wall

with Ring Baffles

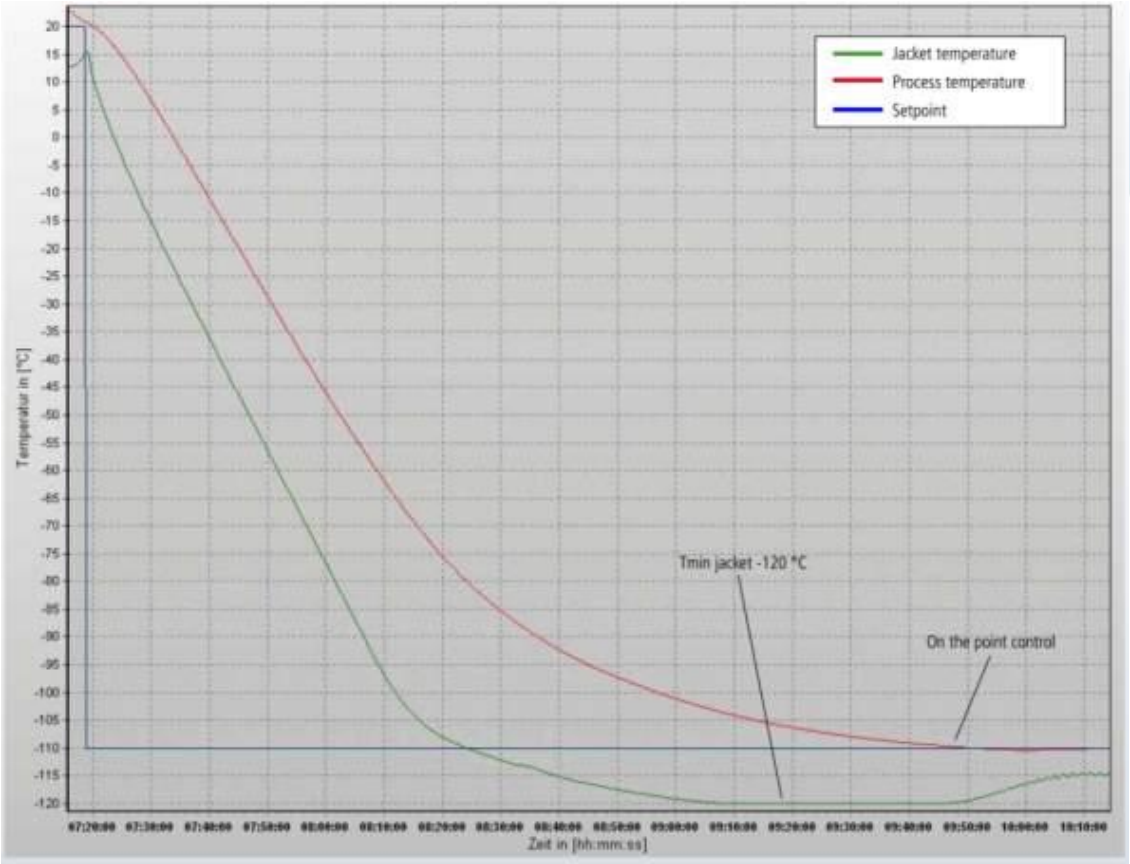


Double Wall



Filter Reactor

Wide temperature range



Note. Data from a case study conducted by Huber, tested on AG! 10L reactor with Huber Unistat 1005w (HTF: Kryothermal S)

