



5931 West Campus Circle Drive
Irving, Texas 75063
Phone: (972) 751-9400
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www.packexpolasvegas.com

C O - L O C A T E D



Healthcare+
PACKAGING
EXPO

September 27-29, 2021 • Las Vegas Convention Center

Plumbing Information

Discount Deadline:
August 9, 2021

1 General Information

Determine how many pieces of equipment will need to be connected to either Air, Water, Drain, or Natural Gas.

Outlet pricing includes the initial floor or overhead outlet, up to 100 feet of 1/4" to 1" standard hose, and the needed CFM's or BTU's (for Natural Gas). Floorwork, Tear Out and Final Connection labor are also included, as long as a detailed floor plan is submitted and connection time is confirmed by September 2, 2021. **Package pricing is based on ST labor for install/dismantle/hookup.**

Air and Water are set up for **two secondary services** within 15 feet of original service (floor option only). If further than 15 feet away, or if you need more than two additional locations, you must order another primary drop.

All services ordered need to order a hookup connection which includes the needed CFM's, labor to connect/remove all fittings and miscellaneous material for standard connections using nominal AM Std fittings for air, water, drain and natural gas. We do not supply Metric fittings for connections.

All connections from service to equipment will be performed by PES personnel only.

Inline booths and Peninsula booths will have service brought to center back at curtain line if no floor plan is submitted with order. Airline sizes must be confirmed when ordering. If size is not indicated with order, we will provide a minimal size of 1/4" nominal.

Island booths requesting service need to submit a detailed floor plan with order showing where services need to be installed. Without a floor plan, services could be delayed and additional costs incurred.

After initial services are installed, any changes to installation will be on a new labor ticket and materials order.

PES is not responsible for moisture, oil, water, drop or increase in pressure in lines to equipment. Exhibitors should provide their own filters, dryers or other equipment as needed.

No compressors are allowed on the show floor other than those supplied by PES.

PES reserves the right to size air services by supplied CFM's required for each outlet:

1/4" Line = 1 - 25 CFM
1/2" Line = 26 - 60 CFM
3/4" Line = 61 - 115 CFM
1" Line = 116 - 150 CFM

You must specify line size used per outlet when placing your order. Minimum line size for water and/or drain service is 1/2" nominal.

All air services shut down one (1) hour after the show closes.

PES is not responsible for discoloration, taste, sediment or drop in water pressure.

Pricing Excludes: Ramping which is a time and material cost, any applicable fees or taxes, any above and beyond the normal requests for hardware, specific brand products, pressure regulator valve installations, and/or major equipment/machinery retro fitting and assembly. **Any and all work requested to be done on OT, or any floor or booth work scheduled outside of the package scope of work, will be done at the published hourly labor rates and noted on change order or supplemental work tickets, which will be signed by the exhibitor(s) as the work is performed and completed.**

*****A floorplan is required for each air, water, gas or drain service. The floorplan needs to show what booths are on each side of exhibitor booth, and indicate where each air/gas line or outlet type is needing to be installed. The quantity of each outlet type ordered needs to match the floorplan. A correct floorplan needs to be submitted by 9/2/2021 or a \$500 fee will be added to your billing. Floorplan revisions after 9/2/2021 will also be considered late, and will be charged the \$500 late floorplan fee.*****

2 Plumbing Airline Sizes

1/4" Line = 1 - 25 CFM.



1/2" Line = 26 - 60 CFM.



3/4" Line = 61 - 115 CFM



1" Line = 115 - 150 CFM



Things to consider when selecting air line sizes:

- Base air line size needs off of your CFM requirements.
- To avoid possible safety/tripping hazards, if you order a line larger than 1/4", you may need to order carpet padding for under carpet lines; or consider overhead drops instead. Contact your Customer Account Manager for more information.

