ACCQ*Prep* HP150 Installation Requirements

TELEDYNE ISCO
Everywhereyoulook™

Chromatography Technical Note TN34

Company:

Shipping Address:	Contact:	Phone:
		Email:
Verification of Site Requirements: I have verified that the site requirements for space, power, solvent, and gas (optional) have been met for the purpose of the installation of the equipment. If the site is not ready, the expense for rescheduling the installation, including milage, airfare, hotel, etc., will be invoiced in addition to any previous agreed to installation charges.		Signature:
		Date:

Overview

This document provides general installation requirements and site preparation for the ACCQ*Prep* HP150 system as a stand alone system and with other Teledyne ISCO systems.

Receiving Consideration for a ACCQPrep HP150

The facility must be able to accept pallet deliveries of a minimum 23 x 31 x 32 in (58.4 x 78.7 x 81.2 cm). (L x W x H)

Figure 1: Packaging of the ACCQPrep HP150

Receiving Consideration for a Purlon MS

The facility must be able to accept pallet deliveries of a minimum 48 x 32 x 42 in (121.9 x 81.3 x 106.7 cm L x W x H).

The Purlon Mass Spectrometer, roughing pump, and accessories will each be in a separate container together on a single pallet. The Purlon will be shipped in a wooden crate with dimensions of 28.5 x 18 x 35 in (72.4 x 45.7 x 89 cm) (L x W x H)

A power screwdriver is recommended for unpacking the system. Do not remove the screws holding the top cover in place. Remove the two retaining screws in each end of the crate from the board located at the bottom of the crate (Figure 2).

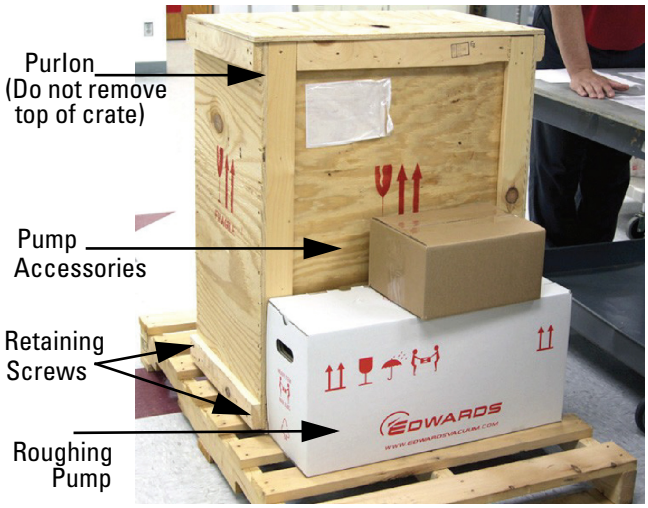

Figure 2: Packaging for the Purlon

ACCQPrep HP150 Validation/Installation Supplies Required:

- At least 2 inlet solvents in 4 L bottles (Water HPLC Grade, Acetonitrile or Methanol).
- Test tubes for rack ordered (18x150 mm, standard US and Asia) (16 x150 mm in Europe).
- Waste container - 4 L bottle.
- Guard column and Prep column of choice (A C18 20 x 150 mm column is required for validation).
- 1 ml and 10 ml injection syringes for sample injection and sample loop wash (Only required of performing a manual injection).
- Secondary containment for solvent and waste containers, if required.
- ACCQ*Prep* Verification Kit (PN:60-5234-835).
- For more information see the ACCQ*Prep* Validation Instruction (PN:69-5233-885).

