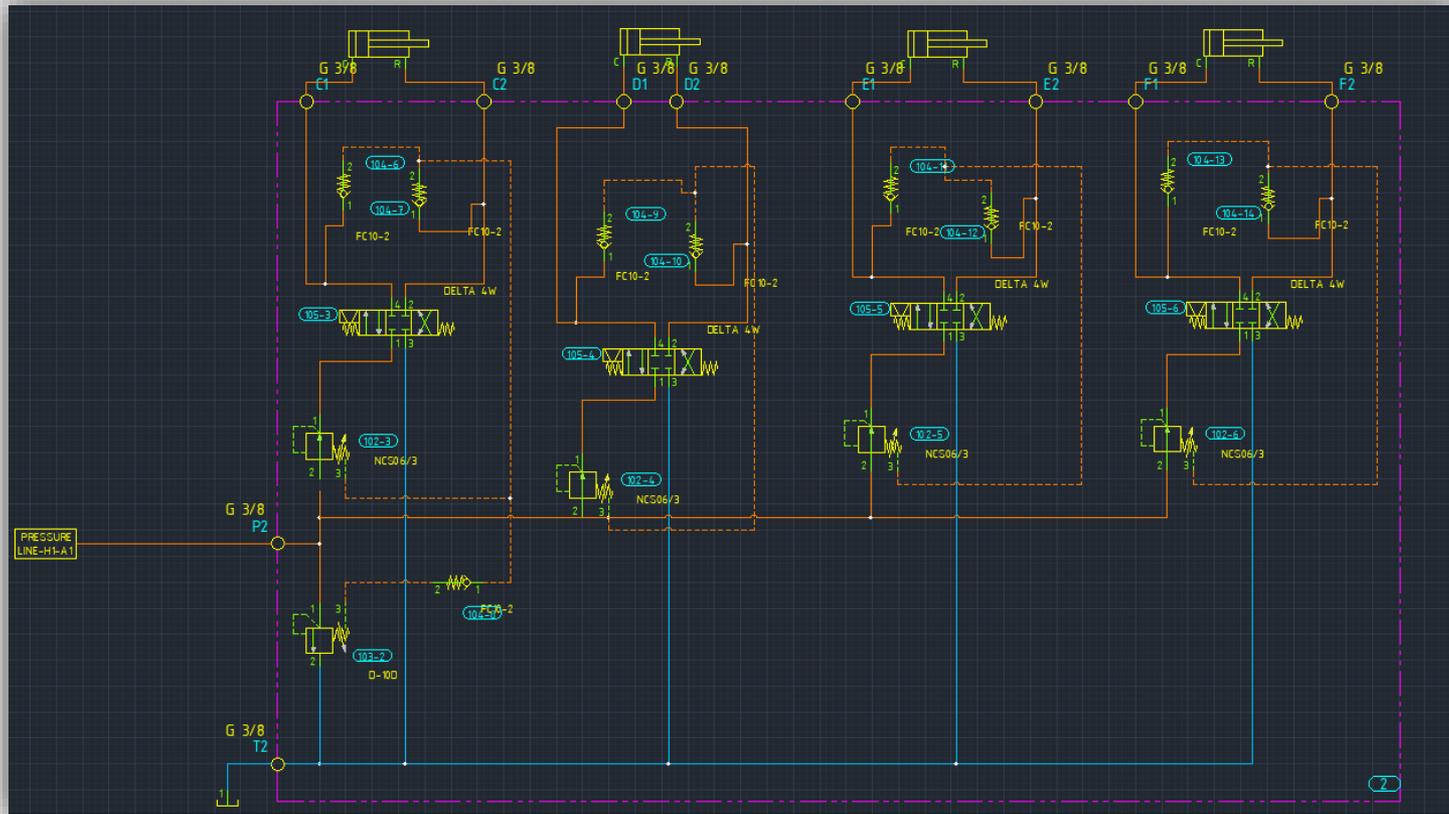


HyDraw® CAD 2022

What's New



HyDraw® CAD 2022 What's New

Edit Accessories User Interface

Edit Accessories Icon Added
New User Interface

Jumping Reference

Break Command Line Option
Jumping References on Broken Lines

Fetch Pipe/Tube/Hose Dialog

Search Criteria Optimized

Simplify DWG Command

Import and View Drawing in Other CAD Apps

Pump Motor Adaptor

Improved User Interface and Search Criteria

Microsoft SQL Database Settings

Microsoft SQL Settings

Online Licensing

Capability to Check Out Network Term Licenses

Library Manager

Import Ports
Import Connections
Document Root Folder
Duplicate Port Size

Automatically Check for Updates

View Installed Updates
View Pending Updates
VEST Desktop App Update Manager
Automatically Install Updates

Miscellaneous

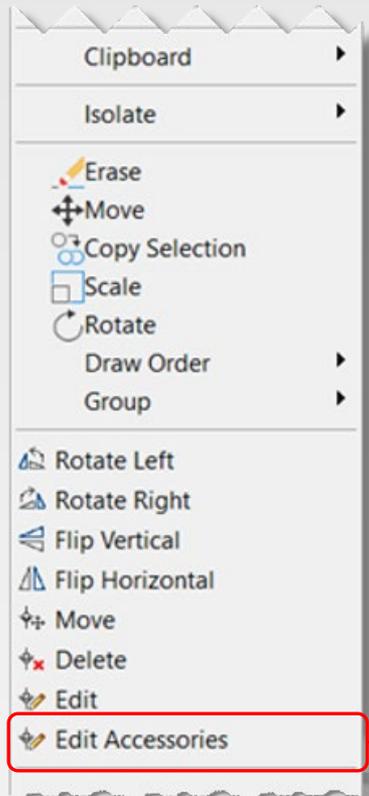
Cut, Copy, Paste Symbols within Library Explorer
Auto Update Connector, Hose Assembly, and Ports Lists