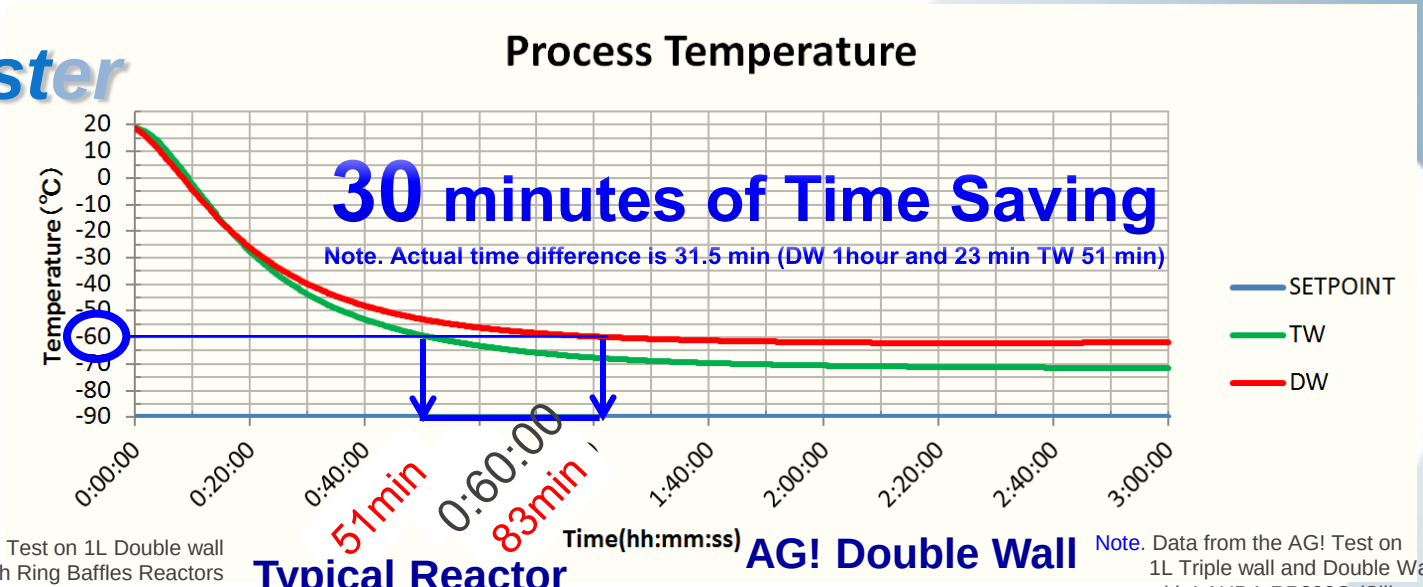
1L Double Wall Reactor,
1L Triple Wall Reactor with Ring Baffles

-120℃ ~ +230 ℃

ΔT: 60℃ (Triple Wall)
ΔT: 110℃ (Double Wall)

Maximum heat transfer

Faster

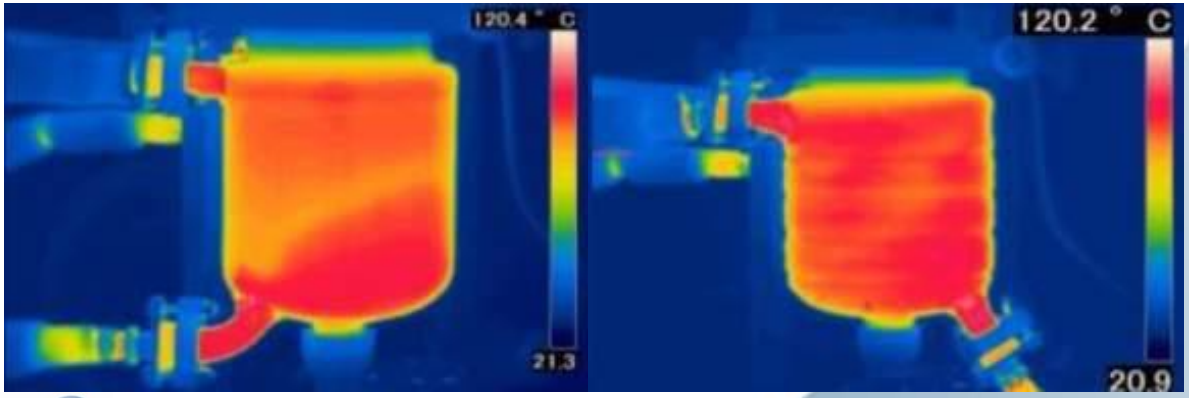


Note. Data from the AG! Test on 1L Double wall and Double wall with Ring Baffles Reactors with LAUDA RP890C (Silicone oil)

Typical Reactor

AG! Double Wall with Ring Baffles

Note. Data from the AG! Test on 1L Triple wall and Double Wall Reactors with LAUDA RP890C (Silicone oil)