Table 1: Specifications and Laboratory Requirements for ACQ*Prep* HP150 Only

ACQ*Prep* HP150		
H x W x D	27.5 x 17.0 x 20.0 in	69.9 x 35.6 x 50.8 cm
Weight	93.2 lbs	42.3 kg
Environment		
Temperature	Recommended range:	20 - 40 °C
Humidity	90% relative humidity maximum at 20 to 40 °C (non-condensing)	
Always maintain adequate ventilation to control vapors.		
Electrical		
Voltage	100 to 240 VAC, 300 VA	
Plug Type	NEMA 5-15P. One outlet is required	
Solvents		
Water and Acetonitrile/Methonol		
Space Requirements		
Ensure that adequate space is provided for the solvent supply bottles and waste containers.		

Table 2: Specifications and Laboratory Requirements for ACQ*Prep* HP150 with AutoSampler

H x W x D	ACQ*Prep*: 27.5 x 17.0 x 20.0 in (69.9 x 35.6 x 50.8 cm) AutoSampler AS 2x2: 27.5 x 14 X 22 in (69.9 x 35.6 x 55.9 cm) AutoSampler AS 4x2: 27.5 x 23 x 22 in (69.9 x 58.4 x 55.9 cm)	
Weight	AutoSampler AS 2x2: 31.1 lbs AutoSampler AS 4x2: 42.2 lbs	14.1 kg 19.2 kg
Electrical		
Voltage	100 to 240 VAC, 300 VA	
Plug Type	NEMA 5-15P. One outlet is required	

Table 3: Physical Specifications for ACQ*Prep* HP150 with an AutoSampler and PurIon

H x W x D	ACQ*Prep*: 27.5 x 17.0 x 20.0 in (69.9 x 35.6 x 50.8 cm) AutoSampler AS 2x2: 27.5 14 22 (69.9 x 35.6 x 55.9 cm) AutoSampler AS 4x2: 27.5 x 23 x 22 (69.9 x 58.4 x 55.9 cm) PurIon 26 x 11 x 22 in (66 x 28 x 56 cm) Roughing Pump 20 x 6 x 16 in	
Weight	AutoSampler AS 2x2: 31.1 lbs AutoSampler AS 4x2: 42.2 lbs	14.1 kg 19.2 kg
Electrical		
Voltage and Plug Type	Requires 2 outlets all using NEMA 5-15P plugs. PurIon Mass Spectrometer (including fluid interface) 300 VA PurIon Mass Spectrometer roughing pump 500 VA	

Additional Supplies if ELSD or PurIon Mass Spectrometer is Included

- Clean gas (such as nitrogen) or air source between 4.2 and 4.8 bar (60-70 psi) if ELSD is included. Source must be within 6m (20 feet) due to tubing length included.
- Nitrogen between 4.2 and 10 bar (60-150 psi) if PurIon is included. Nitrogen source must be within 3 m (10 feet) due to tubing length supplied.
- Two adjustable wrenches for nitrogen line hook up.
- Teflon tape.
- Waste container for Spray Chamber drain line (ELSD only).