Edit Accessories User Interface

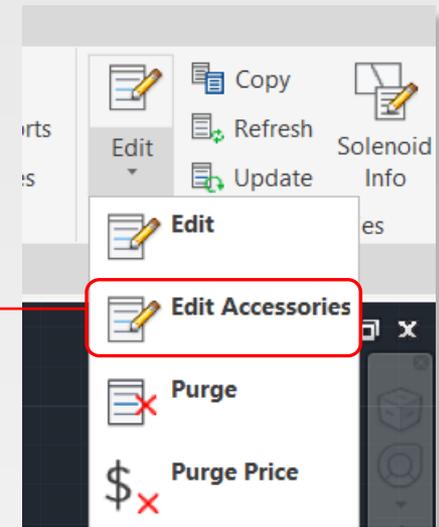
Organization and layout enhanced

Edit Accessories Icon Added

Easy Access from the Ribbon menu and right-click menu



New icon within the right-click menu



New icon within the Ribbon Menu

NEW

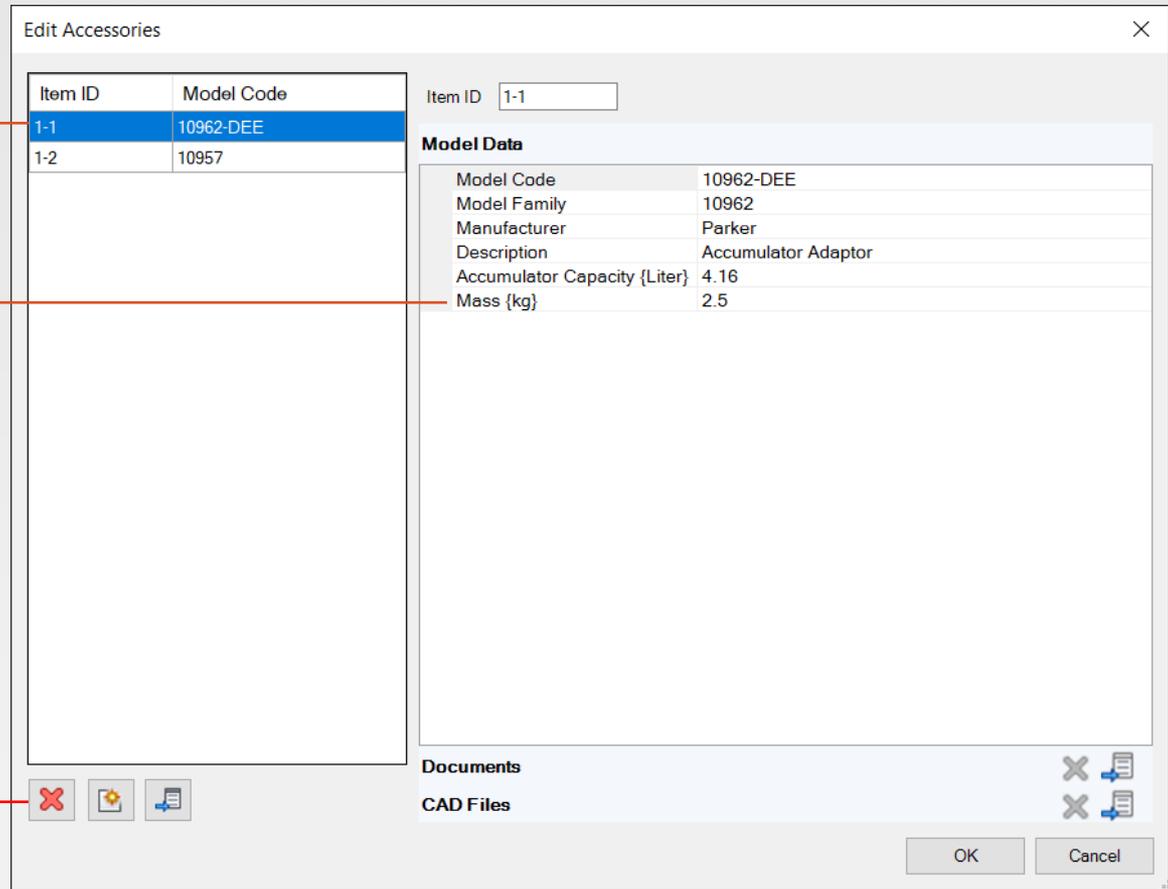
Edit Accessories New User Interface

All linked accessories can be edited within one window

Accessories associated with the symbol selected in the schematic

Properties and attached items can be edited all within one dialog

Delete/Add/ Insert an accessory from the library



Jumping References

Ability to break a connection line and insert a jumping reference

NEW

Break Command Line Option

New option within the command line to break the connection line

PORT NAME	TYPE	SIZE
ACC	BSF	1.1
MP-2, MU, TP2, TU	BSF	3.18
T1	SAE FLANGE	1.38" CODE #2
P2, P3, U	SAE FLANGE	1" CODE #2
P0, T3	BSF	1.28
T1, T2	SAE FLANGE	1.312" CODE #1
T4	BSF	1.58

