

**Belimed**  
**Infection Control**

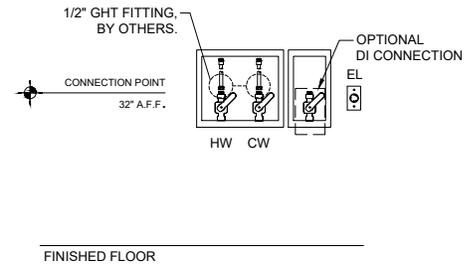
1535 Hobby Street, Charleston, SC 29405  
 Tel: (800) 457-4117 Web: www.belimed.com

**422HL**  
 ULTRASONIC CLEANER (WASH/RINSE/DRY)

3D VIEW	Dwg. No. : CUT-422HL	Rev. : G
Typical installation of a 422HL ultrasonic cleaner.	Drawn By : A. JONES	Date : 1/22/18
	Scale : N.T.S.	Page : 1 of 3

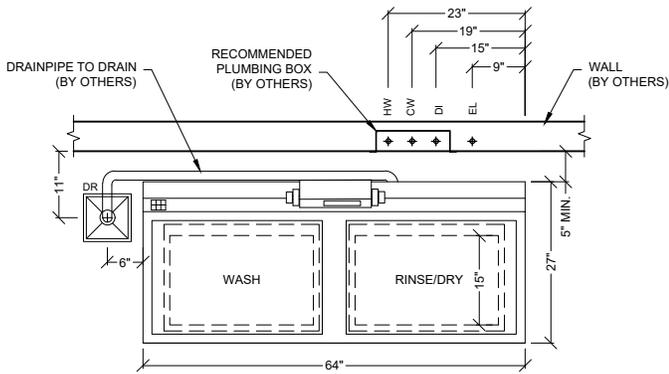
# LEGEND

 — SERVICE SHUT-OFF VALVE, BY OTHERS



1. REFER TO EQUIPMENT PLUMBING, MECHANICAL AND ELECTRICAL PLANS FOR UTILITY LOCATIONS.
2. SEE TECHNICAL SPECIFICATIONS FOR UTILITY SIZING, INPUT REQUIREMENTS, AND FINAL CONNECTIONS.

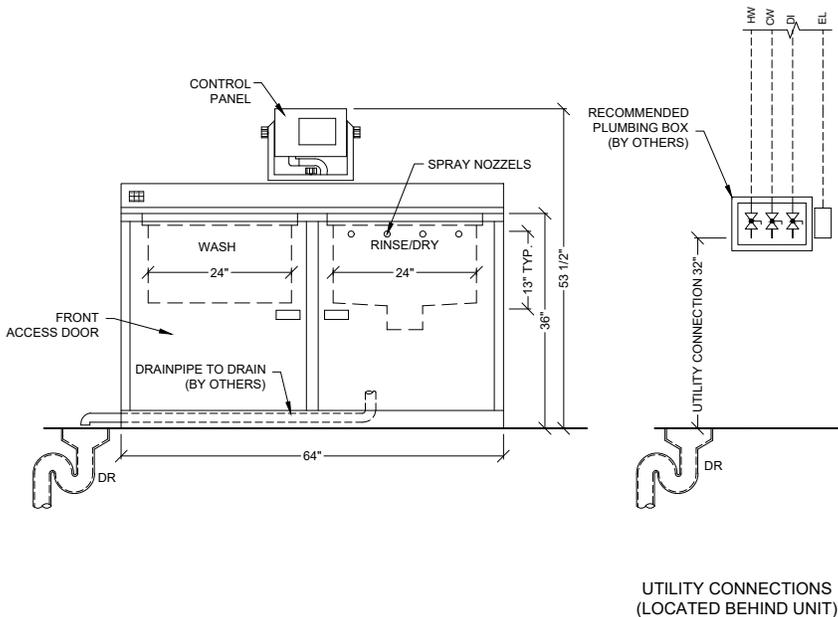
 MANUAL SERVICE VALVE, BY OTHERS.



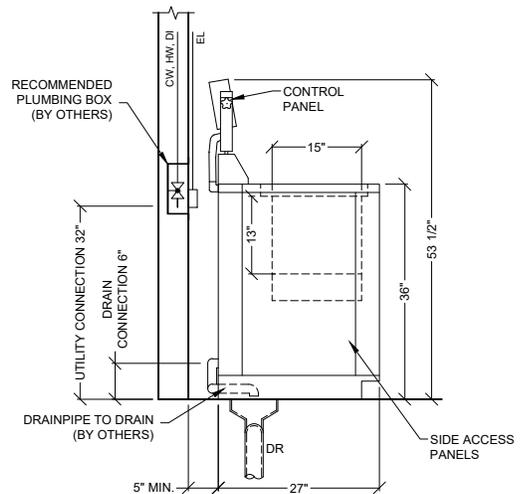
\*SEE UTILITY TECHNICAL SPECIFICATIONS ON PAGE 3.