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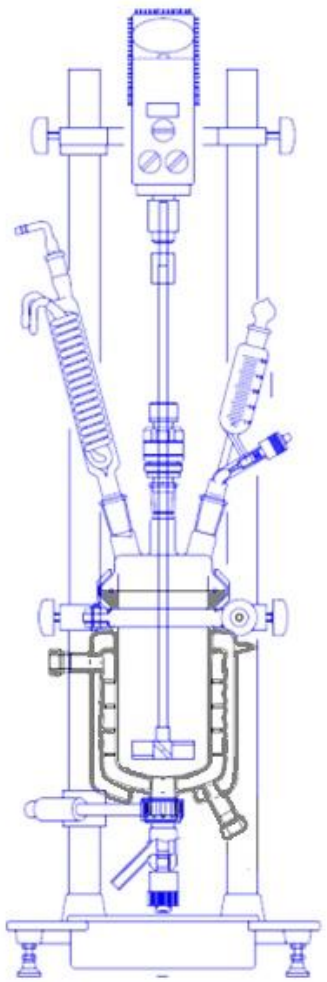
Time & cost saving



! Chassis

Need to scale up? → Change the vessel only!

X

! Easy Installing

No special tool needed to install AG! Bench-top Reactor

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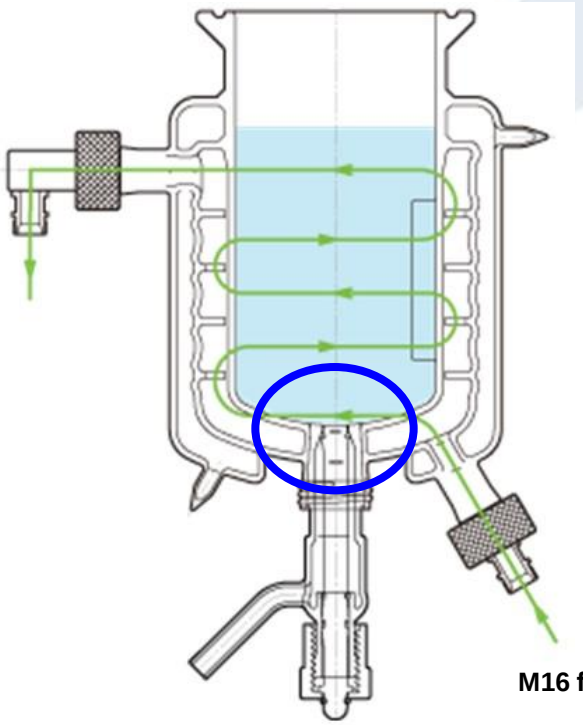
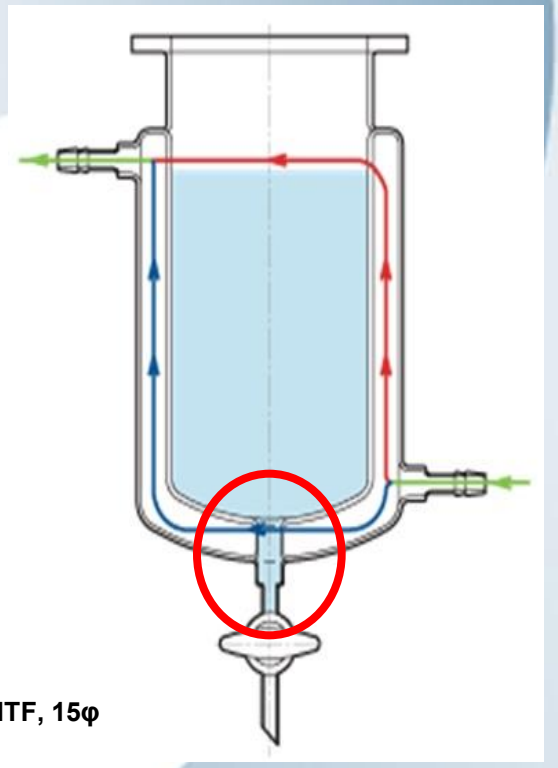
No dead space





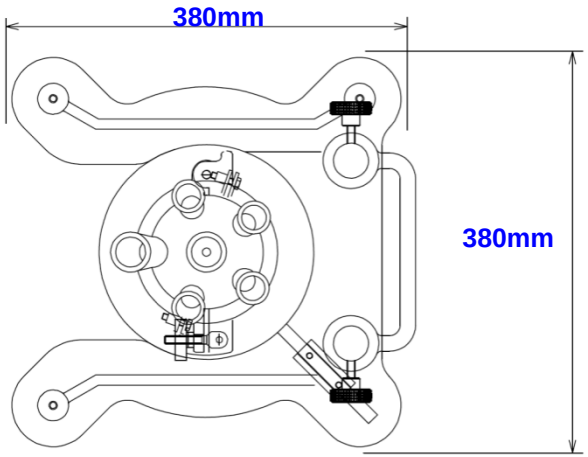
AG!