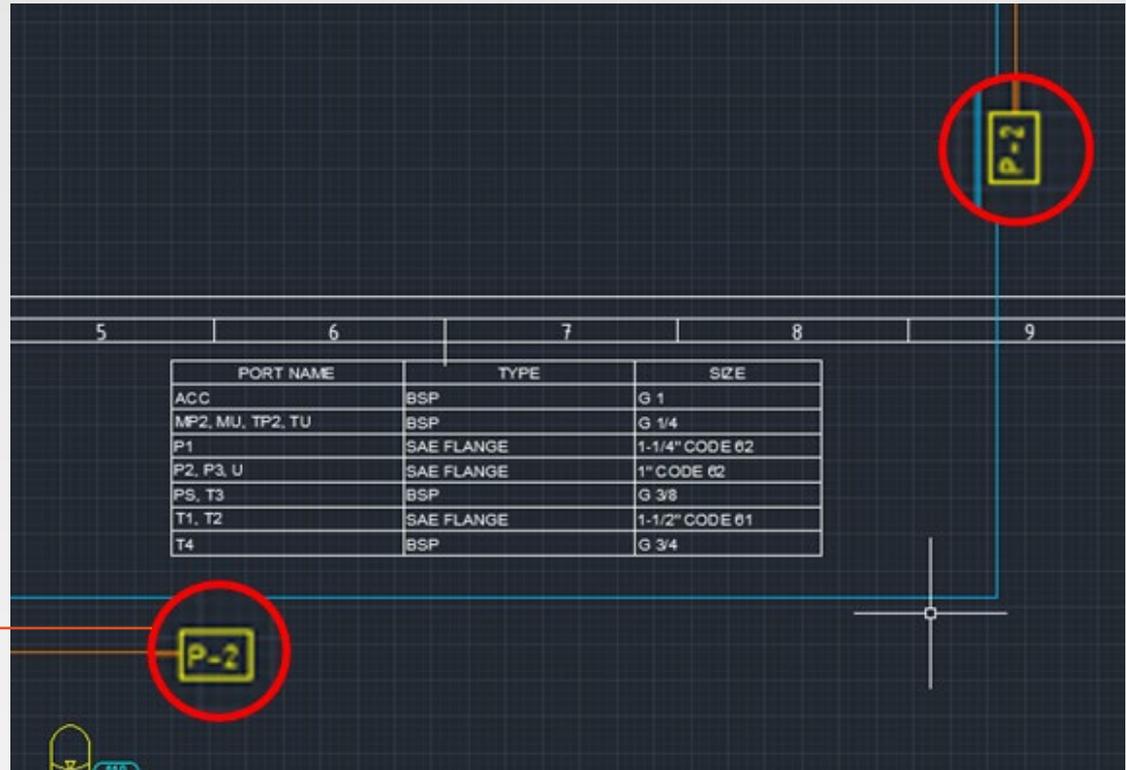
T13	1	RELIEF VALVE - SCREW-IN CARTRIDGE		
T12	1	PRESSURE RELIEF VALVE	FAWE	PMVP-6"
T11	1	RELIEF VALVE - SCREW-IN CARTRIDGE		
T10	1	ACCUMULATOR		
T09	1	FILTER		
T08	1	CHECK VALVE	BOSCH REXROTH	SA 31 32 00 26"
T07	1	RELIEF VALVE - SCREW-IN CARTRIDGE		

HYDRAWINSERTJUMPINGREFERENCE Select connection line or [Free End **Break**] <Free End>:

Break option added after selecting Jumping Reference command

Jumping References on Broken Lines

Break the connection line at desired segment



Invoking the Break option and selecting the two breakpoints, removes the segment between the breakpoints and adds Jumping References

Fetch Pipe/Tube/Hose Dialog

Resizable window and optimized search



Pipe/Tube/Hose Search Optimized

Search by pressure, flow, velocity, and inner diameter

Fetch Pipe/Tube/Hose from Library

Pressure line Connector Type:

Return line

Design requirements

Pressure (psi): Flow (gpm): Velocity (ft/s): Inner Diameter (in):

Available Pipes

Pressure (psi)	Nominal Size	Material	Inner Diameter (in)	Outer Diameter (in)	Wall Thickness (in)	Velocity
687	3/8" Threaded	Seamless Steel Sched...	0.493	0.675	0.091	17
2852	3/8" Welded	Seamless Steel Sched...	0.493	0.675	0.091	17
1932	1/2" Threaded	Seamless Steel Sched...	0.546	0.84	0.147	14
4320	1/2" Welded	Seamless Steel Sched...	0.546	0.84	0.147	14
5103	1" Threaded	Seamless Steel Sched...	0.599	1.315	0.358	11
6690	1" Welded	Seamless Steel Sched...	0.599	1.315	0.358	11

OK Cancel

Results sorted by velocity

Row with the inner diameter closest to the calculated inner diameter automatically highlighted

Note

Velocity results will be within $\pm 25\%$ of entered search criteria.
If no viable options exist in the library, all possible results will be displayed.

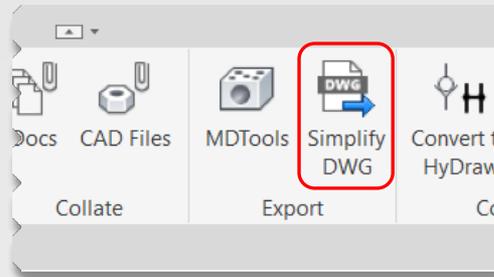
Simplify DWG Command

New command to import drawing into SolidWorks and Inventor

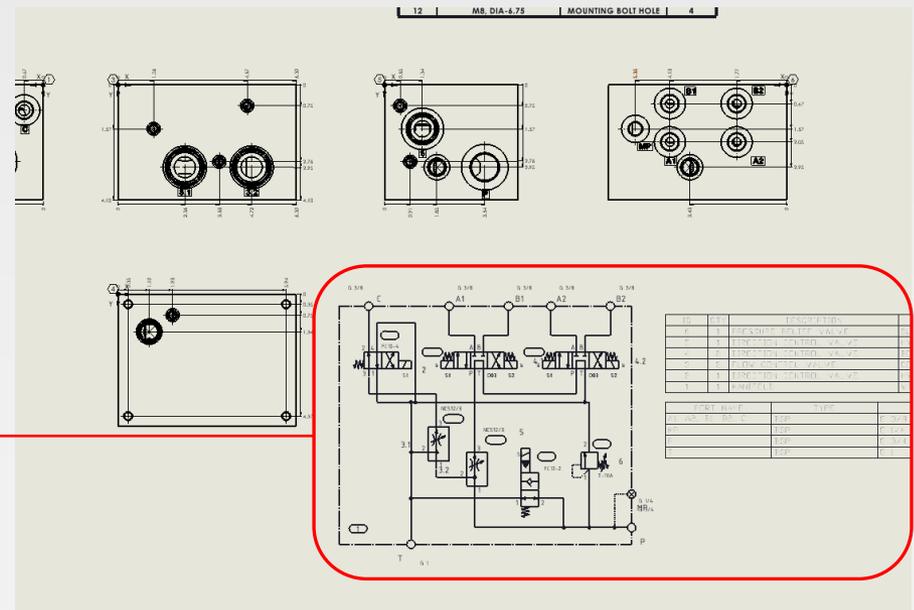
NEW

Import/View Drawing in other CAD Apps

Save an importable drawing into other CAD systems



Save a selected section of the drawing to import and view in SolidWorks and Inventor