The available sources for plumbing service in each building location are as follows (see Floor Plan on page 8):

Building	Hall	Floor	Overhead
Central	C1 - C5	X	X
South Lower	S1, S2	X	X
South Upper	S3, S4	X	X
North	N1 - N4	X	X

ALL ISLAND BOOTHS WILL HAVE ATLEAST ONE (1) OVERHEAD DROP



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**Each outlet ordered requires a
hookup labor charge.**

**Please include this item when
submitting your order, or it will be
added to complete the order.**

Plumbing Service

**Discount Deadline:
August 9, 2021**

***Each outlet ordered requires a hookup labor charge. Please include this item when submitting your order.**

Pricing Includes: (a) Initial (1st) Floor or Overhead service outlet, (b) 100 feet of 1/4 inch to 1 inch standard hose (Air, Water, and Drain), (c) Scissor or condor lift to bring in service from overhead, (d) labor for initial location as determined by floor plan submitted, and (e) needed CFM's.

For pricing exclusions, see Plumbing Information on page 1/8.

Estimated* Date and Start Time for Hookup Labor: _____

***All Hookup Labor is on a Will Call basis. Check in at an Exhibitor Service Desk 24-hours prior to verify Hookup time.**

****Please see page 2/8 for whether Floor or Overhead Service is available in your hall.**

		Qty	Advanced Rate per Unit	Standard Rate per Unit	Total
1 Floor Compressed Air Service Only two secondary lines per primary line allowed. (90-100 PSI)	1/4" Primary Air Outlet, 1-25 CFM	X	\$1,090.30	\$1,557.60	=
	1/2" Primary Air Outlet, 26-70 CFM	X	\$1,090.30	\$1,557.60	=
	3/4" Primary Air Outlet, 71-115 CFM	X	\$1,199.35	\$1,713.35	=
	1" Primary Air Outlet, 116 and over CFM	X	\$1,199.35	\$1,713.35	=
	Secondary Air Outlets (w/in 15' of Primary Air Outlet)	X	\$ 524.10	\$ 748.65	=
	*Floor Outlet Hookup Labor (includes Tear Out)	X	N/A	\$ 284.45	=
	Standard connection is a 1/4" AMFLO C-1 quick disconnect.				
NOTE: Our Plumbing Department will not be responsible for moisture or water in air lines. Exhibitors should supply their own filter or other equipment to handle moisture or water.					

2 Overhead Compressed Air Service NO secondary lines can be run from Overhead Service.	1/4" Primary Air Outlet, 1-25 CFM	X	\$1,090.30	\$1,557.60	=
	1/2" Primary Air Outlet, 26-70 CFM	X	\$1,090.30	\$1,557.60	=
	3/4" Primary Air Outlet, 71-115 CFM	X	\$1,199.35	\$1,713.35	=
	1" Primary Air Outlet, 116 and over CFM	X	\$1,199.35	\$1,713.35	=
	*Overhead Outlet Hookup Labor (includes Tear Out)	X	N/A	\$ 284.45	=
	Standard connection is a 1/4" AMFLO C-1 quick disconnect.				
	NOTE: Our Plumbing Department will not be responsible for moisture or water in air lines. Exhibitors should supply their own filter or other equipment to handle moisture or water.				

ALL ISLAND BOOTHS WILL HAVE ATLEAST ONE (1) OVERHEAD DROP

Cancellation Policy: No penalty for cancellations prior to installation. Cancellations received after installation will be billed at 100%. Refer to the show Terms and Conditions for additional information.

ADDITIONAL INFORMATION

An air and water floor plan must be provided with this order.
See page 7/8.

____ Attached
____ To Follow *(Must be received by Disc. Deadline for Advance Rate)*
____ Standard Location

CALCULATING YOUR TOTAL

Service Subtotal _____
Outlet Labor Hookup Fees Subtotal _____
(Transfer Subtotals to page 6/8.)

Exhibiting Company: _____

Print Name: _____

Authorizer's Signature: _____

Booth Number: _____

Date: _____



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Each outlet ordered requires a hookup labor charge.

Please include this item when submitting your order, or it will be added to complete the order.

Plumbing Service Cont.

**Discount Deadline:
August 9, 2021**

***Each outlet ordered requires a hookup labor charge. Please include this item when submitting your order.**

Pricing Includes: (a) Initial (1st) Floor or Overhead service outlet, (b) 100 feet of 1/4 inch to 1 inch standard hose (Air, Water, and Drain), (c) Scissor or condor lift to bring in service from overhead, (d) labor for initial location as determined by floor plan submitted, and (e) needed CFM's.

For pricing exclusions, see Plumbing Information on page 1/8.

Estimated* Date and Start Time for Hookup Labor: _____

***All Hookup Labor is on a Will Call basis. Check in at an Exhibitor Service Desk 24-hours prior to verify Hookup time.**

		Qty	Advanced Rate per Unit	Standard Rate per Unit	Total
3	Water Service				
	Primary Water Outlet	X	\$1,253.65	\$1,790.95	=
	Secondary Water Outlet (within 15' of Primary Water Outlet)	X	\$ 545.70	\$ 779.60	=
	*Outlet Hookup Labor (includes Tear Out)	X	N/A	\$ 284.45	=
4	Drain Service				
	Drain Outlet	X	\$1,253.65	\$1,790.95	=
	*Outlet Hookup Labor (includes Tear Out)	X	N/A	\$ 284.45	=
5	Fill and Drain Service				
	0 - 50 Gallons	X	\$ 147.85	\$ 211.25	=
	51 - 200 Gallons	X	\$ 580.35	\$ 829.10	=
	201 - 400 Gallons	X	\$ 822.25	\$1,174.65	=
	Each Additional 100 Gallons (after 400 Gallons)	X	\$ 58.65	\$ 83.75	=
	Fill and drain pricing does not include labor. There is a minimum of 1 hour labor for fill and 1 hour labor for drains. Additional labor and material charges may be incurred if equipment leaks and/or damages other property.				

Ramps over utility lines in a booth are provided on a time and material basis. A minimum of one half (1/2) hour additional labor charge will apply to run lines under the carpet. A minimum of one half (1/2) hour labor will apply to remove lines. Please attach floor plan with order to show location of lines.

Cancellation Policy: No penalty for cancellations prior to installation. Cancellations received after installation will be billed at 100%. Refer to the show Terms and Conditions for additional information.

ADDITIONAL INFORMATION	CALCULATING YOUR TOTAL
An air and water floor plan must be provided with this order. See page 7/8. ____ Attached ____ To Follow <i>(Must be received by Disc. Deadline for Advance Rate)</i> ____ Standard Location	Service Subtotal _____ Outlet Labor Hookup Fees Subtotal _____ (Transfer Subtotals to page 6/8.)

Exhibiting Company: _____
Print Name: _____
Authorizer's Signature: _____

Booth Number: _____
Date: _____



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Plumbing Service Cont.

**Discount Deadline:
August 9, 2021**

***Each outlet ordered requires a hookup labor charge. Please include this item when submitting your order.**

Pricing Includes: (a) Initial (1st) Floor or Overhead service outlet, (b) 100 feet of 1/4 inch to 1 inch standard hose (Gas), (c) Scissor or condor lift to bring in service from overhead, (d) labor for initial location as determined by floor plan submitted, and (e) needed BTU's.

For pricing exclusions, see Plumbing Information on page 1/8.

Estimated* Date and Start Time for Hookup Labor: _____

***All Hookup Labor is on a Will Call basis. Check in at an Exhibitor Service Desk 24-hours prior to verify Hookup time.**

		Qty	Advanced Rate per Unit	Standard Rate per Unit	Total
6 Natural Gas Service	Natural Gas Line	X	\$1,253.65	\$1,790.95	=
	*Primary Outlet Hookup Labor (includes Tear Out)	X	N/A	\$ 284.45	=
	BTU's Needed				
7 Gases and Misc. Equipment	Rental tax of 8.375% applies to equipment and material.				
	Gas Type _____	X	Please call	Please call	=
	Equipment/Material _____	X	Please call	Please call	=
Quoted price will include rental price of bottle and delivery/pickup labor. Daily removal labor may apply.					

Ramps over utility lines in a booth are provided on a time and material basis. A minimum of one half (1/2) hour additional labor charge will apply to run lines under the carpet. A minimum of one half (1/2) hour labor will apply to remove lines. Please attach floor plan with order to show location of lines.

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ADDITIONAL INFORMATION

An air and water floor plan must be provided with this order.
See page 7/8.

____ Attached
____ To Follow *(Must be received by Disc. Deadline for Advance Rate)*
____ Standard Location

CALCULATING YOUR TOTAL

Service Subtotal _____
Outlet Labor Hookup Fees Subtotal _____
(Transfer Subtotals to page 6/8.)

