

Spin Coater Accessories 02



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Serving the Semiconductor Industry Since 1987

Apogee™ Spinner Accessories

Many accessories are available to enhance:

- Ease of use
- Performance and control
- Cleaning and maintenance

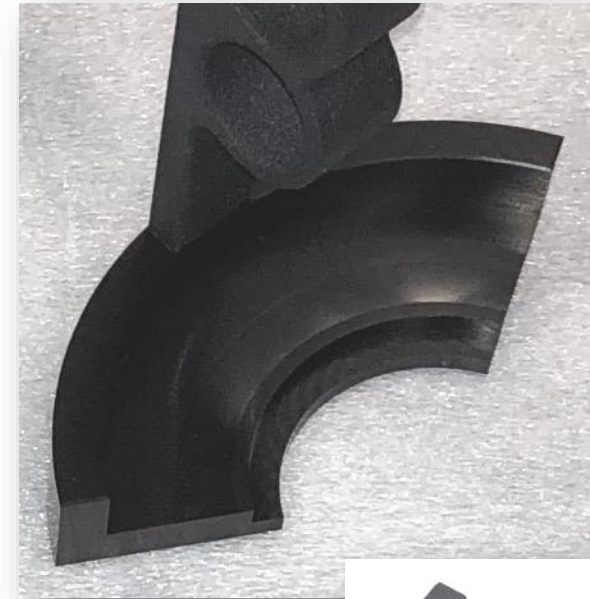
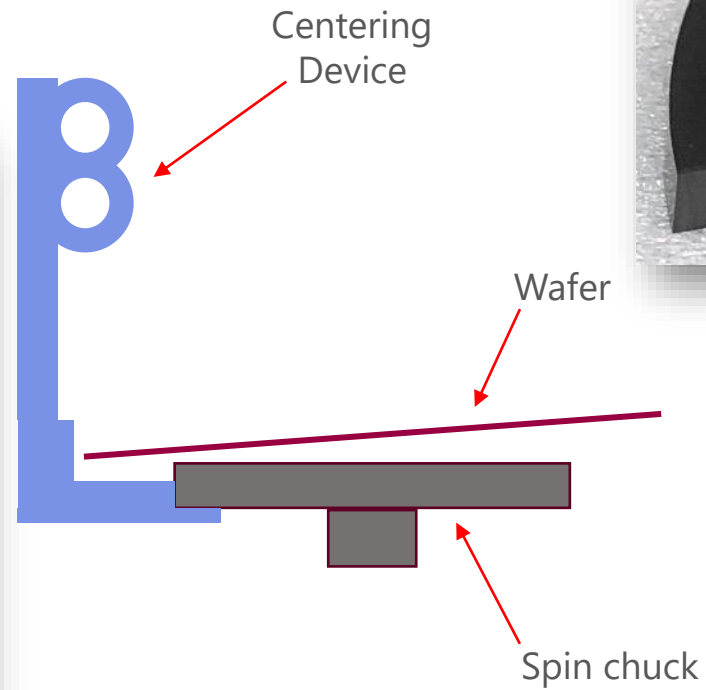
Most can be added later



Centering Devices

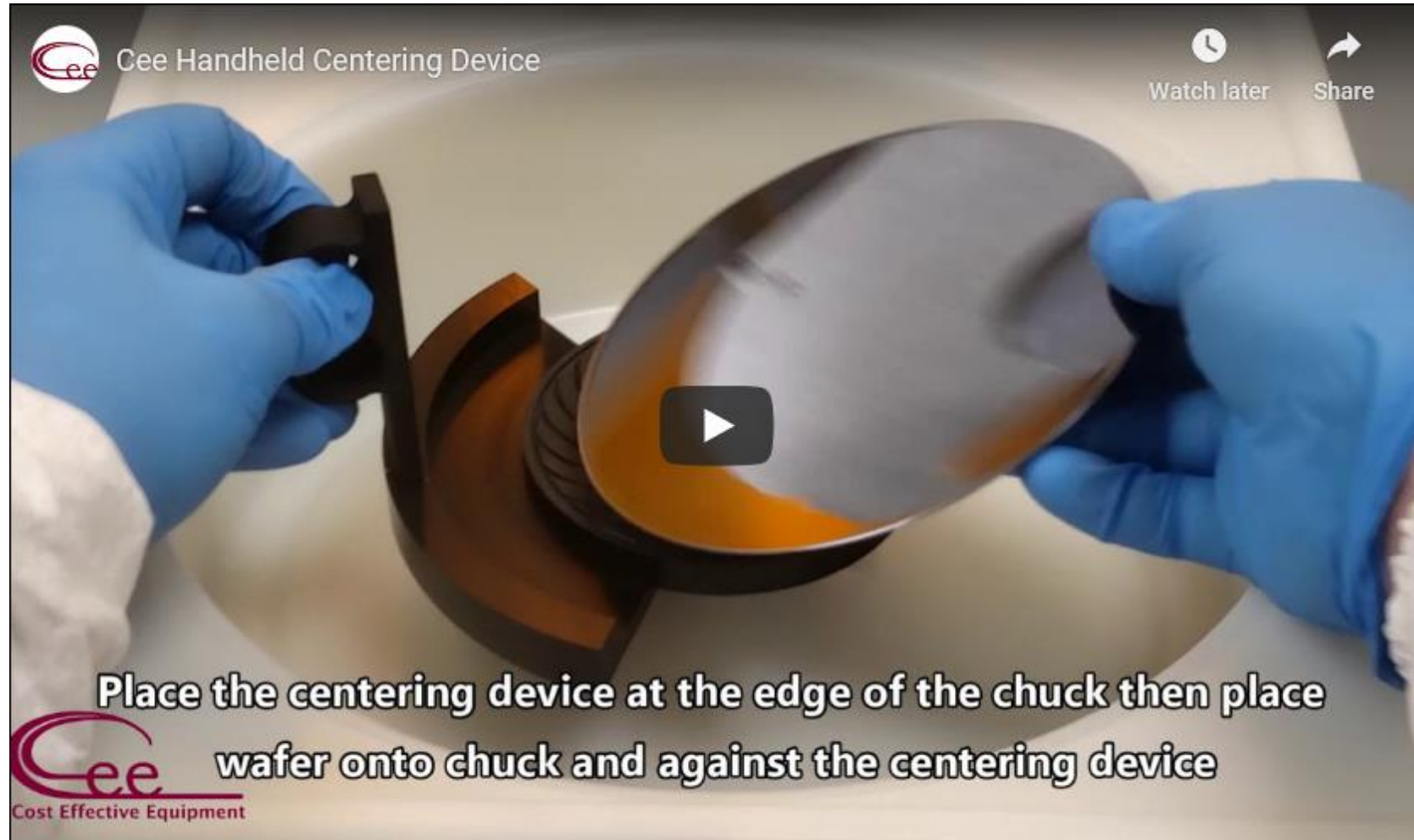
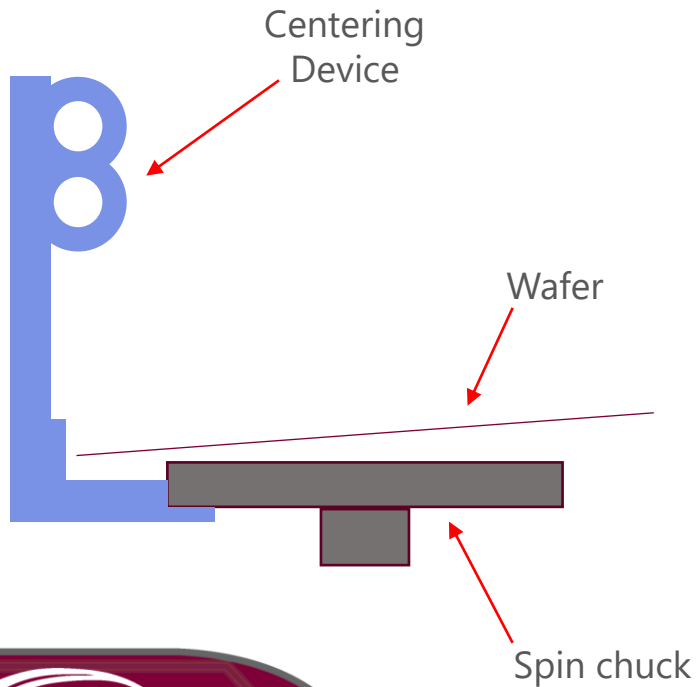
Available for all popular wafer sizes