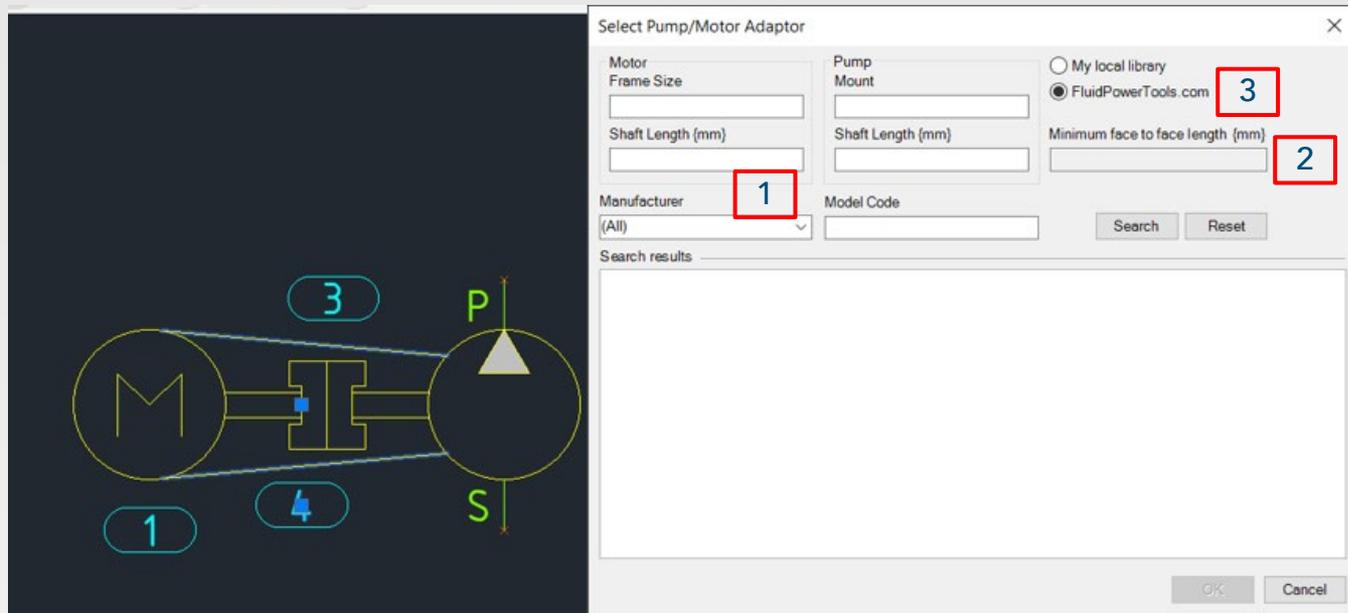


Pump Motor Adaptor

Enhanced Interface and Search

Pump Motor Adaptor Selection

Improved user interface and search criteria



1

Search by newly added Model Code or Manufacturer search criteria

2

Automatically calculate the minimum face to face length with motor and pump shaft length criteria entered

3

Utilize FluidPowerTools.com data within the new search

Microsoft SQL Database Settings

Easily setup and switch database types within HyDraw®

Microsoft SQL Settings

Easily setup SQL database

MDTools Library/HyDraw Library

HyDraw Options

Document Settings Application Settings

Library Path Search Criteria Display Format Connection Properties External Port Gauge Port Lists & Charts Update From Excel Drawing Template Miscellaneous MDTools Library Internet Settings

Database

MS Access

MS SQL

Active Library

Local

Corporate

Local Library

Server Name: DESKTOP-RR786F3\SQLEXPRESS Database Name: HyDrawData

User Name: sa Password: *****

Symbols: C:\VEST\HyDraw Library 2022\Symbol Library Browse ...

Sub-Systems: C:\VEST\HyDraw Library 2022\SubSystems Browse ...

Enable modification

HyDraw Library Manager

Options

Units Library Path Internet Settings Language

Database

MS Access

MS SQL

Library

Server Name: DESKTOP-RR786F3\SQLEXPRESS Database Name: HyDrawData

User Name: sa Password: *****

Symbols: C:\VEST\HyDraw Library 2022\Symbol Library Browse ...

Sub-Systems: C:\VEST\HyDraw Library 2022\SubSystems Browse ...

Easily switch between Microsoft Access and Microsoft SQL within the settings without the use of Microsoft SQL installers

Online Licensing

Licensing enhanced in HyDraw CAD 2022

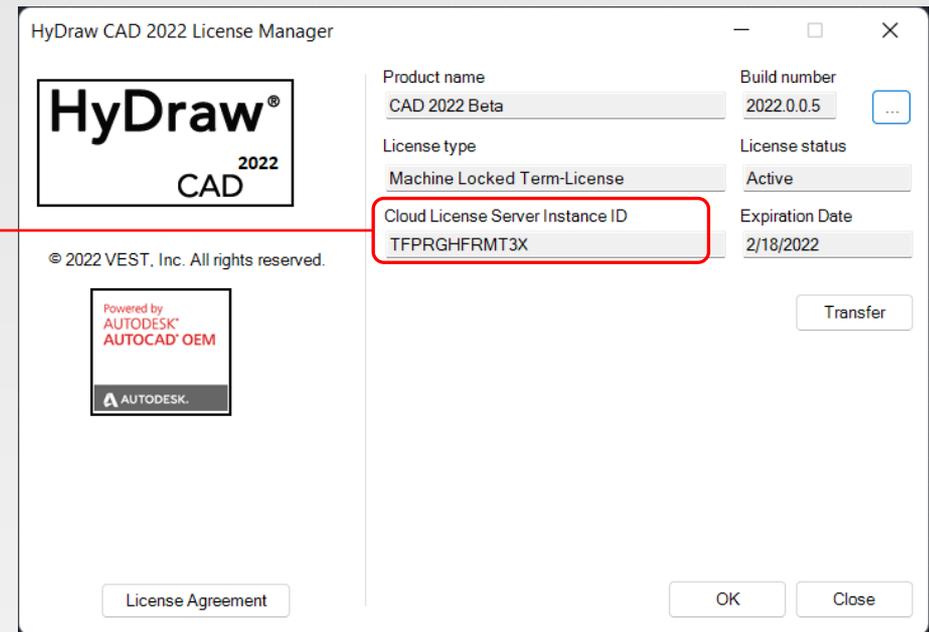
Check Out Network Term Licenses

Automatic Licensing authorization with CLSID

Licenses will no longer need to email support@vestusa.com to be authorized

Use Cloud License Server ID (CLSID) provided upon upgrade or purchase to activate HyDraw CAD

