



DEDICATED TO DISCOVERY. INSPIRED BY INNOVATION. ...





OPTIONS/ACCESSORIES

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Epoxy Stainless Steel Type 304 Stainless Steel Type 316	
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| WORK SURFACES



Epoxy

915mm (36") wide fume hood	36-BMEP
1220mm (48") wide fume hood	48-BMEP
1525mm (60") wide fume hood	60-BMEP
1830mm (72") wide fume hood	72-BMEP
2440mm (96") wide fume hood	96-BMEP

Stainless Steel

- Work surfaces are fabricated from Type 316 OR Type 304 stainless steel, 16 gauge, number 4 finish.
- A raised 10mm (3/8") anti-spill edge is on all four sides.
- Sinks should be fabricated from the same material and can be integral welded into the work surface.
- It shall be reinforced on the underside by 16 gauge galvanized-steel channels spaced to prevent twisting, oil-canning or buckling.
- Overall thickness shall be 32mm (1 1/4").
- Material offers excellent heat and solvent resistance and good chemical resistance to most acids.
- Stainless steel is not recommended for use with chemicals such as 18 Hydrochloric Acid, Hydrofluoric Acid, and Sulphuric Acid to 80% solution. Work surface shall be factory installed.
- Work surface is factory installed.

Epoxy

- Work surfaces are moulded in one piece from a modified epoxy resin with a raised 10mm (3/8") anti-spill edge on all four sides and drip groove on the underside of the front edge.
- Front edge is radiused for more efficient airflow
- Overall thickness shall be 32mm (1 1/4").
- Material will offer good stain resistance and excellent chemical heat and moisture resistance.
- Sinks should be fabricated from the same material.
- Colour of top shall be black unless otherwise specified.
- Work surface is factory installed.



Stainless Steel – type 316

915mm (36") wide fume hood	36-BMSS-6
1220mm (48") wide fume hood	48-BMSS-6
1525mm (60") wide fume hood	60-BMSS-6
1830mm (72") wide fume hood	72-BMSS-6
2440mm (96") wide fume hood	96-BMSS-6

Stainless Steel – type 304

915mm (36") wide fume hood	36-BMSS-4
1220mm (48") wide fume hood	48-BMSS-4
1525mm (60") wide fume hood	60-BMSS-4
1183mm (72") wide fume hood	72-BMSS-4
2440mm (96") wide fume hood	96-BMSS-4

General Storage Cabinets, Steel Construction (-S)

- Are non-lined and have a full depth adjustable shelf.
- Cabinets are all-welded steel construction, are rigid and self supporting.
- The minimum metal gauges used in the casework fabrication shall be as follows and as recognized by North American standards:
 - o 11 gauge (3.2mm) for top and front rails
 - o 14 gauge (1.7 mm) for leveling devices
 - o 18 gauge (1.2mm) for all remaining cabinet component including cabinet frame and shelves.
- Leveling devices are installed on each corner and are accessible from the inside of the cabinet
- Cabinets are 535mm (21") deep.
- Also available 460mm deep (18").
- Also available in wood veneer construction (-W).



	880mm (34 3/4") high	825mm (32 1/2") high
	Stand-up Height	ADA Height
380mm wide (15")	No. A1-15 -S	No. ADA1-15 -S
460mm wide (18")	No. A1-18 -S	No. ADA1-18 -S
610mm wide (24")	No. A1-24 -S	No. ADA1-24 -S
760mm wide (30")	No. A2-30 -S	No. ADA2-30 -S
915mm wide (36")	No. A2-30 -S	No. ADA2-36 -S
1220mm wide (48")	No. A2-48 -S	No. ADA2-48 -S

	880mm (34 3/4") high	825mm (32 1/2") high
	Stand-up Height	ADA Height
460mm wide (18")	No. A25-18 -S	No. ADA25-18 -S
610mm wide (24")	No. A25-24 -S	No. ADA25-24 -S
760mm wide (30")	No. A25-30 -S	No. ADA25-30 -S
915mm wide (36")	No. A25-30 -S	No. ADA25-36 -S
1220mm wide (48")	No. A25-48 -S	No. ADA25-48 -S



Acid/Corrosive Storage Cabinets, Steel Construction (-S)

- Are designed and constructed for the storage of acids and corrosive chemicals, not flammable or combustible chemicals. Door fronts to be labeled "ACIDS" or "CORROSIVE".
- Cabinet exteriors are all-welded steel construction, are rigid and self-supporting.
- Interior lining is all welded one piece construction fabricated of 6mm (1/4") thick from white low-density polyethylene. Interior of doors are lined with the same material and have upper and lower vent slots.
- Shelf is reinforced, full depth, two position, high density polyethylene.
- The floor of the cabinet has a 25mm (1") anti-spill front edge.
- Cabinet will be provided with 40mm (1 1/2") PVC fittings and tubing for venting the cabinet into the fume hood.
- Leveling devices are installed on each corner and are accessible from the inside of the cabinet.
- Cabinets are 535mm (21") deep.
- Also available 460mm deep (18").
- Also available in wood veneer construction (-W).

| BASIC CABINETS

Stand-up Height	ADA Height
880mm wide (34 3/4") No. A23-18 -S	825mm (32 1/2") high No. ADA23-18 -S
610mm wide (24") No. A23-24 -S	No. ADA23-24 -S
760mm wide (30") No. A23-30 -S	No. ADA23-30 -S
915mm wide (36") No. A23-30 -S	No. ADA23-36 -S
1220mm wide (48") No. A23-48 -S	No. ADA23-48 -S



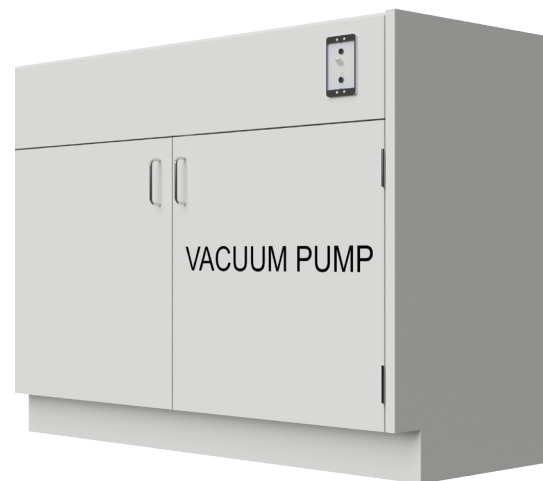
Solvent/Flammable Storage Cabinets, Steel Construction (-S)

- Designed for the storage flammable and combustible liquids and not for the storage of acids and corrosives.
- Door fronts to be labeled "FLAMMABLE- KEEP FIRE AWAY"
- Cabinets meet O.S.H.A. Standard 1910-106 (d)(3) and comply with NFPA 30 Flammable and Combustible Liquids. They are UL 1275/UL1275C UL labeled.
- Cabinets is fabricated from 1.2mm (18 gauge) steel with a baked electrostatic powder coating. The top, sides, floor and doors are double wall construction with fire-proof insulation between providing a 40mm (1 1/2") insulating air space all around.
- The floor is recessed 50mm (2") to contain spills.
- Doors are manual-closing with lever handle a three point locking devise. Self closing doors are optional
- Upper and lower air vents with spark arrestors and removable threaded covers are installed on the back of the cabinets.
- Cabinet is painted Caution Yellow.
- Cabinets are 535mm (21") deep. • Also available 460mm deep (18").
- Also available in wood veneer construction. (-W)

NOTE: It is not recommended to vent the cabinets into fume hood or fume hood exhaust ducting.

Pump Cabinets, Steel Construction (-S)

- Construction is to UL962A/CSA22.2 #203 certified.
- Leveling devices are installed on each corner and are accessible from the inside of the cabinet.
- Inside of cabinet (back, sides and top) are lined with CB-300 sound deadening insulation. To protect the sound deadening insulation, a perforated painted steel lining is welded to the cabinet doors, back, sides and top.
- A 100lb capacity full extension pull out pan on the bottom of the cabinet is standard.
- One duplex electrical outlet 120V/15-20 A is located on the inside back of the cabinet, one 15A pump switch with a 4.90A thermal overload is located on the exterior top panel of the cabinet.
- A 2" (51mm) diameter vent port at the top left corner of the cabinet back and a 1 1/2" (38mm) pipe on the back right side of the cabinet top for end-user supplied piping is standard.
- Cabinets are 535mm (21") deep.
- Optional "CPU" for additional venting available
- Also available 460mm deep (18").
- Also available in wood veneer construction (-W).



Stand-up Height	ADA Height
880mm (34 3/4") high No. A41-15 -S	825mm (32 1/2") high No. ADA41-15 -S
380mm wide (15") No. A41-18 -S	No. ADA41-18 -S
460mm wide (18") No. A41-24 -S	No. ADA41-24 -S
610mm wide (24") No. A41-30 -S	No. ADA41-30 -S
760mm wide (30") No. A41-30 -S	No. ADA41-36 -S
915mm wide (36") No. A41-30 -S	No. ADA41-48 -S
1220mm wide (48") No. A41-48 -S	

Factory installed service fixtures and fittings:

- Mechanical service fixtures and fittings are front loading type, factory installed and piped from valve to outlet in the fume hood.
- Rod type valve assemblies are also available
- Goosenecks and nozzles are colour coded to their handles in accordance with SEFA7 - 2018.
- Fittings are CSA and CGA approved

Valves

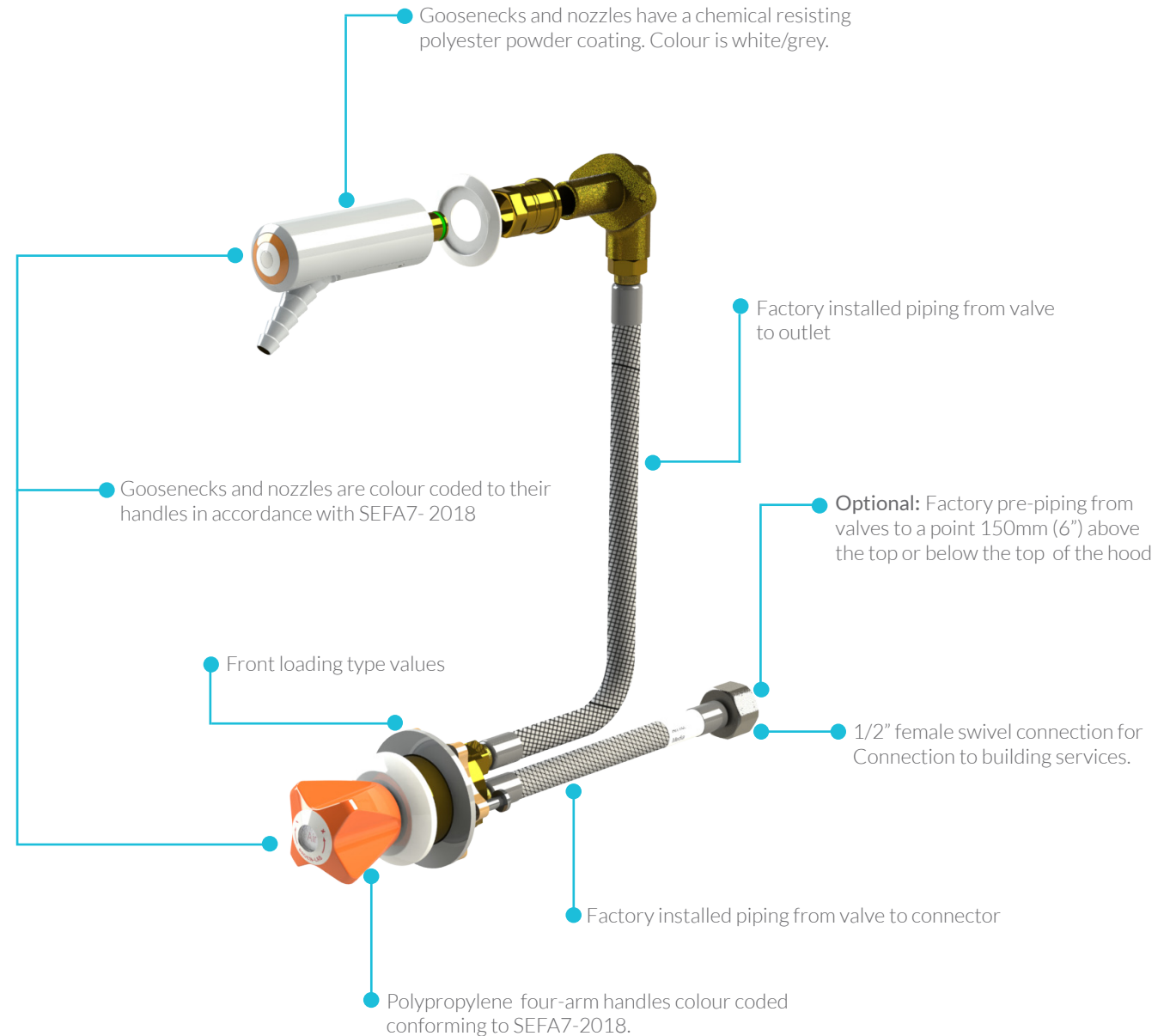
- Valve Bodies: One piece construction, cast or forged brass with a minimum copper content of 57%.
- Cold Water: Ceramic compression ball valve with double sealed Uniflex connection, 1X180 degree turn open to close.
- Technical Gases (except vacuum): Brass needle valve, 3X360 degree turn open to close. Double sealed Uniflex connection.
- Vacuum: Brass needle valves, 1/4 turn open to close function. Double sealed Uniflex connection.
- Burning gases: Brass needle valve, 1/4 turn open to close with Push-In POP-UP safety handle for visual safety.

Fixtures exposed to hood interior:

- One piece construction, cast or forged brass with a minimum copper content of 57%.
- Finish is a chemical resisting polyester powder coating. Colour is white/ grey.

Handles:

- Remote control handles: Polypropylene construction four-arm handle colour coded conforming to SEFA7-2018.
- Accessible Use (ADA): One hand operated remote control handles with brass ball valve, 1/4 turn open to close. Maximum pressure to active shall not exceed 5 pounds (22.2N).



| MECHANICAL SERVICE FIXTURES WATER



600-FL Cold water gooseneck
602-FL Hot water gooseneck



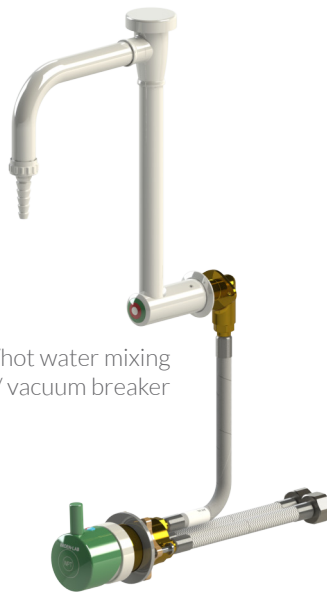
601-FL Cold water gooseneck
w/ vacuum breaker
603-FL Hot water gooseneck
w/ vacuum breaker



606-FL Cold water nozzle
607-FL Hot water nozzle
608-FL Cold/hot water mixing nozzle
609-FL Steam nozzle



604-FL Cold/hot water
mixing gooseneck



605-FL Cold/hot water mixing
gooseneck w/ vacuum breaker



610-FL Atmospheric
vacuum breaker



620-FL Burning gas



621-FL Air



622-FL Vacuum



623-FL Nitrogen

- 624-FL Carbon Dioxide
- 625-FL Hydrogen
- 626-FL Argon
- 627-FL Oxygen
- 628-FL Propane
- 629-FL Helium
- 630-RT Low Vacuum
- 635-FL Special gas (specify)
- 636-FL Special gas (specify)

| MECHANICAL SERVICE FIXTURE DISTILLED/REVERSE OSMOSIS WATER

Factory installed service fixtures and fittings:

- Mechanical service fixtures and fittings are front loading type, factory installed and piped from valve to outlet in the fume hood.
- Piping for low temperature water, 0°C to 65°C (Polyethylene and Polypropylene valves)
- Piping for high temperature water, 0°C to 90°C (Stainless steel valves and hoses)
- Goosenecks and nozzles are colour coded to their handles in accordance with SEFA7 - 2018.
- Fittings are CSA approved

Valves

- Valve Bodies: One piece construction, cast or forged brass with a minimum copper content of 57%.
- Ceramic compression ball valve?? with double sealed Uniflex connection, 1,5X360 degree turn open to close.

Material in contact with water:

- Polypropylene for low temperature water, 0°C to 65°C
- Type 316 stainless steel for high temperature, 0°C to 90°C

Fixtures exposed to hood interior:

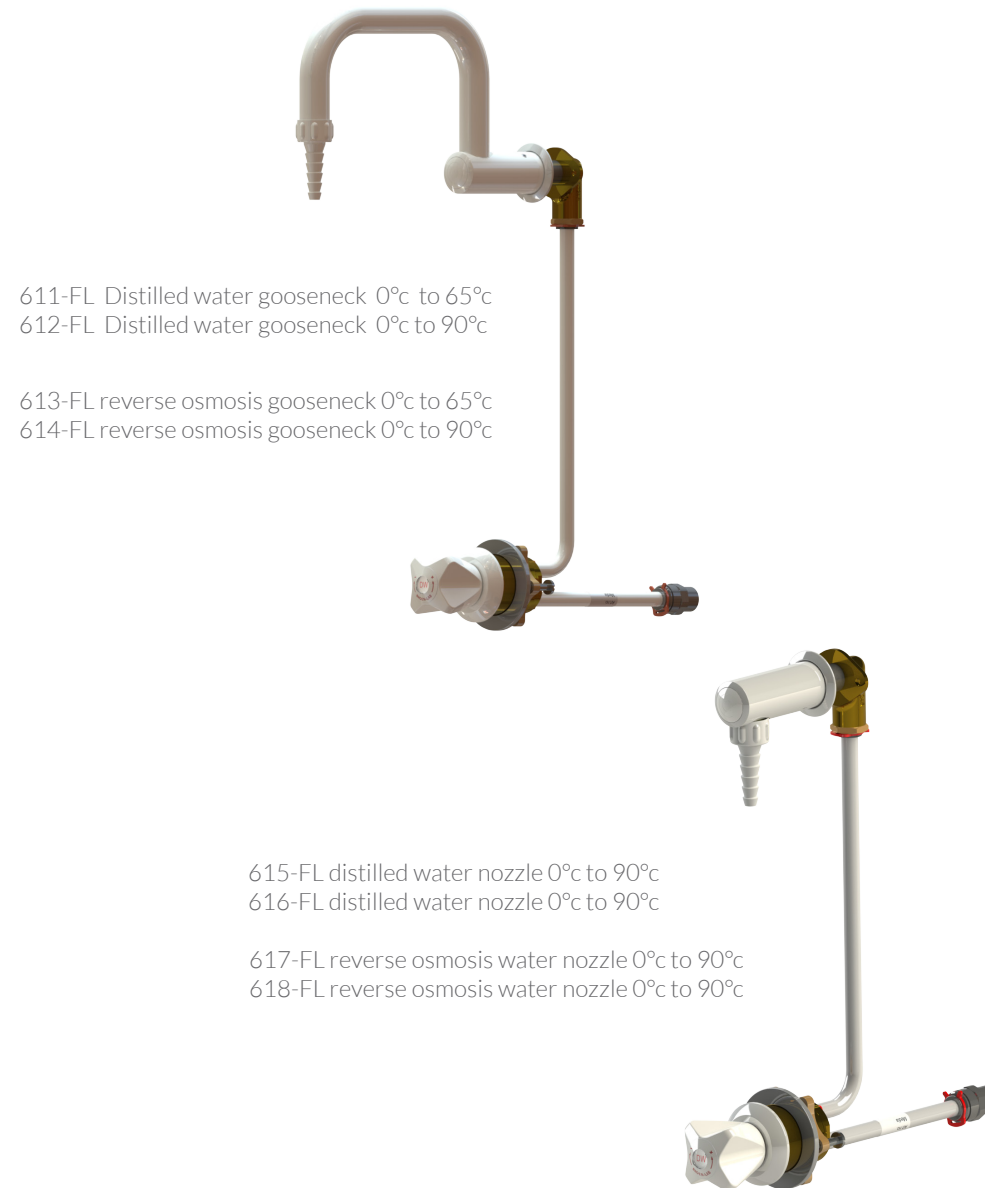
- One piece construction, cast or forged brass with a minimum copper content of 57%.
- Nozzles:
 - o Polypropylene for low temperature water, 0°C to 65°C
 - o Type 316 stainless steel for high temperature, 0°C to 90°C

Finish:

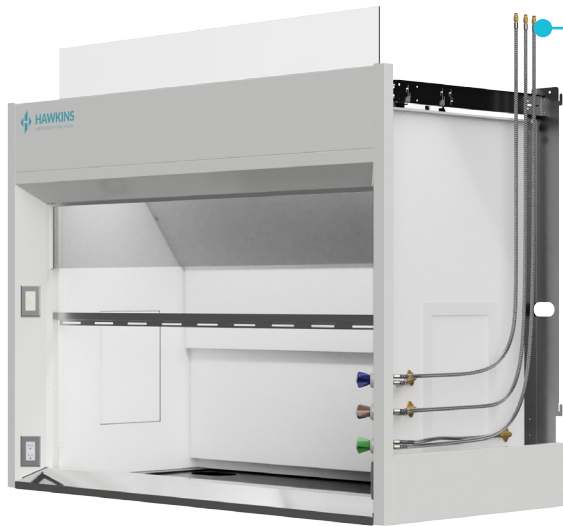
- Chemical resisting polyester powder coating. Colour is white/ grey.

Handles:

- Remote control handles: Polypropylene construction four-arm handle colour coded conforming to SEFA7-2018.
- Accessible Use (ADA): One hand operated remote control handles. 1/4 turn open to close. Maximum pressure to active shall not exceed 5 pounds (22.2N)..



| FACTORY PRE-PIPING | ACID STORAGE VENT KIT



Pre-piping 150 (6")
Above Hood

Factory Pre-Piping - Optional

- Pre-piping from valves to a point 150mm (6") above OR below the hood superstructure complete with 1/2" female nut connector for service connection.

Material:

- Water: SPX (Soft PEX-A) hose with stainless steel braiding. Outside diameter is 0.47" with a minimum inner bending radius of 1 37/64".
- Technical gases: SPX (Soft PEX-A) with (describe) stainless steel braiding. Outside diameter is 0.47" with a minimum inner bending radius of 1 37/64".
- Burning Gases: Corrugated type 316 Stainless steel hose. Outside diameter is 0.47" with a minimum inner bending radius of 0.33".

Pressure Ratings:

- Fittings are to be constructed to operate with the following maximum working pressure without leak or failure.
 - Water Fittings: 145 PSI
 - Non-Burning Gas: 145 PSI - 231 PSI
 - Burning Gases: 100 PSI
 - Special Water Fittings: 145 PSI
 - Oxygen Fittings: 145 PSI - 232 PSI



Pre-piping 150 (6")
Below Hood



Acid Storage Cabinet Vent Kit

- Designed to vent the acid storage base cabinet into the rear upper baffle area of the fumehood without perforating the work surface.
- Assembly consists of 40mm (1 1/2") diameter PVC tubing and PVC fittings.
- Tubing is connected to the back of the cabinet and the rear baffle area of the hood with PVC elbows and flanges.
- PVC tubing runs between the inside and outside wall of the fume hood superstructure.

| EPOXY SINKS AND POLYETHYLENE CUP SINKS

EPOXY SINKS AND CUP SINKS

- Moulded seamless epoxy construction. Standard colour is black. Grey and slate grey are optional colours.
- Sinks are Drop-in type with moulded rim. Can be flush mounted in the counter top or with raised rim 1/4" above the countertop surface.
- Waste fitting is polyethylene with 1 1/2" diameter threaded tail piece and strainer. Overflow tube is optional.

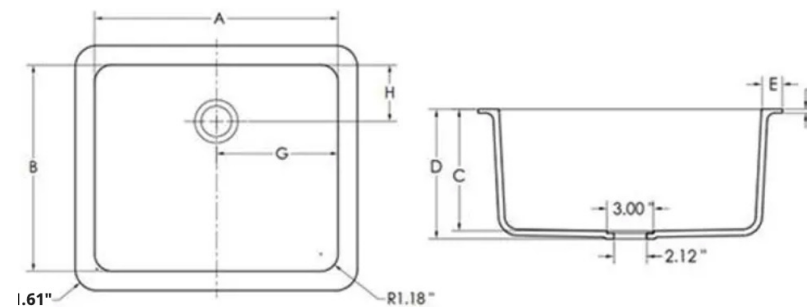


White, grey and slate grey are available to order with no up-charge.

Model	Internal Length	Internal Width	Internal Depth	External Height	Flange Width	Internal Thickness
	A	B	C	D	E	F
#3	12	8	8	9	0.8	0.3
#5A**	14	10	6	7	0.8	0.3
#10**	16	8	7	8	0.8	0.3
#15**	16	12	8	9	0.8	0.3
#25A	18	15	5	6	1.1	0.3
#25	18	15	8	9	1.1	0.3
#30**	18	15	11	12	0.8	0.3
#33**	21	17	10	11	0.8	0.3
#50	24	16	8	9	0.8	0.3
#55A	25	15	5	6	0.8	0.3
#55**	25	15	10	11	0.8	0.3
#59	28	15	12	13	0.8	0.3
#70	24	16	16	17	0.8	0.3

Available in black.

Model	Internal Length	Internal Width	Internal Depth	External Height	Flange Width	
S497	9	3	5.8	6	0.63	Deck Mount
S499	6	3	4.5	5	0.63	Deck Mount
S500	5.4" Diameter	5.4" Diameter	3.7	4	0.63	Deck Mount
S502	6	3	3.7	4	0.63	Wall Mount



- Stamped seamless construction, type 316, 20 gauge. Number 4 satin finish on exposed surfaces.
- All corners are radiused for ease of cleaning.
- Self rimming with integral rim. Can be integrally welded into stainless steel work surface.
- Undercoated for sound deadening and reduced condensation
- Waste fitting is a 3 1/2" crumb cup stainer with stopper and 1 1/2" diameter stainless steel tailpiece



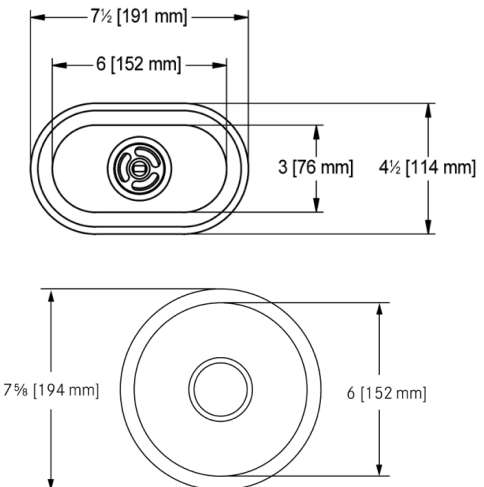
INSIDE DIMENSION

NO.SS1	14½" x 9½" x 7"
NO.SS3	16" x 14" x 10"
NO.SS4	18" x 16" x 7"
NO.SS5	18" x 16" x 10"



INSIDE DIMENSION

NO.SS30	6" x 3" Oval
NO.SS30	6" Diameter

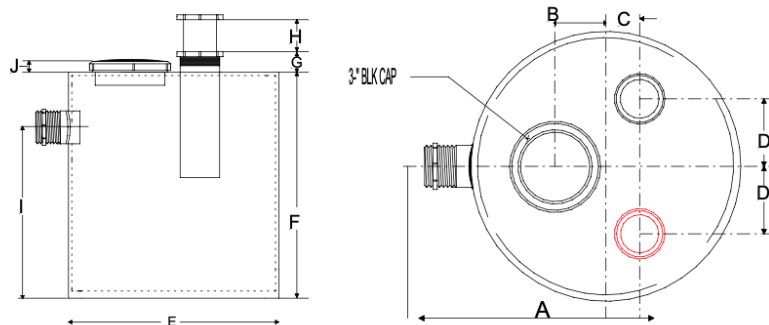


- Stamped seamless construction, type 316, 20 gauge. Number 4 satin finish on exposed surfaces.
- All corners are radiused for ease of cleaning.
- Self rimming with integral rim. Can be integrally welded into stainless steel work surface.
- Undercoated for sound deadening and reduced condensation
Stainer is built in with 1 1/2" diameter stainless steel tailpiece

| DILUTION TANKS

DILUTION TANK/TRAP - 2 GALLONS

- Design allows for easy fitting in tight spaces.
- Standard connections are 1-1/2" female threaded inlet and 1-1/2" male threaded outlet.
- A 3" cleanout is mounted on the tank top to facilitate inspection and maintenance.
- Single or dual inlets can be provided. The standard tank configuration is shown.
- May be used as sedimentation traps.



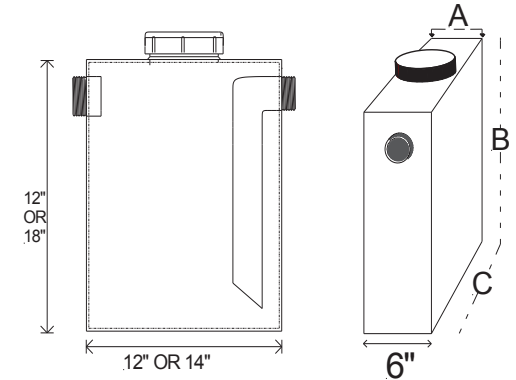
WHEN TANK IS ORDERED WITH 1 INLET
THE STD LOCATION IS MARKED IN RED.

COLOR	PART #	A	B	C	D	E	F	G	H	I	J	INLET	# OF INLET	OUT-LET
BLACK	W59155-200	7-5/16"	2-1/2"	3/16"	2-1/16"	9"	10-5/32"	1-15/16"	0-10"	6-13/16"	1-5/8"	1/2"	2	2"
BLACK	W59155-201	7-5/16"	2-1/2"	3/16"	2-1/16"	9"	10-5/32"	1-15/16"	0-10"	6-13/16"	1-5/8"	1/2"	1	2"
BLACK	W5915-202	7-5/16"	2-1/2"	3/16"	2-1/16"	9"	10-5/32"	1-15/16"	0-10"	6-13/16"	1-5/8"	2"	1	2"
BLACK	W59155-203	7-5/16"	2-1/2"	3/16"	2-1/16"	9"	10-5/32"	1-15/16"	0-10"	6-13/16"	1-5/8"	2"	2	2"

ALSO AVAILABLE IN TRANSLUCENT WHITE W59156

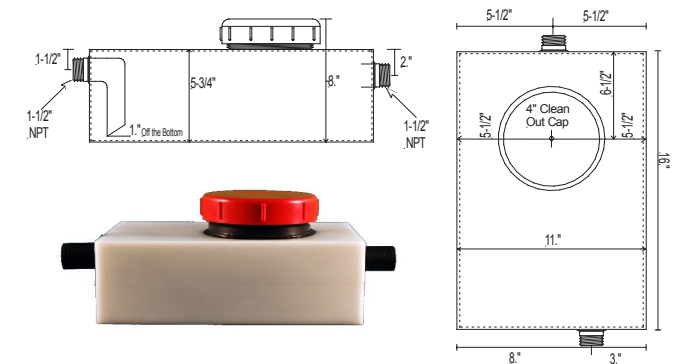
BOOKSHELF/BOILER TANK

Confined space tanks all dimensions are in inches



ONE PIECE ROTATIONALLY MOLDED
1 1/2" OR 2" MALE/FEMALE
OR PLAIN END INLET AND OUTLET
3" TOP CLEANOUT CAP

A	B	C	D= GALLONS	PART NUMBER
6"	12"	12"	3	W121206-001
6"	18"	14"	5	W181406-001





AFA 500

Model AFA500 factory installed low airflow monitor and alarm system.

- Built in sidewall airflow sensor for measuring and monitoring face velocity.
- Audible alarm with mute button.
- Visual alarm with Green LED = Safe and Red LED light = Alarm.
- Audible alarm can be silenced but Red LED will stay active until alarm condition is corrected.
- Single Alarm Point Capture pushbutton calibration.
- Relay input for Night Setback to mute audible alarm.
- Alarm is low voltage and is supplied with a transformer.

| LOW AIRFLOW ALARM MONITOR



AFA 1000

Model AFA1000 factory installed low airflow monitor and alarm system

- Built in sidewall airflow sensor for measuring and monitoring face velocity
- Back-lit LCD display.
- Digital face velocity display in fpm or m/s.
- Visual and audible alarms.
- Indicator display: Green LED = Safe, Amber LED = Caution, Red LED = Alarm
- Alarm Indiction: Red graphic with audible alarm.
- Audible alarm can be silenced but Red graphic will stay active until alarm condition is corrected.
- Two point alarm capture push button calibration.
- BACnet and Modbus on board available with optional comms adaptor.
- Alarm is low voltage and is supplied with a transformer.



AFA 4000

Model AFA4000/1 factory installed low airflow monitor and alarm system

- Built in sidewall airflow sensor for measuring and monitoring face velocity
- Full-colour 3.5" LCD display.
- Digital face velocity display in fpm or m/s.
- Visual and audible alarms.
- Graphic display: Green LED = Safe, Amber LED = Caution, Red LED = Alarm
- Alarm Indiction: Red graphic with audible alarm.
- Audible alarm can be silenced but Red graphic will stay active until alarm condition is corrected.
- Two point alarm capture pushbutton calibration.
- BACnet and Modbus on board available with optional comms adaptor.
- Alarm is low voltage and is supplied with a transformer.
- Compatible with TEL Variable Air Volume Auto Sash Return System

| DISTILLATION RACKING

Assemblies

- Nominal 300mm X 300mm (12" X 12") grid pattern
- Adjustable by users as apparatus requirement change
- Available in three materials to better suit user needs
- Available for bench mount and floor mount hoods
- Custom sizes to customer requirements

Stainless Steel, type 316, satin finish (S)

- ½" diameter stainless steel rounded edge type rods
- Open end style stainless steel clamps with set screw
- Stainless steel flanges with set screw

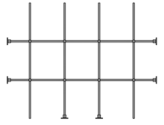
Aluminum, satin finish (A)

- ½" diameter aluminum rounded edge type rods
- Open end style aluminum clamps with set screw
- Aluminum flanges with set screw

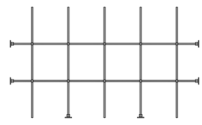
Plastic (P)

- ½" diameter white fiberglass rounded edge type rods
- Open end style black nylon clamps with set screw
- Black nylon flanges with set screw

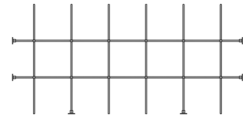
BENCH MOUNT



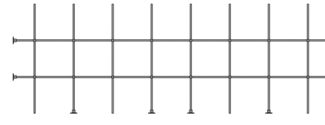
BMDR-48(A)
BMDR-48(S)
BMDR-48(P)



BMDR-60(A)
BMDR-60(S)
BMDR-60(P)

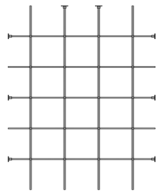


BMDR-72(A)
BMDR-72(S)
BMDR-72(P)

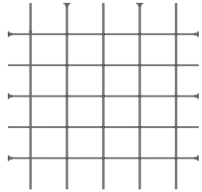


BMDR-96(A)
BMDR-96(S)
BMDR-96(P)

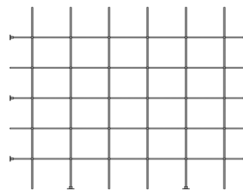
FLOOR MOUNT



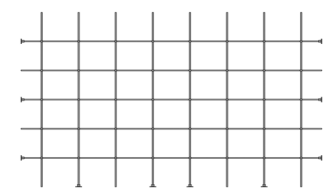
FMDR-48(A)
FMDR-48(S)
FMDR-48(P)



FMDR-60(A)
FMDR-60(S)
FMDR-60(P)



FMDR-72(A)
FMDR-72(S)
FMDR-72(P)



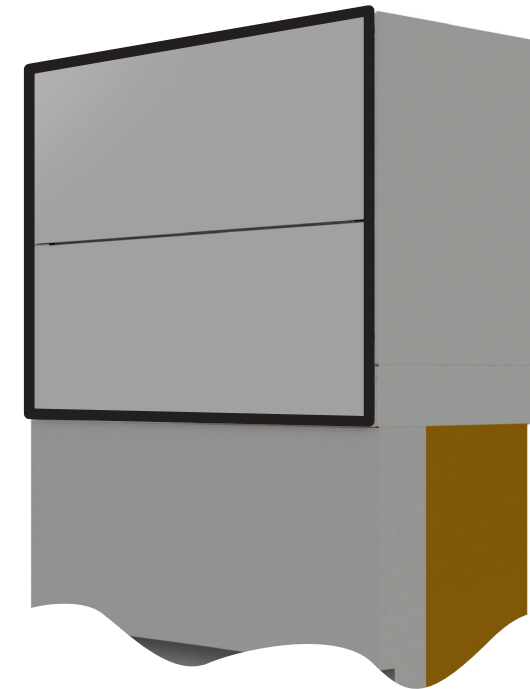
FMDR-96(A)
FMDR-96(S)
FMDR-96(P)





Ceiling Closure Panels

- Ceiling Closure Panels are intended to enclose the top of the fume hood to the underside of the ceiling, thereby hiding the exhaust ducting from view.
- Fabricated from the same material and gauge as the fume hood exterior.
- Panels are a set-back design to allow for proper bypass air operation and to allow for the removal of the fume hood front and side panels.
- Maximum height is 610mm (24").
- Colour to match fume hood exterior.

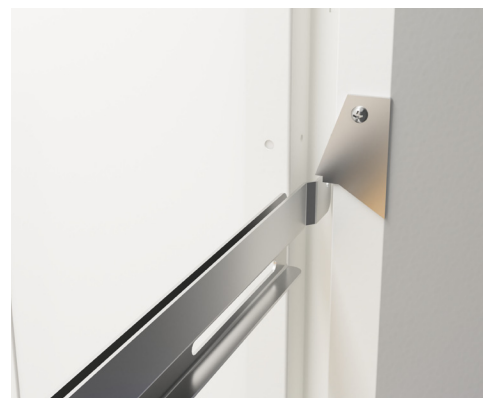


Finished Back Panels

- Finished Back Panels are intended to enclose the back of the fume hood when the hood is sitting on an island or peninsula cabinet assembly.
- Panels are a two-piece construction and are removable.
- Colour to match fume hood exterior.

Sash Stops

- Sash stops can be provided at the specified Sash Operating Height.
- They have a manual override when lowering the sash below the Sash Operating Height and an automatic reset when the sash is raised above the Sash Operating Height.



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