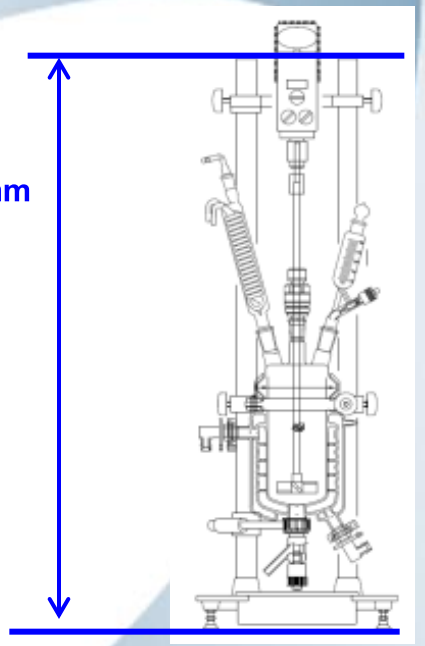
Leak-proof flush valve

Note.

Pressure Sensitive Spring Loaded Flush Valve Prevents Leakage

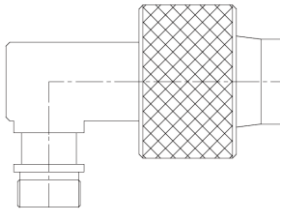
Compact design

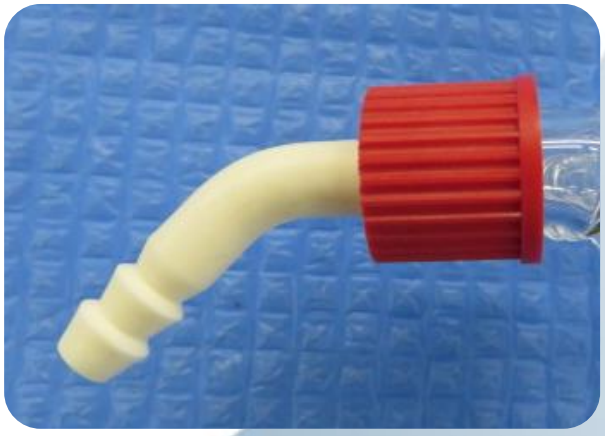




Perfect for those with limited space

Rigid inlet / outlet





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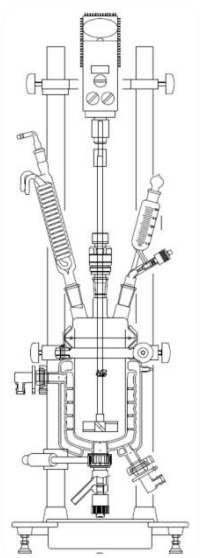
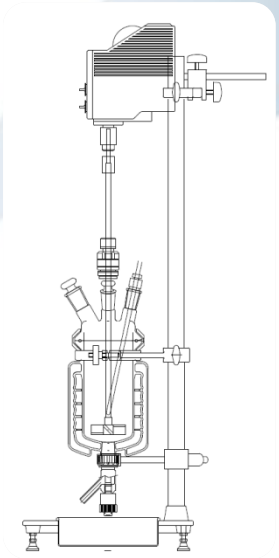
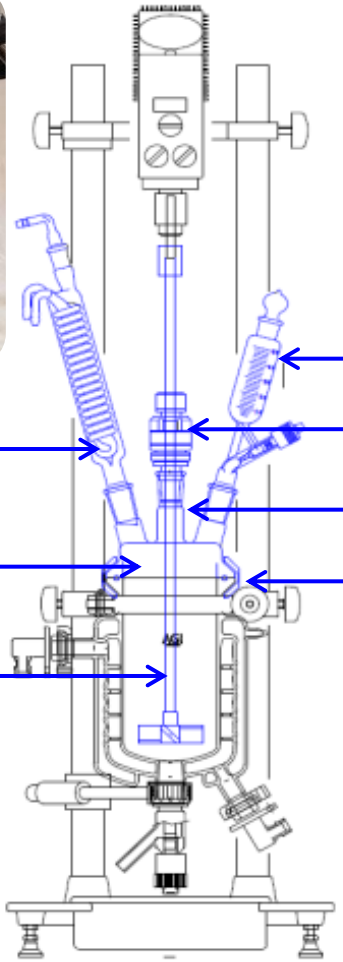
Complete package