Term network licenses can now be borrowed within HyDraw CAD



Note

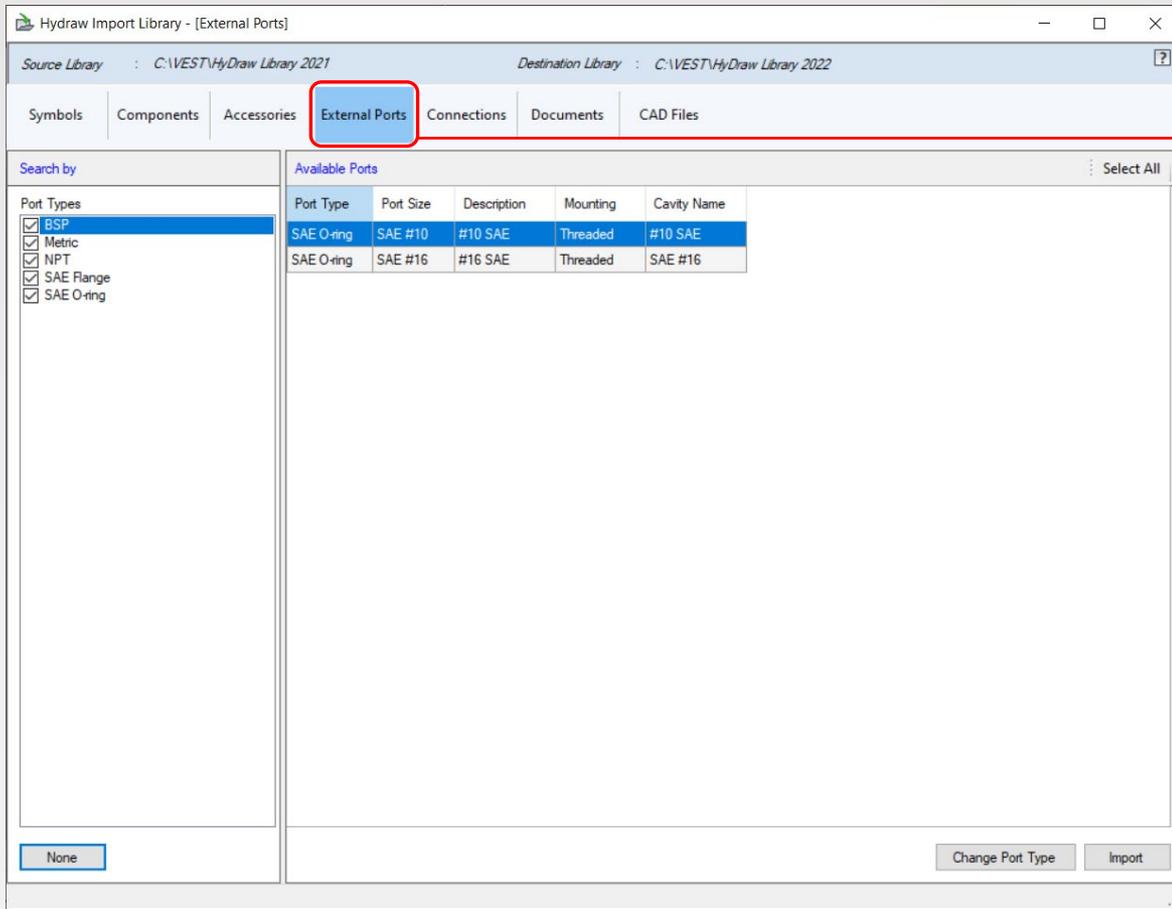
Standalone licenses will need internet connection to retrieve the license once every 30 days.
Network licenses will similarly require the server have an internet connection once every 30 days