- Custom sizes on request
- Easy to use
- Repeatable



Centering Devices

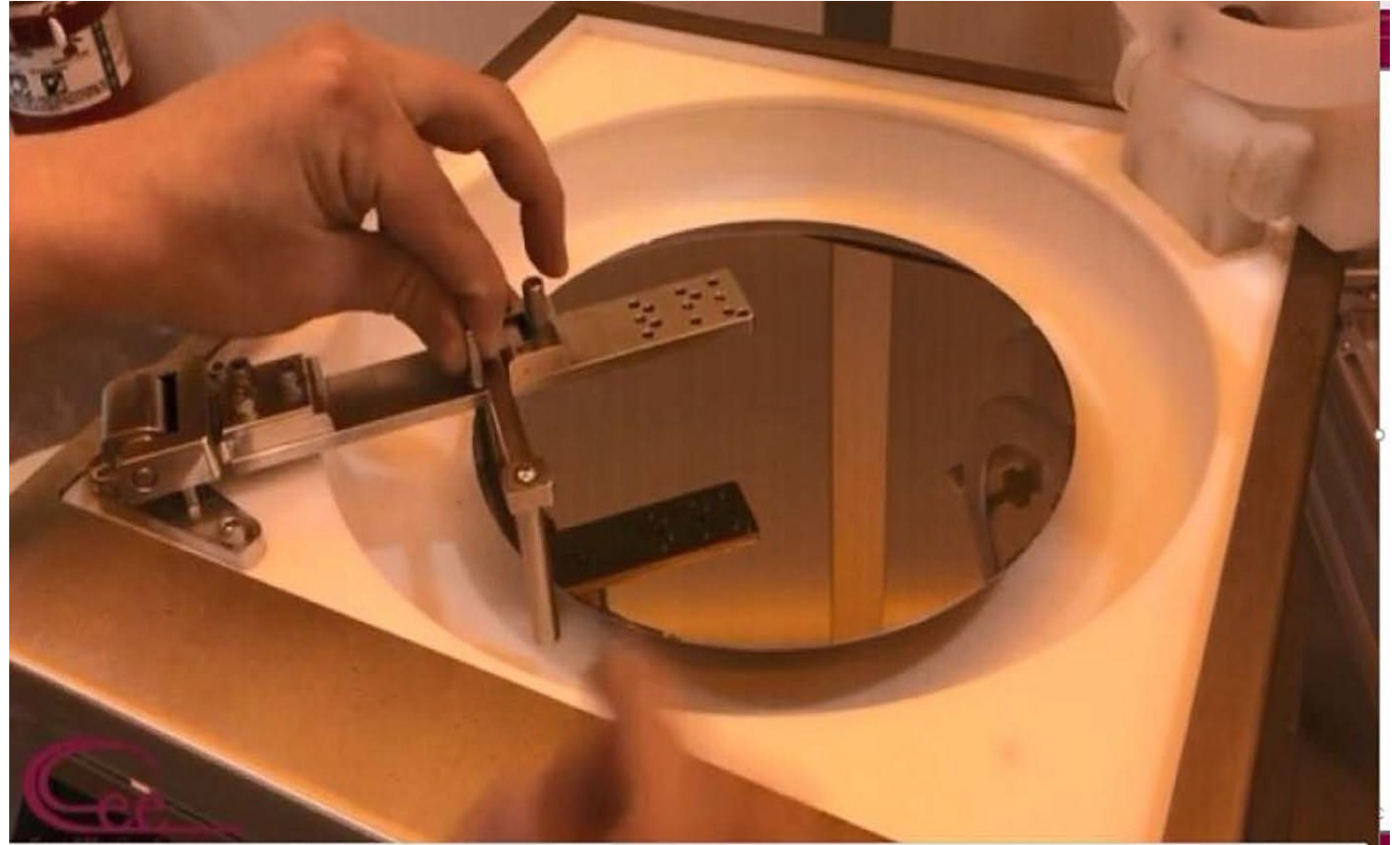
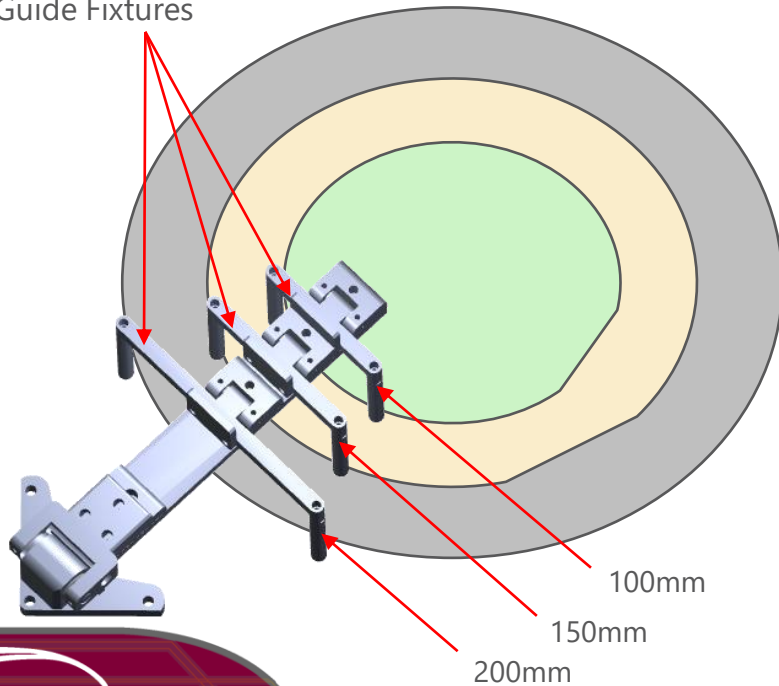
<https://www.youtube.com/watch?v=W3kV4bNnCYo>



Centering Arm

- Quick and easy to use
- Best for 1 or 2 wafer sizes
- Great for production use

Interchangeable Wafer Guide Fixtures



Spin Bowl Purge

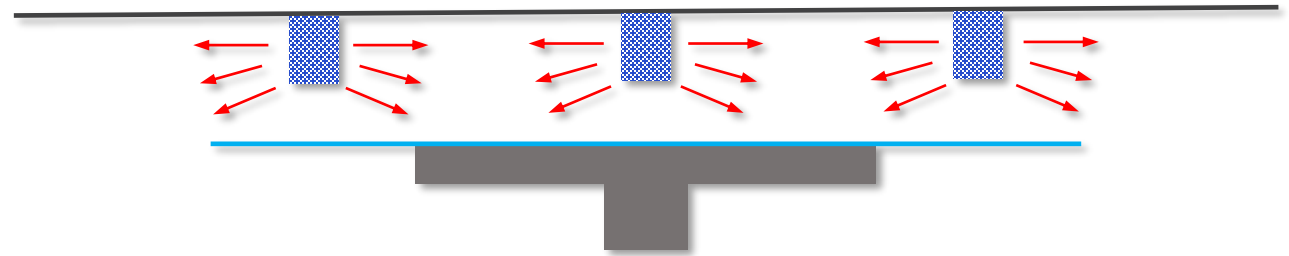
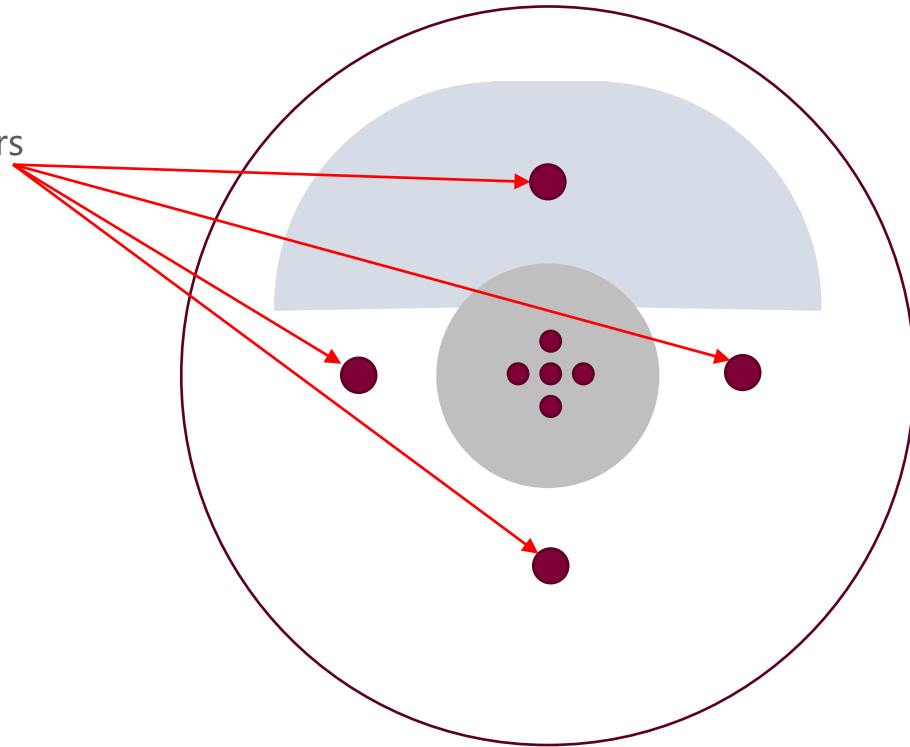
Used to reduce humidity or oxygen

Sintered metal diffusers

Manual or recipe controlled



4 gas diffusers



Bowl Liners

Custom made for the Apogee™ spin bowl

Thermoformed polypropylene

Disposable

Cleanable

Affordable (10-pack pricing)



Bowl Liners

<https://www.youtube.com/watch?v=hHWr2EZWJj>
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Programmable Exhaust

Provides recipe control of spin bowl exhaust

Control drying rate

Good for very thick films

Recipe line control

<https://www.costeffectiveequipment.com/service-support/technical-resources/solvent-vapor-control/>

Apogee Spinner Process Recipes About Tools - admin

Editor Controls

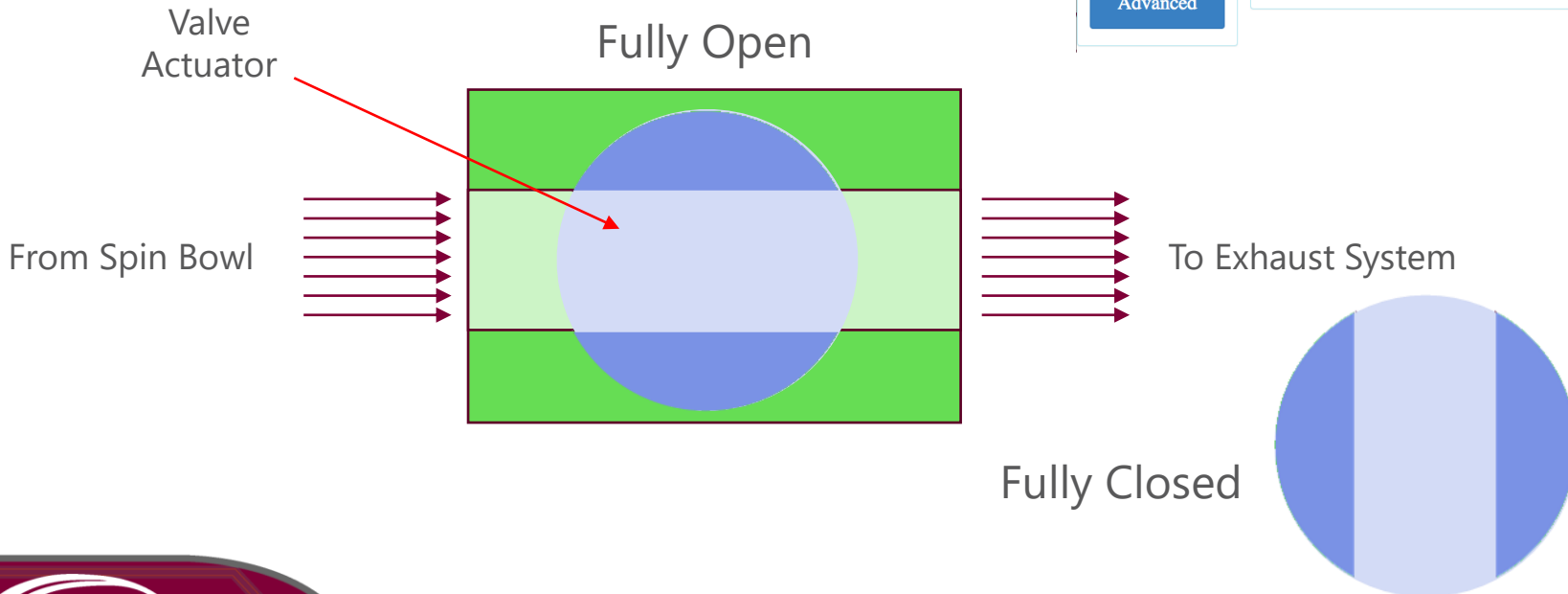
Save Cancel Insert ^ v Delete Advanced

Editing Recipe-

Name Thick_Resist_Coat_7 Force thick resist coat with EBR

Enable Chuck Vac

Step	Velocity (rpm)	Ramp (rpm/s)	Time (seconds)	Exhaust (%)	Dispenses
1	100	1000	3	25	1
2	475	300	5	60	None
3	4000	15000	30	100	None
4	250	15000	30	4	4
5	2500	15000	15	100	

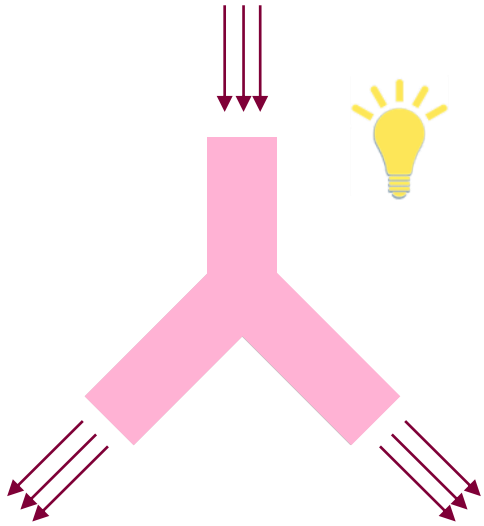


Drain Divertor Valve

Use to direct waste liquid flow between two paths

Mostly used on spin developer tools

Recipe control allows switch during process



Liquid Sensors

Waste Carboy Full Sensor

- Capacitive proximity sensor outside of container
- Prevents starting a recipe when full
- Eliminates messy overflows

Pressure Can Empty Sensor

- All Teflon wetted parts
- Adjustable
- Prevents starting a recipe when fluid level is low