Exhibiting Company: _____

Print Name: _____

Authorizer's Signature: _____

Booth Number: _____

Date: _____



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Pricing Excludes: Ramping which is time and material cost, any applicable fees or taxes, any above and beyond the normal requests for hardware, specific brand products, pressure regulator valve installations and or major equipment/machinery retro fitting and assembly.

****Any and all work requested to be done on OT, or any floor or booth work scheduled outside of the package scope of work, will be done at the published hourly labor rates and noted on change order or supplemental work tickets, which will be signed by the exhibitor(s) as the work is performed and completed.**

Estimated* Date and Start Time for Hookup Labor: _____

***All Hookup Labor is on a Will Call basis. Check in at an Exhibitor Service Desk 24-hours prior to verify hookup time.**

		Qty	Standard Rate per Unit	Total
8 Labor Rates** (Discount Rates Do Not Apply to Labor)	Tax not applicable.			
	Plumbing Labor (Floor) - ST	X	\$ 122.50	=
	Plumbing Labor (Floor) - OT	X	\$ 242.85	=
	Plumbing Labor (Condor and Crew) - ST	X	\$ 597.70	=
	Plumbing Labor (Condor and Crew) - OT	X	\$ 842.75	=
	Straight Time: Monday through Friday, 8:00 a.m. - 4:30 p.m. Overtime: Monday through Friday, 4:30 p.m. - 8:00 a.m.; All Day Saturday, Sunday and Holidays			
	<input type="checkbox"/> Okay to Proceed.			
	<input type="checkbox"/> Wait for Exhibitor - Onsite Contact Name & Cell # _____			

Procedure	Date	Start	End	# of Men	# of Hrs.	Total Man Hrs.	Rate	Amount
Installation								
Dismantle								

Ramps over utility lines in a booth are provided on a time and material basis. A minimum of one half (1/2) hour additional labor charge will apply to run lines under the carpet. A minimum of one half (1/2) hour labor will apply to remove lines. Please attach floor plan with order to show location of lines.

Cancellation Policy: No penalty for cancellations prior to installation. Cancellations received after installation will be billed at 100%. Refer to the show Terms and Conditions for additional information.

ADDITIONAL INFORMATION	CALCULATING YOUR TOTAL
An air and water floor plan must be provided with this order. See page 7/8. <input type="checkbox"/> Attached <input type="checkbox"/> To Follow <i>(Must be received by Disc. Deadline for Advance Rate)</i> <input type="checkbox"/> Standard Location	Service Subtotal from pages 2-4 _____ Add 8.375% Rental Tax on Equipment & Materials _____ Outlet Hookup Labor Fee from All Pages _____ Late Floorplan Fee (received after 9/2/2021) \$500.00 <i>*See page 1/8 for requirements</i> Total _____

Exhibiting Company: _____

Booth Number: _____

Print Name: _____

Date: _____

Authorizer's Signature: _____



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On-Site Contact Information

Name: _____
Email: _____
Cell #: _____

Plumbing Floor Plan Template

Discount Deadline:
August 9, 2021

Using the legend below, please complete this form for all utility services you order. A change of location on an installed or partially installed utility service may result in additional costs to you. If you are submitting your own detailed drawing, please be sure to include the following items:

- Location, Type and Size of the primary connection**—Plumbing needs to be distributed from one location. It is recommended that this location be placed in a closet, under a table/desk or in another location that keeps it out of sight. Please provide specific dimensions.
- Location, Type and Size of all secondary connections**—Provide specific dimensions. *Please do not simply place an X where a connection is required.*
- Booth orientation**—Please provide surrounding aisle and/or booth numbers, particularly for Island booths. Try to orient your booth to the overall floor plan so that the diagram does not have to be rotated.

Aisle or Booth # _____ (Back of Booth)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
20																					20
19																					19
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1																					1
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	

Adjacent Booth # _____

Adjacent Booth # _____

Feet Back ↑

Feet Over →

Aisle # _____ (Front of Booth)

COMMENTS: _____

PLUMBING

☐ CAL COMPRESSED AIR LINE (Diameter in inches)

☐ WL WATER LINE (Diameter in inches)

☐ DL DRAIN LINE (Diameter in inches)

Exhibiting Company: _____

Booth Number: _____

LAS VEGAS
CONVENTION CENTER
LEVEL 1 AND 2
FLOOR PLANS