## PLAN VIEW

## TYPICAL UTILITY DETAIL LAYOUT (N.T.S.)



## FRONT ELEVATION



## SIDE ELEVATION

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ULTRASONIC CLEANER (WASH/RINSE/DRY)

TECHNICAL DRAWINGS  
Typical installation of a 422HL ultrasonic cleaner.

Dwg. No. :	CUT-422HL	Rev. :	G
Drawn By :	A. JONES	Date :	1/22/18
Scale :	3/8" = 1'	Page :	2 of 3

## 422HL ULTRASONIC CLEANER - TECHNICAL SPECIFICATIONS

### REQUIRED INPUTS

Symbol	Description	Value	Utility Notes	Connection Method	Final Utility Conn. By:	
					Others	Belimed
HW	Utility:	Hot Water	Hot water must have a total hardness less than 85 ppm. Temperature range of 100 to 140 °F.	Flex		X
	Connection Size/Type:	1/2 Inch / GHT				
	Pressure:	Min. 40 Max. 60 psig				
	Peak Consumption:	17.4 gal/min				
	*Consumption per Load (min):	9 gal				
*Consumption per Load (max):	54 gal					
CW	Utility:	Cold Water	Cold water must have a total hardness less than 170 ppm. Maximum consumption load based on 15 minute drying cycle at maximum flow rate	Flex		X
	Connection Size/Type:	1/2 Inch / GHT				
	Pressure:	Min. 40 Max. 60 psig				
	Peak Consumption:	3.6 gal/min				
	*Consumption per Load:	Min: 0.8 gal Max: 27.8 gal				
DI (OPTIONAL)	Utility:	Deionized Water	Optional DI Rinse Connection - Maximum consumption per load based on 5 minute rinse cycle at maximum flow rate.	Flex		X
	Connection Size/Type:	1/2 Inch / MNPT				
	Pressure (Minimum):	Min. 20 Max. 60 psig				
	Operating Consumption:	Min. 0.0 Max. 7.4 gal/min				
	*Consumption per Load:	Min. 0.0 Max. 37 gal				
EL	Utility:	Electric	Service disconnect provided by others per local code.	Hard Wired		X
	Connection:	Hard Wire within junction box				
	Voltage (Phase):	1 Phase				
	Voltage (Nominal):	120/208 VAC				
	Circuit Protection:	40 Amps				
	Peak Consumption:	29 Amps				
Power Consumption per Load:	Min. 1.4 Max 1.7 kW-h					

### ESTIMATED EMISSIONS

DR	Utility:	Open Drain	Provide floor/sink and trap, to accommodate maximum discharge rate. Optional Drain pump assembly with 1/2" GHT connection for areas with wall drain location or floor drain located greater than 12 feet from unit.	1-1/2" Copper Pipe	X	
	Connection Size/Type:	1 1/2 Inch / Indirect Drain				
	Discharge Flow Rate:	20.8 gal/min				
	Medium:	Noise Radiation				
	Maximum Radiation (Net):	80 dBA				

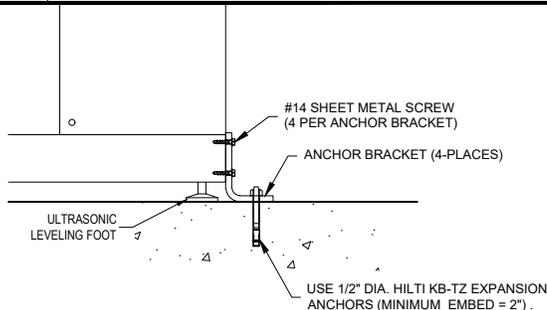
### PHYSICAL SPECIFICATIONS

	Parameter:	Carry-In Dimensions	Machine alone (i.e. removed from packaging)
	Height:	53.5 Inch	
	Width:	64 Inch	
	Length:	28.5 Inch	
	Parameter:	Weights	Transport Weight = Machine + Crating  Operational Wt = Machine + Tray + Water + Instruments
	Transport Weight:	700 lbs	
	Operating Weight:	745 lbs	
	OSHPD Number:	OPM-0219-13	

\* Values are for an "Instruments - Normal Cycle". Values will vary with load size, utility inputs, and cycle setup.

Additional Information:  
 GHT = Garden Hose Thread  
 MNPT = Male Pipe Thread  
 All utility supplies and connections are to be provided by others, per local code.

TS-422HL\_RevK



TYPICAL SEISMIC ANCHORING (N.T.S.)

**NOTE:** OPTIONAL DRAIN PUMP ASSEMBLY AVAILABLE FOR AREAS WITH WALL DRAIN LOCATION OR FLOOR DRAIN LOCATED GREATER THAN 12' FROM UNIT. DISCHARGE RATE OF 13.3-14.0 GAL/MIN. CONNECTION SIZE 1/2" GHT.

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TECHNICAL SPECIFICATIONS	Dwg. No. : CUT-422HL	Rev. : G
Typical installation of a 422HL ultrasonic cleaner.	Drawn By : A. JONES	Date : 1/22/18
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