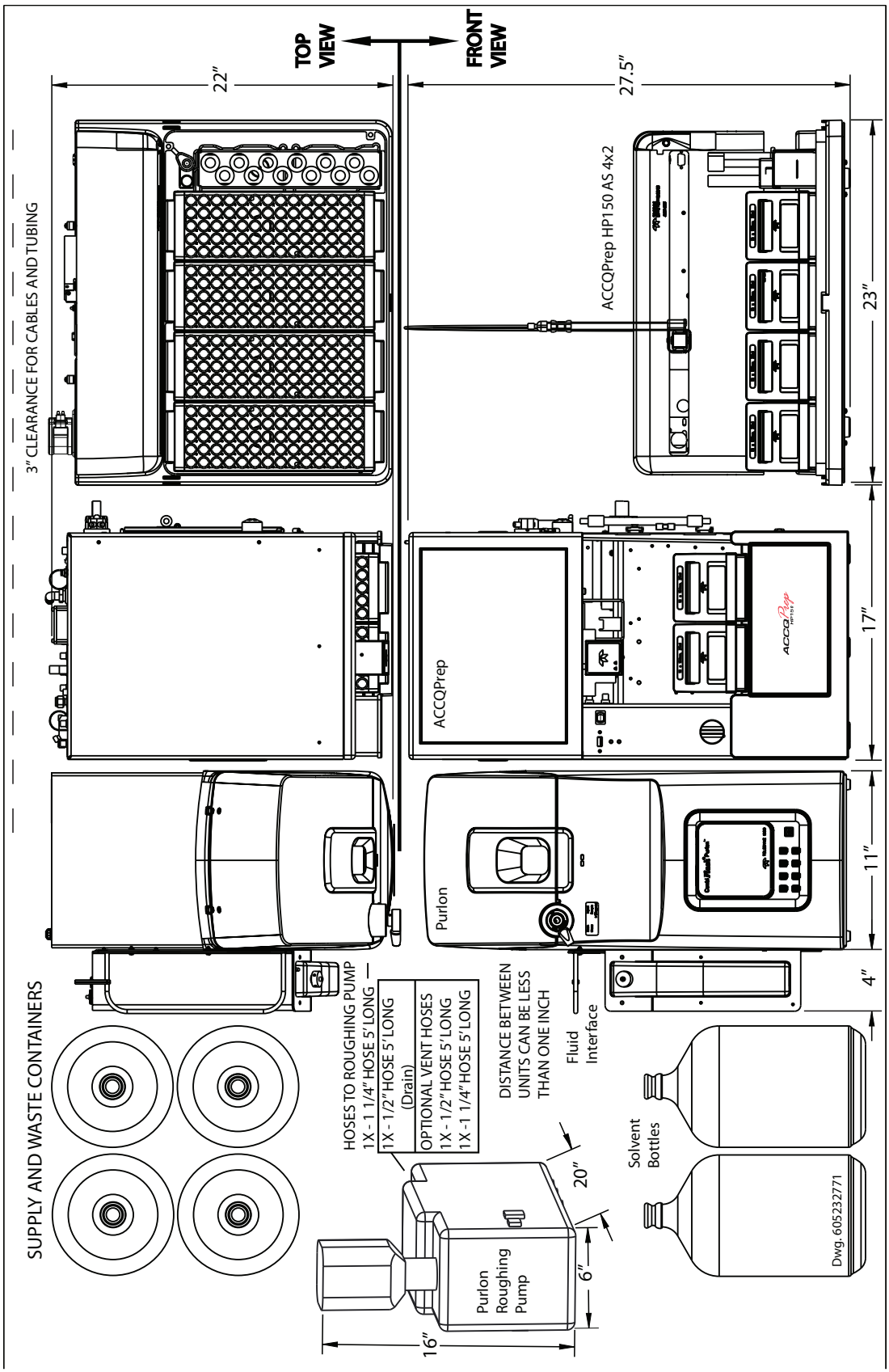

Figure 3: Front and top views of system configurations with AutoSampler 4x2

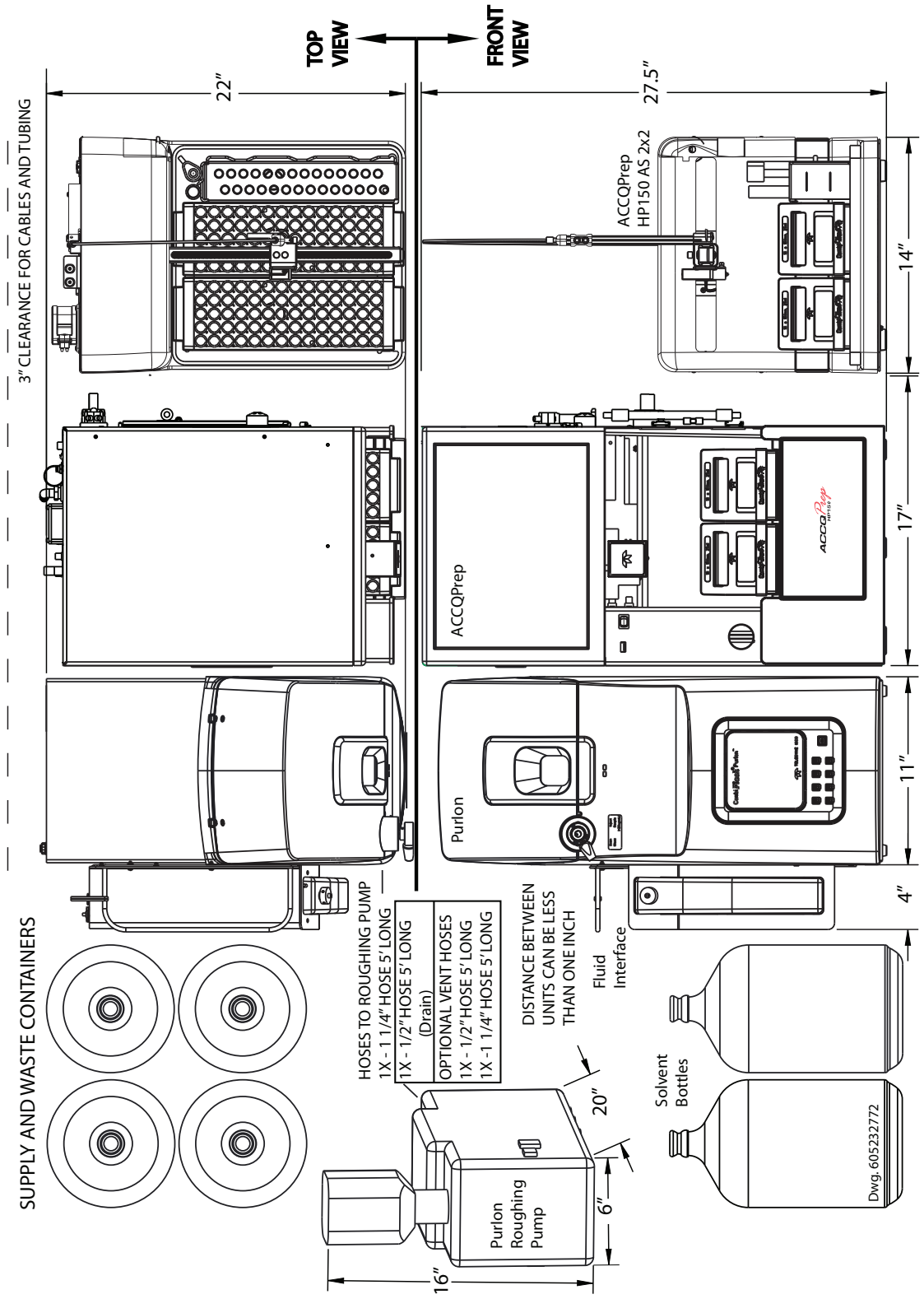

Figure 4: Front and top views of system configurations with AutoSampler 2x1

Table 4: Installation Qualification Checklist

Step	Description	Installer Initials	Operator Initials
1	Unpacking the unit		
2	Instrument location		
3	Connect power		
4	Install AutoInjector if applicable		
	Install AutoSampler if applicable		
5	Connect solvent lines (if not pre-installed)		
6	Connect waste lines (if not pre-installed)		
7	Integrated ELSD gas (if installed)		
8	Connect and route drain lines		
9	Position the system		
10	Installation of the collection tube racks		
11	External detector (optional)		
12	Turn on the power		
13	Configure the system		
14	Prime the solvent lines		
15	System verification		
Certification of Installation Qualification Completion			
	Installer Name (print):		
	Installer Signature:		
	Date:		
	Operator Name (print):		
	Operator Signature:		
	Date:		
Serial Number(s):			
Customer Information			
Company Name:			
Company Address:			
Lab Number:			

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