Library Manager

New ability to import connection and port data from other libraries

Import Ports

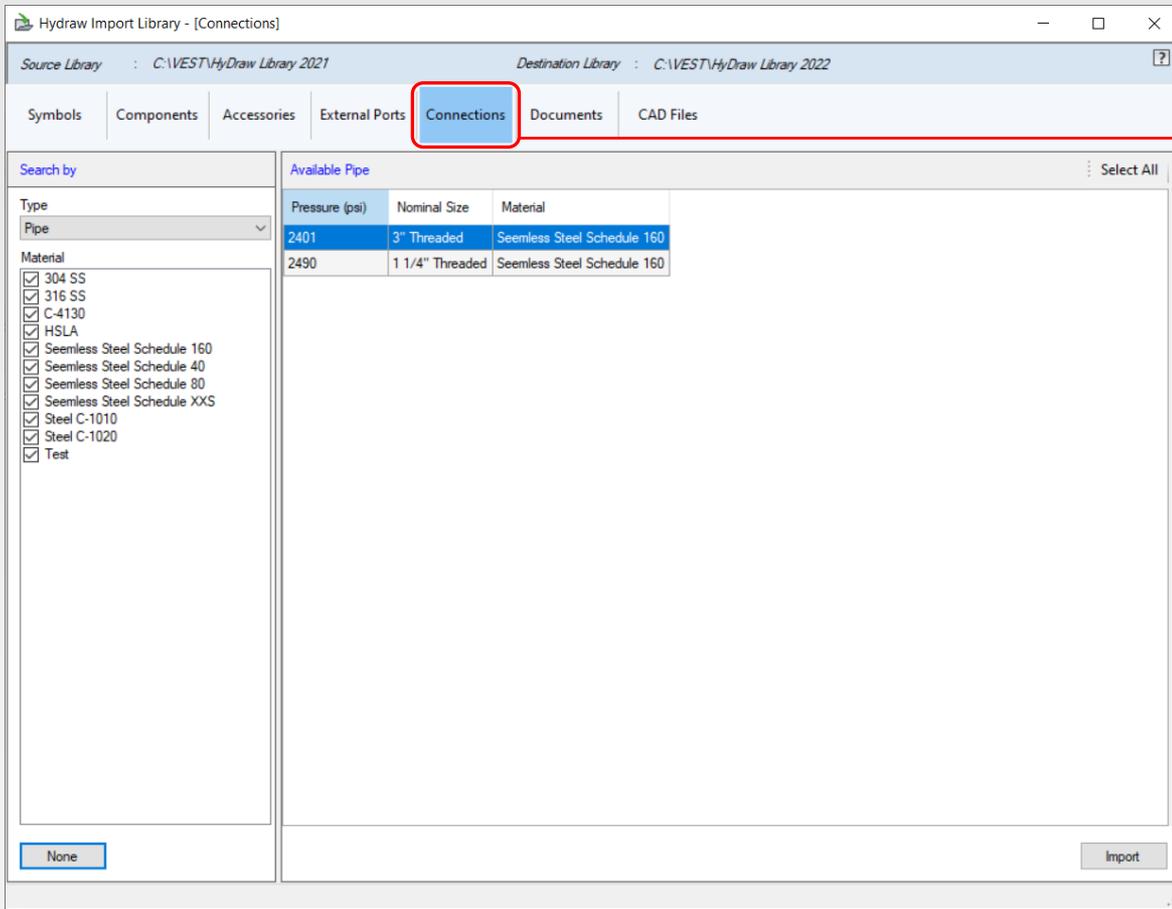
Import port data from other libraries



Ports can now be imported using the HyDraw Import Library utility

Import Connections

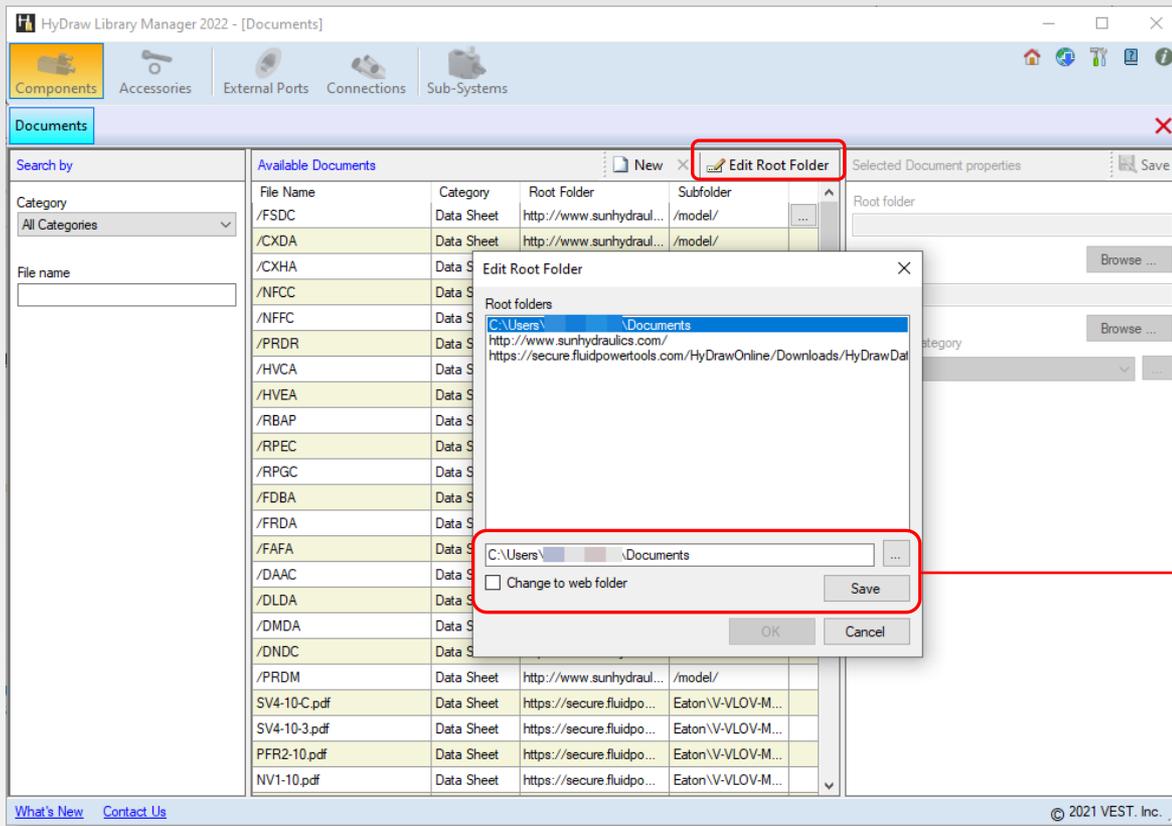
Import Connection data from other libraries



