

HyDraw[®] "Power-to-Design" circuits

Dual Library

Link Documents and CAD Files to Component Data

Numbering Scheme – ISO 1219-2:2012

Rotate External Port Name

Rotate Connection Display Properties

Advanced Options – Primary Units

ERP Interface

Display Properties in Dual Units

Add New Display Format

Accessories - Define Search Criteria

List Component as First Sub-item

Unit Converter

HyDraw[®] Library Manager 2013

Enhanced Graphics User Interface

Italian Interface

Localized Library Data

Link Symbols to Model Code





Dual Library



Define dual library path and toggle between your Local Library and Corporate Library

		H	lyDraw Options	;		×
Application	Units	Balloon	Connection	External Port	Parts List	Ports List
Library Path	Misc	s.	Internet Settings	QuickManifo	lds E	RP Settings
◯ Local Libra ☑ Enable Data	ary modification					
D:\VEST\	HyDraw Librar	y 2013\Data	1		E	rowse
Symbols						
D:\VEST\	HyDraw Librar	y 2013\Syml	bol Library		B	rowse
Sub-system	ms					
D:\VEST\	HyDraw Librar	y 2013\Sub	Systems		E	rowse
 Corporate Enable Data 	Library modification					
\\VEST\H	łyDraw Library	2013\Data			E	rowse
Symbols						
\\VEST\H	łyDraw Library	2013\Symb	ol Library		E	rowse
Sub-syste	ms					
VVEST\H	łyDraw Library	2013\SubS	ystems		E	rowse
					ОК	Cancel





Link Documents and CAD Files to Component Data



Select Documents fron	n library			— ×		V	N
Search By Document Category		File Name					
All Categories		•					
Available Documents							
File Name	Category	Root Folder		Subfolder			
4WE6.PDF	Data Sheet	C:\Users\LK\Desktop	\TEST_SAMPLES	amb4001			
				Documents	×	_□ ▲ □	
Fetch docu	ments and CA	D files		Data Sheet	4WE6.PDF		
from library	ý			CAD Files	×		
				Valve Models	4WE6.ipt		
Select CAD Files from	library						
Search By					Link these t	o the	
CAD File Category			File Name		component	data in the draw	ing
All Categories		•					
Available CAD Files				Selected CAD file preview			
File Name	Category	Root Folder	Subfolder				
4WE6.ipt	Valve Models	E:\lk\MDTools De	Inventor				
HyDraw [®] V700 Wł	hat's New			of 20 🕨 🕨		I	LES LE

Numbering Scheme - ISO 1219-2:2012





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HyDraw® V700 What's New

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Rotate External Port Name









Rotate Connection Display Properties









Advanced Options – Primary Units



		Hy	Draw Optio	ns		X	
Library Path Application Drawing units	Misc Units	. In Balloon	Connection	QuickMani External Port	folds Ef Parts List	RP Settings Ports List	Advanced Options enable you to use different units for different drawings
Imperi Modify units Unit Category Flow Force Frequency Length Mass & Weight Power Pressure Speed Temperature Time			etric Prim gal/s N Hz in Ib HP Mpa Mpa m/mir C S	ary Unit ec	Advanc	ved Options	Create different drawings with different units e.g. pressure in psi/Mpa Drawing 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Display alter	mate unit				ОК	Reset Cancel	Drawing 2





ERP Interface

Application

Units

ERP column name ModelCode

Balloon



Ports List

ERP Settings Set your ERP data path in HyDraw Options

	Fetch D	ata From ERP			×
Model Code	Part Number	Manufacturer	Price	Assembly Cost	Stock
M3715	900000001	Baldor	29	5	50
DYN-CF1P350ASAE	Select				
M/P Adapter	Select				
721-20	900000004	Parker	32	6	56
PE060R00B6B20PA00N00S1A1U	900000005	Parker	34	4	88
P30-100	900000006	Row-ezy	32	6	45
<		m			•
			Unda		Cancel

Library Path	Misc.	Internet Settings	QuickManifolds	ERP Settings
My local ERP	data			
Excel file pat	th			
D:\Documer	nts\ERP\Sample	e ERP Database xls		Browse
Online ERP d	ata			
Service URL				
Search using —				
Model Co	ode	O Part Number		

Connection

External Port

Parts List

Model data	🔒 🔁 🔺
Model Code	M3715
Model Family	
Part Number	900000001
Description	Relief Valve - Screw-in
Manufacturer	Baldor
Cost	
Assembly Cost	5
List Price	29
Rated Flow {gal/sec}	

Fetch ERP data stored in the Excel format, locally on a network or on a hosting space

Price and other related properties are updated in the Model data

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Display Properties in Dual Units

	HyD	Draw Option	IS					x
Library Path Misc.	Inte	ernet Settings	Qui	ckManifol	ds	EF	RP Setting	gs
Application Units I	Balloon	Connection	Externa	l Port	Parts	List	Ports	List
Drawing units								
Imperial	⊖ Met	tric			Д	dvanc	ed Optio	ns
Modify units								
Unit Category	Primary	Unit		Alternate	Unit			^
Frequency	Hz			RPM				
Length	in			mm				
Mass & Weight	lb		9	9				
Power	HP		1	KW				
Pressure	psi		1	bar				
Speed	m/min		f	t/min				
Temperature	°C		4	۴F				
Time	S			min				
Torque	Lbf-ft			cm*gf				
Viscosity	cSt			St				$\mathbf{\vee}$
 Display alternate unit 							Reset	
					ОК		Canc	el







Add New Display Format



Add New Display Format	Default Display Format
Name Model Series	
Property1Model Family Prefix Suffix Display unit	T-162A 1000 psi
Property2 Prefix Suffix Display unit	New Display Forr
Property3	
Prefix Suffix Display unit	T-162A 1000 psi RDBA
Add the N	ew Display format to the component







Accessories – Define Search Criteria

		Z
5	NEW	
	4	

Ac	ces	sories	X 🖻 🖶 💻 🔺
4	4		{ 697647 }
		Item ID	4
	4	Model data	
		Model Code	697647
		Model Family	697
		Part Number	
		Description	Seal Kit - D1VW
		Manufacturer	Parker
		Cost	10
		List Price	

Search the accessories from Library by defining more criteria

Sciecci Accessories nom	Library		
Model code	Manufac	turer	
697	Parker		-
Component type			
Seal Kit			•
Define more criteria			
Cost	<= •	10	
None			
None			
		<u>.</u>	
Available accessories			Search
Model Code	Manufacturer	Description	
697647	Parker	Seal Kit - D1VW	
•			•
Selected accessories	m		Add
Selected accessories Model Code	III Manufacturer D	escription	Add Quantity
Selected accessories	Manufacturer D	escription	Add Quantity
Selected accessories	Manufacturer D	escription	Add Quantity
Selected accessories Model Code	Manufacturer D	escription	Add Quantity
Selected accessories	Manufacturer D	escription	Add
Selected accessories	Manufacturer D	escription	Add Quantity Remove





List Component as First Sub-item



		Hy	Draw Option	s			×
Library Path	Misc	. Ir	nternet Settings	QuickManifol	lds	ER	P Settings
Application	Units	Balloon	Connection	External Port	Parts	List	Ports List
Numbering sch 0 1, 2, 3, 4 1A, 1B, 24 (a) 1.1, 1.2, 2	eme A, 2B A, 2.2		- Type	\bigcirc		None	
 ○ 1-1, 1-2, 2 ○ ISO 1219 Accessory Iten ✓ Display in ✓ As sub ite 	P-1, 2-2 ID In drawing erm of compo	nent	🗌 No ba	lloons on external j	ports		
Nume List c	eric ID Ite	m ID Separat s first sub-ite	Alphabetic ID tor Dash (-)	~			
					OK		Cancel







Unit Converter



Unit Converter Unit Category Convert Pressure Acceleration To Angle From Area Value Value Current 5000 344.7379 Density Dynamic Viscosity Units Units Energy Flow kilograms/square centimeter [kgs/cm^ 🔥 atmospheres [atm] ^ Force kilograms/square meter [kgs/m^2] bars Frequency kilograms/square millimeter [kgs/mm²] centimeters of mercury (0°C) Kinematic Viscosity dynes/square centimeter [dyn/cm^2] kilopascal [kpa] Length feet of water (4°C) megapascal [Mpa] Mass & Weight microbar [ubar] feet of water (60°F) Power millibar [mbar] inch of mercury (32°F) Pressure millimeters of mercury (0°C) inch of mercury (60°F) Speed inch of water (60°F) pascal [pa] Temperature pounds/square feet [b/ft^2] inches of water (4°C) Time pounds/Square inch [psi] kilograms/square centimeter [kgs/cm' Torque tons/square inch [ton/in^2] kilograms/square meter [kgs/m^2] Volume kilograms/square millimeter [kgs/mm ~: torrs [Torr] Volumetric Displacement kilonascal [kna] < > > Close

Converts the value of one selected unit to another selected unit





Library Manager 2013







Enhanced Graphics User Interface

GUI Restructured for easy access and better management







Italian Interface



Italian Interface

📙 Gestore Libreria HyDraw 2013 - [Componenti: Dati di Componenti]										
Componenti Accessori Porte Es	sterne Connessio	ni Sotto-sistemi					۵	() 1)	?	0
Simbolo Vista Modello di Vist	ta Docu	imenti File CAD	Proprietà dei mod	elli Proprietà di progetto Form	ati di	i visualizzazione Tipi di co	mponenti	Gestis	ci Elen	ico +
Cerca per	Modelli disponibili Importa 🗋 Nuovo 👗 📗 Proprietà di modello selezionate				🔍 Salv	⁄a ▼				
Applicazione	Codice Modello	Famiglia	Descrizione	Produttore	-	Tipo				
Hydraulic 👻	04.04.02-40-85-20	04.04.02	Valvola di Control	Bosch Rexroth		Applicazione	Hydraulic			
	04.05.04.00.85-02	04.05.04	Valvola Divisore/	Bosch Rexroth	Ξ	Tipo di componente	Valvola Co	ntrollo Flu	isso - C	iart 🛛
lipo di componente	04.11.48-03-56-10	04.11.48	Valvola Limitatric	Bosch Rexroth		Dati modello				
Tutti i tipi di componente 👻	0T.U5.01.00-02-00	0T.U5.01.00	Valvola di Non Ri	Bosch Rexroth		Codice Modello	04.04.02	0.85.20		-
Produttore	2FRM6K2-1X/0	2FRM*K	Valvola Controllo	Bosch Rexroth		Famiglia	04.04.02	0 03 20		=
Tutti i produttori 👻	332.54	332.54	Manometro	WIKA		Numero Parte		_		
	342.11	312.2	Manometro	WIKA		Produttore	Valvola di Bosch Re	Controllo	Husso	Pri
Codice Modello	4DP01-3E43F10	4DP01	Valvola di Control	Parker		Costo	200001110			
	4DP03-3EB2F20	4DP03	Valvola di Control	Parker		Costo Assemblaggio				
	4DPE01-3E02Q1	4DPE	Valvola di Control	Parker		Prezzo Listino Portata Nominale (gpm)	8			_
	4WE10C3X/CG2	WE10	Valvola Controllo	Bosch Rexroth		Perdite Carico @ Portata	_			
	4WE6E16X/EG2	WE6	Valvola Controllo	Bosch Rexroth		Pressione Nominale {psi	5000			_
	4WE6E6X/EG24	WE6	Valvola Controllo	Bosch Rexroth		Cavita/Maschera/Interfa	CA-10A-3	1		-
	4WE6G6X/EG24	WE6	Valvola Controllo	Bosch Rexroth		Taratura Portata {gpm}				
	4WE6H6X/EG24	WE6	Valvola Controllo	Bosch Rexroth		Pressione Molla Comper	20.25 lb #	/41 47 N		-
	4WE6J6X/EG24	WE6	Valvola Controllo	Bosch Rexroth		Simboli collegati al modello si	elezionato	4	0	×
	4WE6RA6X/EG	WE6	Valvola Controllo	Bosch Rexroth						
	4WRAB6E12-1X	4WRAB	Valvola di Control	Bosch Rexroth						
	4WRTE10V25L	4WRTE	Valvola di Control	Bosch Rexroth			2			
	4WRTE25V25L	4WRTE	Valvola di Control	Bosch Rexroth		[-t _			
	4WRZ10W6-50	4WRZ	Valvola di Control	Bosch Rexroth			×			
	4WRZE25E-100	4WRZE	Valvola di Control	Bosch Rexroth						
	5-4WE10C3X/O	5WE10	Valvola Controllo	Bosch Rexroth			1			
	5-4WE10HA3X/	5WE10	Valvola Controllo	Bosch Rexroth	-					
<u>, </u>										,







Localized Library Data

Localized Properties



Model properties	
Model properties	
Name	Data type
Area Ratio	Text
Assembly Cost	Currency
Beta Ratio	Text
Bolt Shoulder Height	Number
Bore	Number

Design Properties

Design Properties				
Name	Data type	Unit category	Unit	
Cleanliness Rating	Text			
Displacement	Number	Volumetric Di	Cu. in/Rev	
Displacement, Cover End	Number	Volumetric Di	Cu. in/Rev	
Displacement, Middle Section	Number	Volumetric Di	Cu. in/Rev	
<				

Component Types			
Search by	Available Component Types		
Application Hydraulic 🔹	Accumulator Accumulator Discharge Valve - Line Mounted Accumulator Discharge Valve - Screw-in Cartridg Adaptor Plates		
Name	Air Bleed Valve - Line Mounted Air Bleed Valve - Screw-in Cartridge Cavity Plug Check Valve - Flange Mounted Check Valve - Line Mounted		
	Check Valve - Screw-in Cartridge		

Italian

Model properties			
Model properties			
Name	Data type		
Altezza	Number		
Altezza Spalla Bullone	Number		
Altezza Stack	Number		
Caratteristica Speciale	Text		
Categoria Micron	Text		

Design Properties

Design Properties				
Name	Data type	Unit category	Unit	
Classe Filtrazione	Text			
Cilindrata	Number	Cilindrata	CC/Rev	
Cilindrata, Estremità Coperc	Number	Cilindrata	CC/Rev	
Cilindrata, Sezione Intermedia	Number	Cilindrata	CC/Rev	
<				

Component Types

Search by	Available Component Types
Application Hydraulic Name	Accumulatore Adattatore Motore/Pompa Blocco/Manifold e Sottobase Clindro Idraulico Compensatore di Pressione - Flangiabile Divisore/Riunificatore di Flusso - Cartuccia Divisore/Riunificatore di Flusso - In Linea Elemento Logico - In Linea Elemento Logico - In Linea Elemento Logico - Cartuccia





NEW

Link Symbols to Model Code







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