Vessel	Flexible Coupling
Flush Valve	Temperature Probe Holder
Head (Glass Cover)	Temperature Sensor Probe
Quick Release Clamp	Condenser
O-ring	Vent Adapter
M16 for HTF	Dropping Funnel
PTFE Stir Bearing	Support Structure
PTFE Stir Shaft	

Complete package



Dropping Funnel

Mechanical Stir Bearing

Temperature probe and port

Quick Release Clamp

Condenser

Head (Glass Cover)

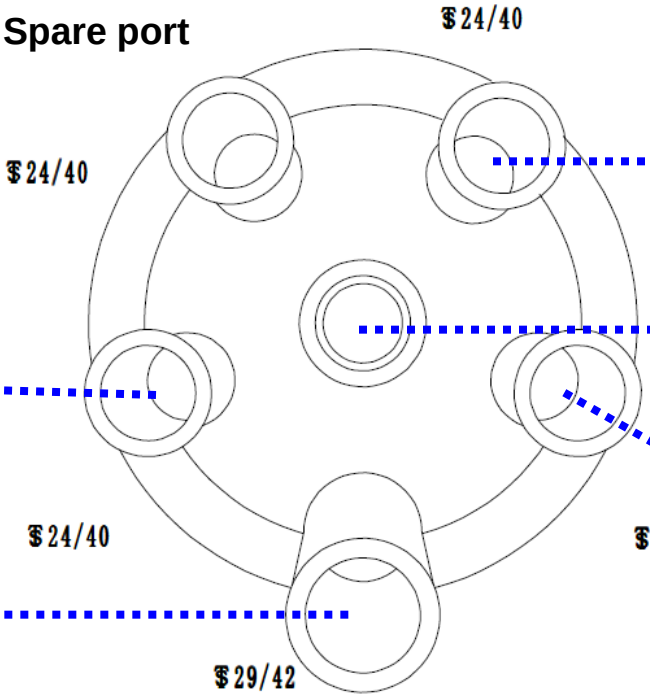
Stir Shaft

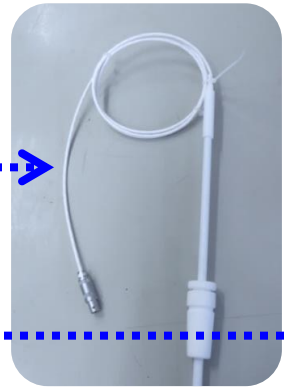
Complete package
Head configuration