Connection data can now be imported using the HyDraw Import Library utility

Document Root Folder

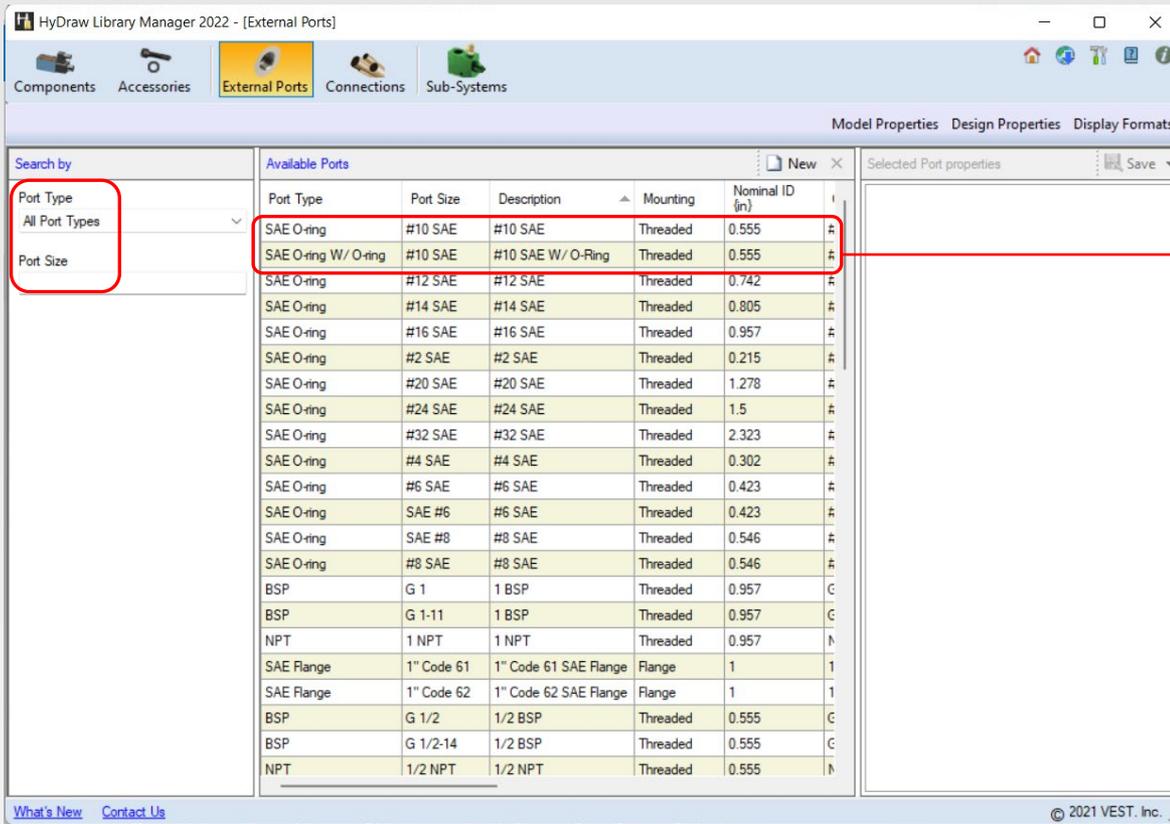
Easily switch between a local file and an online document



Easily switch root folder paths from a file stored locally to an online link stored file by selecting the checkbox within the dialog

Duplicate Port Size

Create multiple external ports of the same size



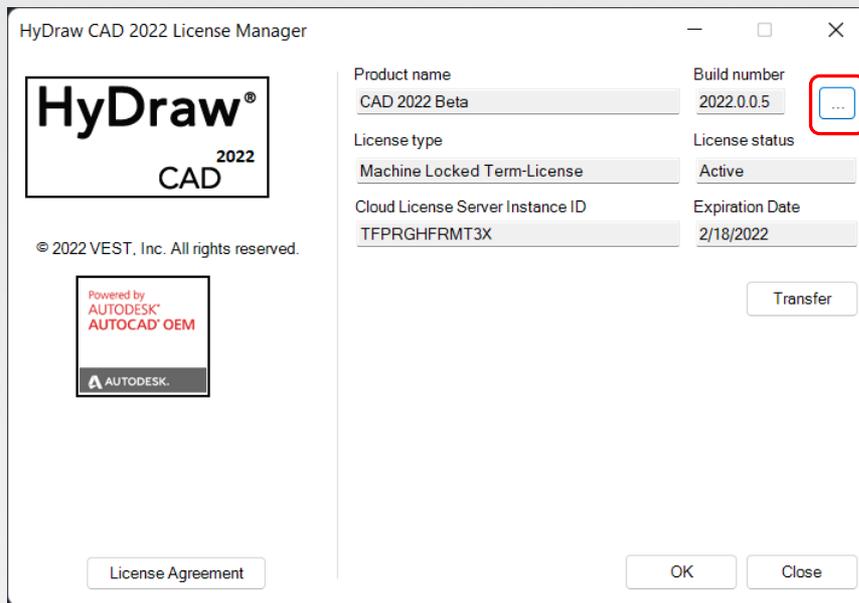
External Ports can now have different Port Types of the same Port Size

Automatically Check for Updates

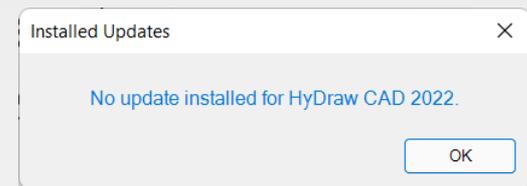
Automatically install Service Packs and Hotfixes when released

View Installed Updates

Installed updates displayed within HyDraw CAD

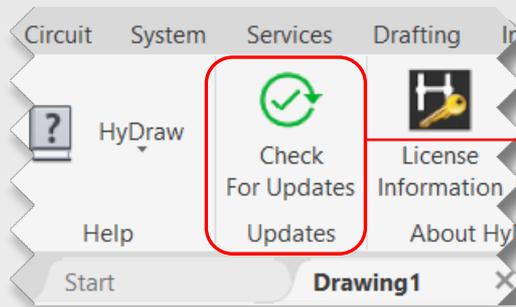


Selecting the breadcrumbs within the licensing information will display all installed updates



View Pending Updates

Powered by VEST Desktop App Update Manager



Clicking the Check For Updates command opens* the VEST Desktop App and displays any outstanding updates

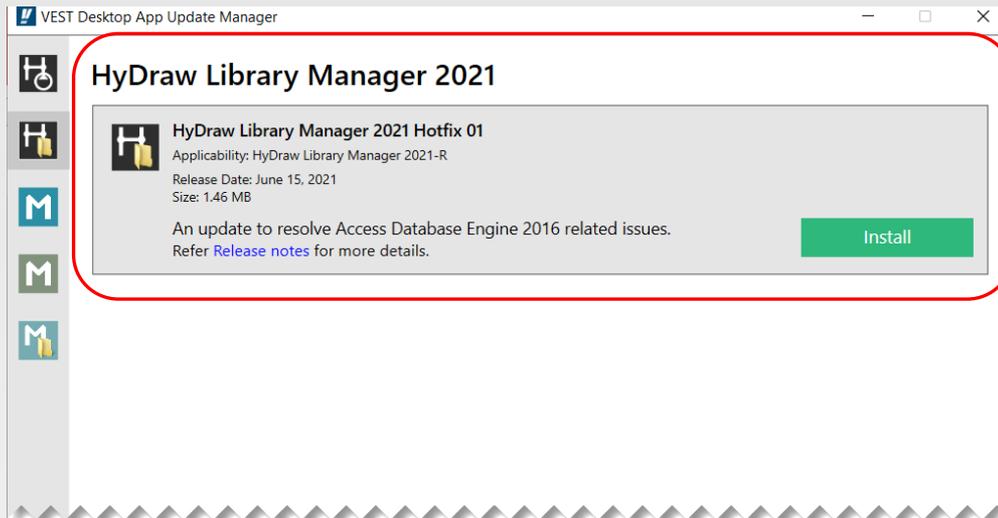
Note

*The VEST Desktop App Update Manager needs to be installed to view pending updates.

NEW

VEST Desktop App Update Manager

Check for uninstalled updates



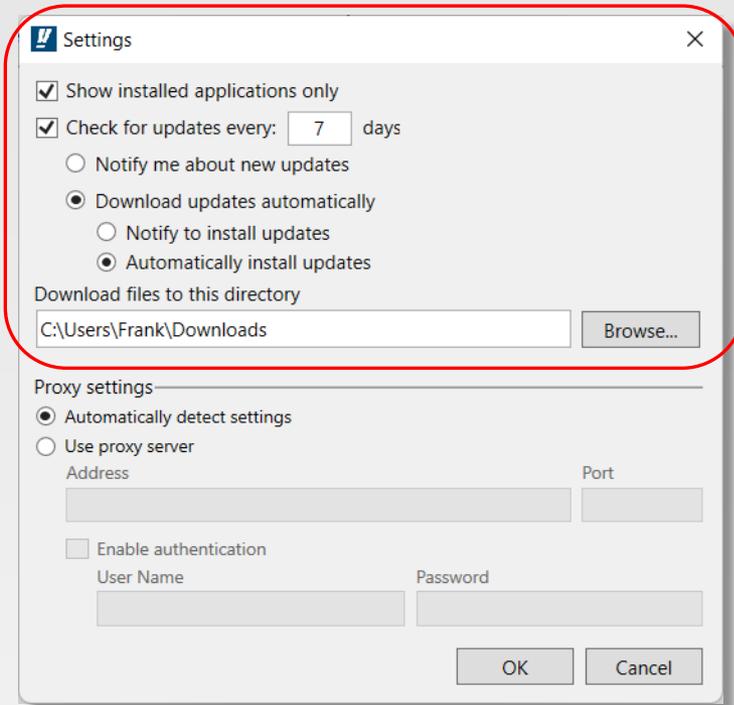
Any outstanding updates for VEST products will display within the VEST Desktop App Update Manager. Install directly.

Note

The VEST Desktop App does not install automatically with HyDraw CAD 2022. This will be released and available for download alongside the Market Release version of HyDraw CAD 2022.

Automatically Install Updates

VEST Desktop App Update Manager: Settings



Outstanding updates can be detected and automatically downloaded or installed with no effort

Note

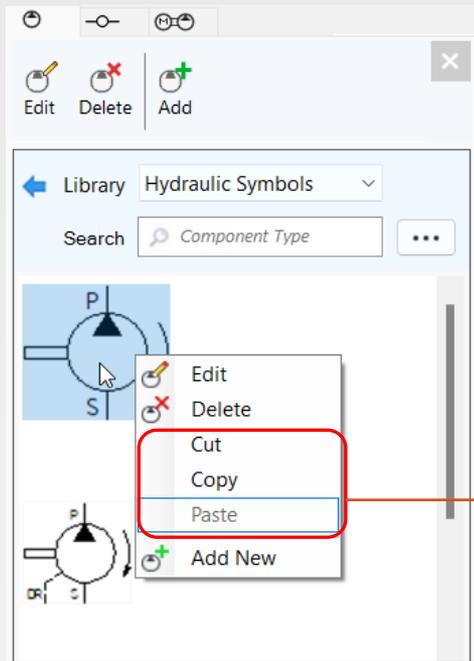
The VEST Desktop App does not install automatically with HyDraw CAD 2022.
This will be released and available for download alongside the Market Release version of HyDraw CAD 2022.

Miscellaneous

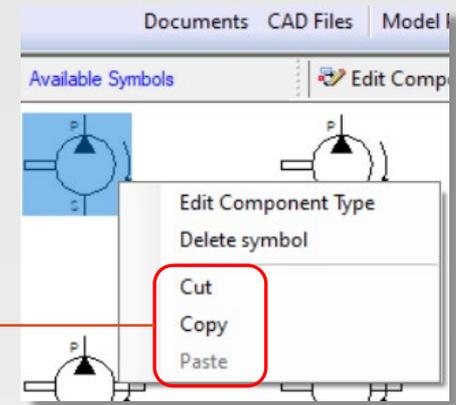
..more enhancements

Cut, Copy, and Paste within Library Explorer

Right-click options for symbol management



Clipboard options available in HyDraw Library Manager



Cut, Copy, and Paste options available when editing the library within the Library Explorer

Automatically reflects changes made in the drawing

	A	B	DES
1	ITEM ID	PORT TYPE	
2	P, ROD, T	SAE O-RING	#16 SAE
3	P1, P2	SAE O-RING	#8 SAE

- Erase
- Move
- Copy Selection
- Scale
- Rotate
- Draw Order
- Group
- Table Style
- Size Columns Equally
- Size Rows Equally
- Remove All Property Overrides
- Export...
- Table Indicator Color...
- Update Table Data Links
- Update Port List**
- Write Data Links to External Source
- Add Selected

Outstanding changes within lists are highlighted

Right-click option to update the corresponding data within the tabulation

Note

Updated list will follow the default list format selected within the HyDraw settings.

HyDraw® CAD 2022

Premier Circuit Design Software

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