

verity®

SKID

Optimize your production time, costs, and quality

DATA SHEET | PURIFICATION

VERITY® SKID

The VERITY® SKID is designed for use in preparative and industrial liquid chromatography (LC). The system automatically elutes the mobile phase, injects a solution, detects molecules by UV/VIS absorbance (by default 200 to 600 nm), and collects fractions when connected to a LC column, such as HPLC, MPLC, or CPC. Several of the features detailed below can be customized for your needs.

Reliable and Powerful

- Operates at a maximum pressure of 100 bar (1450 psi)
- Up to 5 L/mn fast elution pump available in isocratic (1 pump) or binary (2 pumps) versions
- Elution piston pump achieves 2% flowrate accuracy and 0.5% flowrate repeatability for faster cleaning and optimized production time, along with improved reliability for production, cost-planning, and quality
- Pressure transmitters, alarms, and leak sensors make for improved performance and control of the fluidic journey

Easy-to-Use and Flexible

- Structure is solvent-resistant and compatible with a wider range of applications
- Reinforced rotative wheels equipped with directional locks and brakes for easy mobility onsite
- Easy-to-use software allowing automated stack injections and a preset list of methods for automated production
- Backflush valves for ascending and descending modes, which allow for safer and easier use with dual rinsing and dual modes

Safe and Compliant

- Controlled by a certified 21 CFR part 11 chromatographic software specifically designed for production
- Software allows for automatic recording of process data that can be shared via customer's network, and customizable reports and alerts for full control of actions done during processing
- CE and ATEX certified for use in a potentially explosive atmosphere and equipped with FDA compliant spare parts and consumables



VERITY® SKID is available in Open or Closed versions

VERITY® SKID system configurator

The Gilson VERITY SKID system can be customized according to your needs and applications. Please design your system by indicating which configuration and peripherals you would require.

ATEX compliance  (II 3 G): Yes No **GMP compliance:** Yes No

Elution:	500 mL/min	1L/min	3L/min	5L/min
	100 bar (1450 psi)			
AP Pump (1 pump)				
AP-HPG2 Pump (2 pumps ¹)				

¹Binary High-Pressure Gradient

Injection:	Yes	500mL/min	1L/min	3L/min
		100 bar (1450 psi)		
AP Pump (1 pump)				
Through main Elution pump				

Valves:	Yes	No	2 inlets	3 inlets	Manual	Automatic
	Solvent selector for Elution pump					
Sample selector for Injection pump						
Purge valve			not applicable			
Backflush valve (Automatic)			not applicable			
Recycling valve (Automatic)			not applicable			
Column selection valve			not applicable			
Column bypass valve			not applicable			

Detection / Collection:	Yes	Details
	UV monochromator Single wavelength detector	
UV monochromator Dual wavelength detector		WLs: nm + nm
UV-VIS Detector, 4-wavelength DAD, 200-400 nm		
UV-VIS Detector, 4-wavelength DAD, 200-600 nm		
UV-VIS Detector, 4-wavelength DAD, 200-800 nm		
Other detector		
Collector multivalves		Number of ways: (maximum 11)

Open vs Closed VERITY SKID Option: Open Closed

Other requirements:
