

EasyValve™ –Where Custom HIC Solutions and Creativity Meet!

As Comatrol, a member of the Sauer-Danfoss Group, we engineer, manufacture and supply screw-in Cartridge Valves and Hydraulic Integrated Circuits (HIC) to market-leading quality levels. We work closely with our customers around the world to deliver optimal machine control solutions based on their specific needs.

Our flagship design software EasyValve is the e-destination that takes custom HIC solutions to the next level by providing a streamlined development process from the customer to the Comatrol engineer.

EasyValve's intuitive user interface allows you to proficiently create your hydraulic circuit schematic by simply dragging and dropping from Comatrol's complete digital library of cartridge valves, Cetop valves and accessories.

Capture your technical, commercial and application requirements to accurately document and communicate your custom HIC needs - allowing you to get exactly what you want from the first drawing, reducing the prototype cycle time by as much as half.

Local Address:

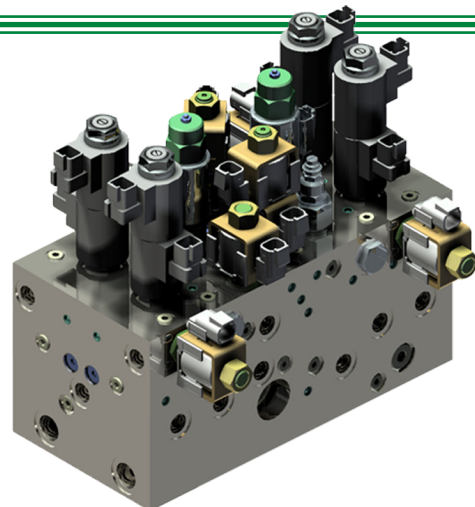


Features

- Search and select the products, ports and machining from library
- Drag and drop onto your Schematic Layout
- Drop-down configuration of your selected items
- Make optimal technical and commercial decisions based on readily available information
- Catalog page included with each valve
- The Project Information Page allows you to capture critical project information
- The Manifold Layout page captures critical dimensional layout information.

Download EasyValve™

www.comatrol.com/easyvalve



The image shows a hydraulic schematic with components labeled A, B, C, D, P, and T. A green arrow points from a 'Valve Catalog' window on the left to a 'Proportional Valve' configuration window on the right. The configuration window displays the following details:

Component Specifications	
Basic Model:	PSV10-34-05
Label:	A
Rated Pressure:	250 bar (3600 psi)
Rated flow:	22 l/min (0.5 gal/min) @ 10 bar (145 psi)
Engrave Label @ 0.00 Char:	
Weight:	0.77 kg (1.70 lb)
Description: This is a non-compensated proportional directional control valve	
Component Options	
Special Valve	
Voltage	12 VDC (12D)
Termination	Deutsch (DE)
Max Regulated Flow	12 l/min (3.2 US gal/min) (12)
Seals	Buna-N (B)
Model Code:	PSV10-34-05-12D-DE-12-B-00
Cavity:	SDC10-4
No price list available	
Material Number:	83009180

**DRAG!
DROP!
DELIVER!**

EasyValve's interface allows you to drag and drop from the library, then easily configure.

Outputs Include

- Project file that stores all your work into one document [.HICS]
- Project Summary [.HTML]
- Schematic in DXF format
- Automation Studio™ output [.HIX] to support your simulation needs



The Project Summary Includes

- Customer and Distributor Information
- Net Price and other Commercial Information
- Technical Parameters
- Schematic
- Manifold Layout
- Bill of Material
- Warnings and Revision History

The screenshot shows the Automation Studio interface with a hydraulic schematic on the left and a performance graph on the right. The graph is titled 'Influence of Command Signal on Distributor Flow at Constant Differential Pressure' and shows 'Theoretical performance' with a pressure drop of 10 bar. The y-axis is 'US gal/min' (0 to 25) and the x-axis is 'Pressure (bar)' (0 to 1.5). A table of properties is also visible:

Property	Value	Unit
Cavity	SDC10-4	-
Max Flow	22	l/min
Rated flow	22	l/min
Rated Pressure	250	bar
Weight	0.77	kg

Export to Automation Studio™ to simulate circuit performance

From inception to installation, EasyValve™ ensures that the first prototype is the right prototype. See for yourself what responsiveness in motion looks like firsthand. Download EasyValve™ at www.comatrol.com/easyvalve