Condenser
with vent adaptor

Temperature probe with
PTFE probe holder

Spare port



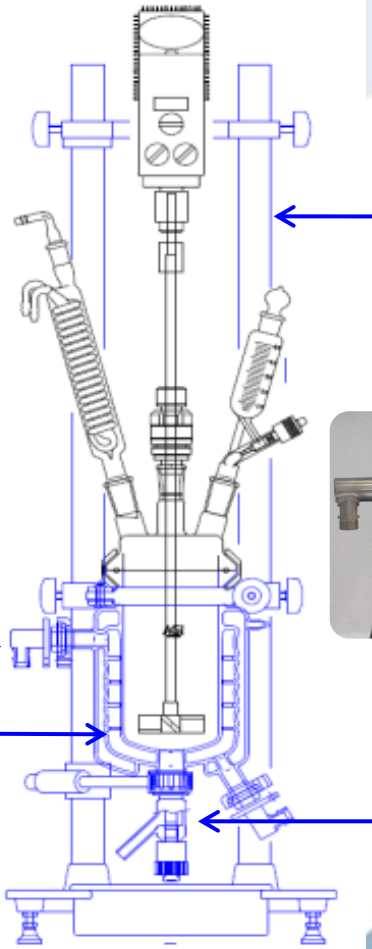


Filling port
for solid/liquid feed

PTFE Mechanical
Seal Bearing

Dropping funnel

Complete package
Vessel configuration



Support Structure

Inlet/Outlet Metal Adapter M16

Vessel

Bottom Flush Valve

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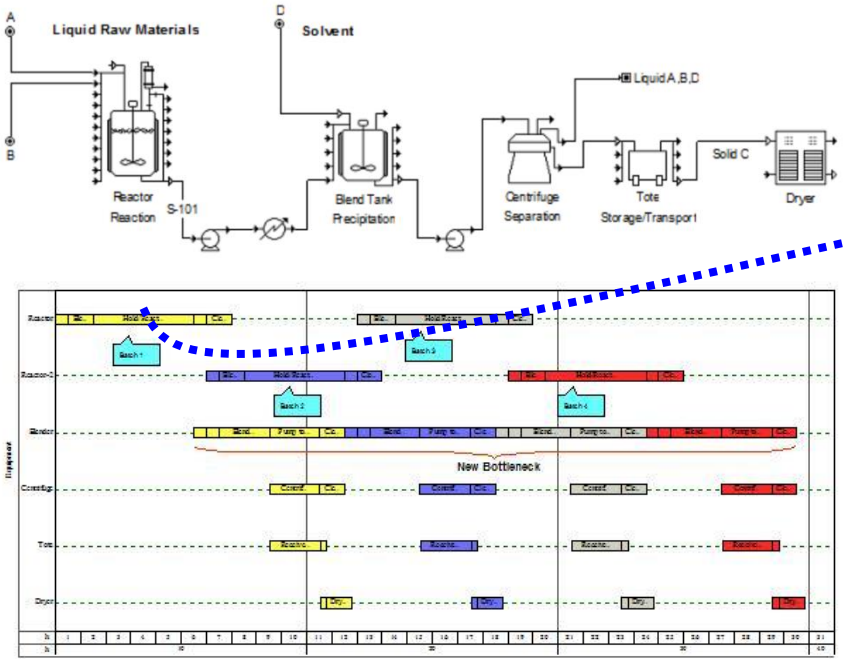
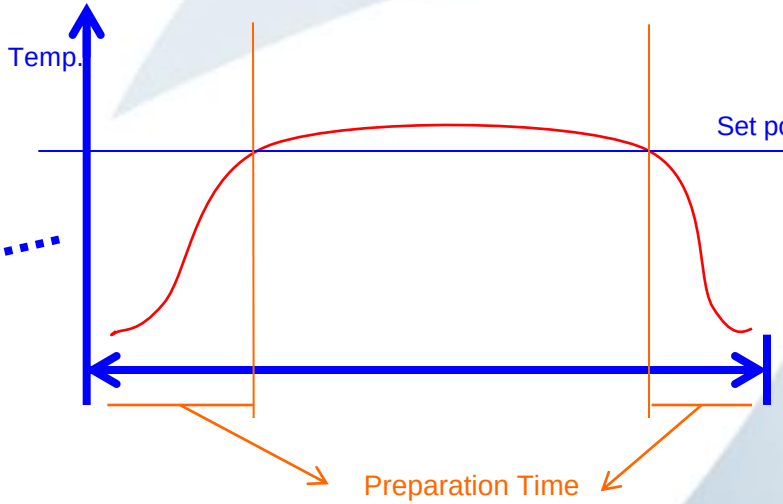
Save resources
How much time are you wasting?



Batch Scheduling Example

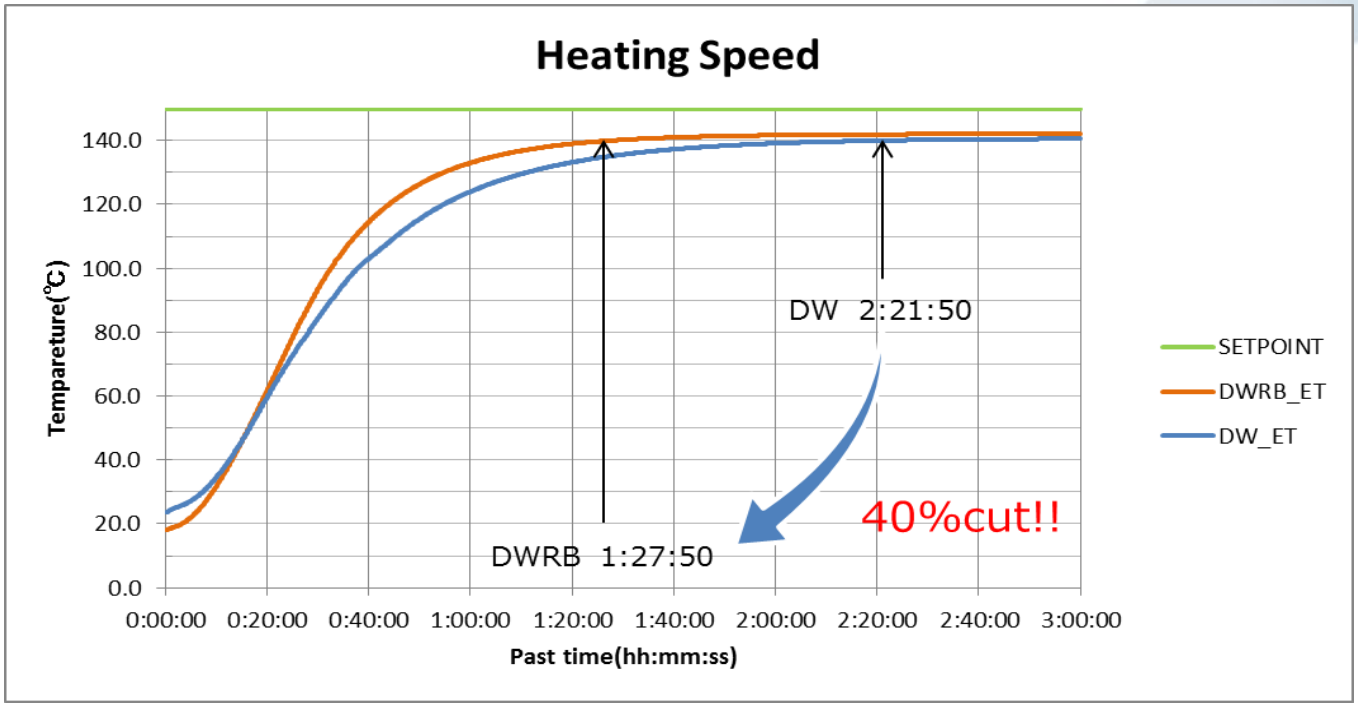


Longer Preparation Time =

Waste of Time, Human Resources and Utility Expense

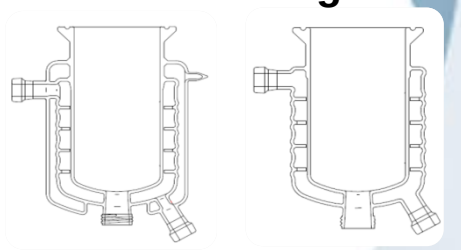
Most of all, that much of time loss on preparation equals less product (result).

Save resources



Note. Data from the AG! Test on 20L Double wall and Double wall with Ring Baffles Reactors with LAUDA RP890C (Silicone oil)

AG! Only
Glass Made Ring Baffles



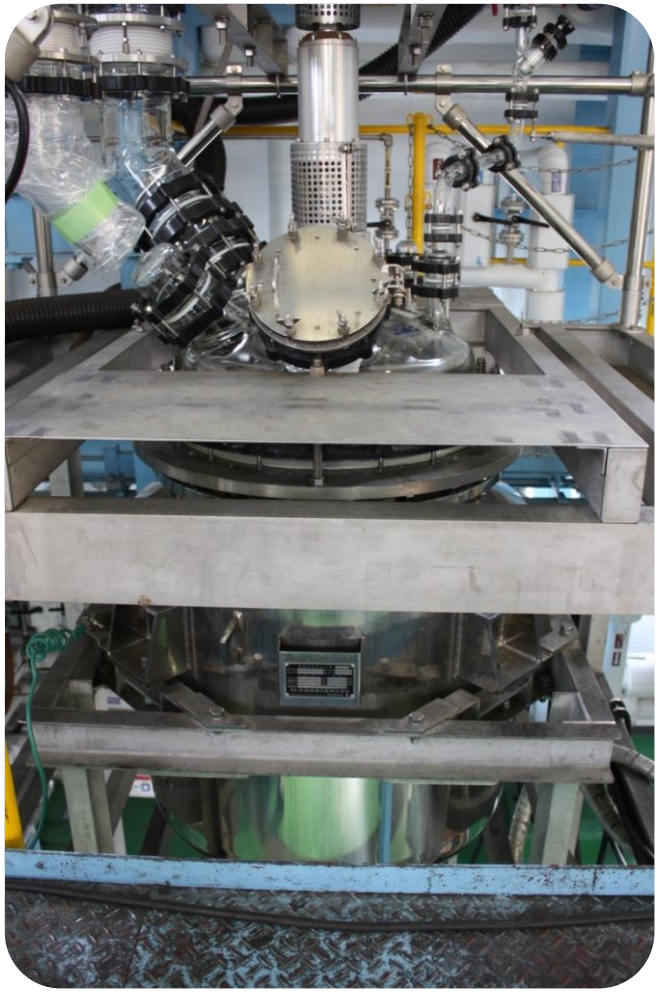
AG! Ring Baffles can save 40% of your time.
Make the best out of your process with our Ring Baffles.

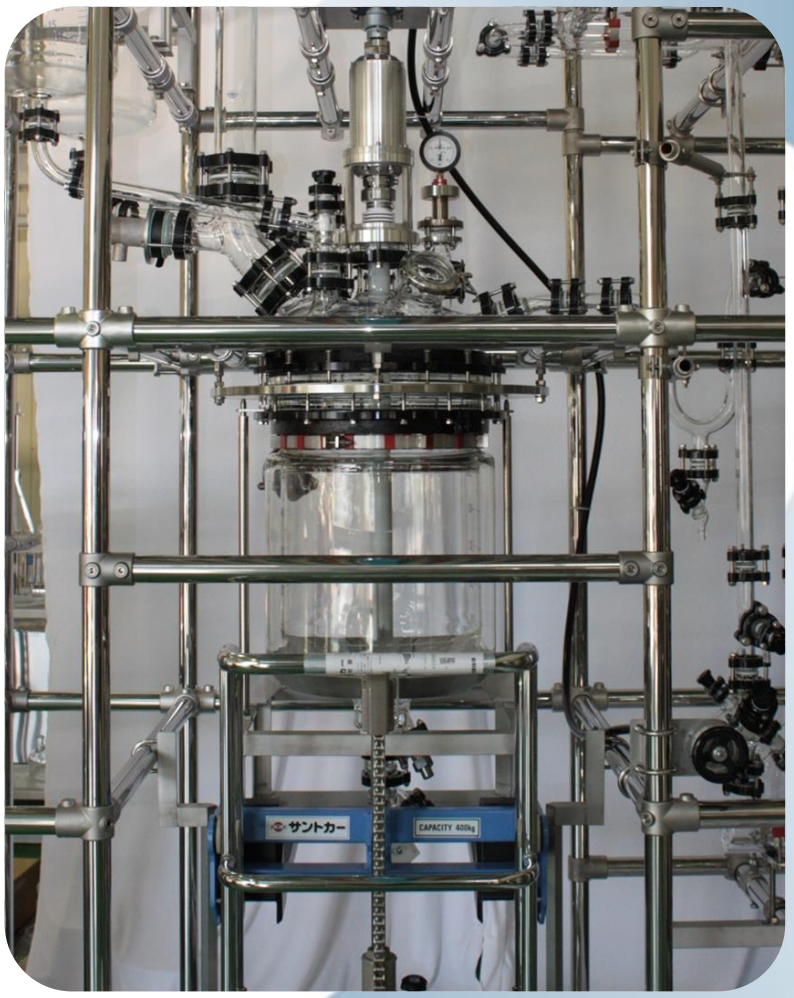
Flexible to upgrade & customise

Come and talk to us.
You, Asynt and AG! can find
a perfect solution together.

Asynt

Example of gold label reactor





Contact us

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