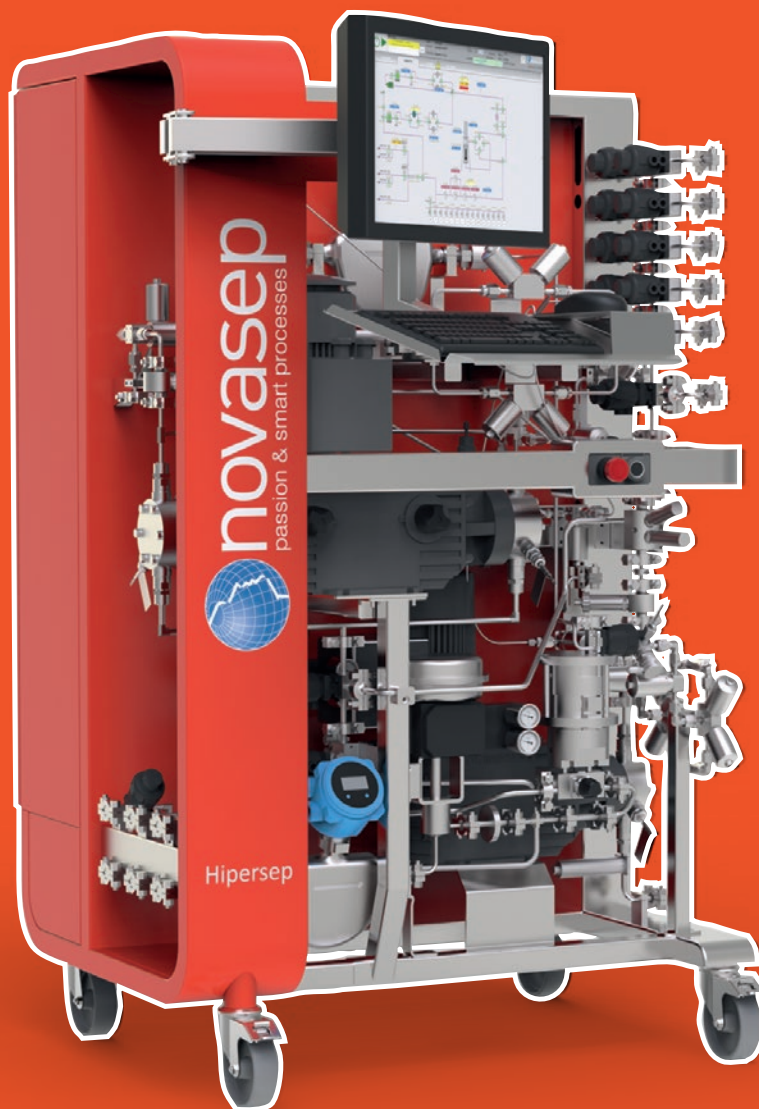


PROCHROM[®] HIPERSEP[®] PILOT

THE WORLD LEADING PREPARATIVE HPLC SYSTEM
FOR PHARMACEUTICAL MOLECULES



A NEW CONCEPT IN THE HPLC WORLD



HIGHLY FLEXIBLE:
OVER A 1,000
POSSIBLE
CONFIGURATIONS
FIT WITH COLUMNS
FROM 50
TO 150MM I.D.



**SANITARY
CONCEPT:**
EASY-TO-CLEAN,
MINIMIZED
RISK OF CROSS-
CONTAMINATION




**COMPACT &
ERGONOMIC:**
FITS ANYWHERE!



novasep
passion & smart processes

PROCHROM® HIPERSEP PILOT

MAIN CHARACTERISTICS

FLOW RATES RANGE (LPH)	6 to 90
MAX OPERATING PRESSURE (BARG)	100
OPERATING TEMPERATURE (°C)	5 to 60
CLEANABLE DESIGN	Diaphragm valves & clean fittings Wetted parts < 0.8 µm Ra (32 µ-inches Ra)
EXPLOSION PROOF DESIGN (OPTIONAL)	 II 3G IIB T4
AUTOMATION	SCADA interface on WINDOWS 10 Software Controller GAMP guidelines and FDA CFR 21 Part 11 regulations
ELECTRICAL	CE version : 230 VAC 2 phases UL version : 208 VAC 3 phases Power consumption : 2kW
WEIGHT AND DIMENSIONS	From 400 kg to 500 kg depending of the selected options 1600 mm H x 1000 mm W x 750 mm D (without screen)
STANDARD & NORMS	EC Machine Directive EC Low Voltage Directive EC Electro Magnetic Compatibility Directive UL508A (for US version)

FUNCTIONALITIES

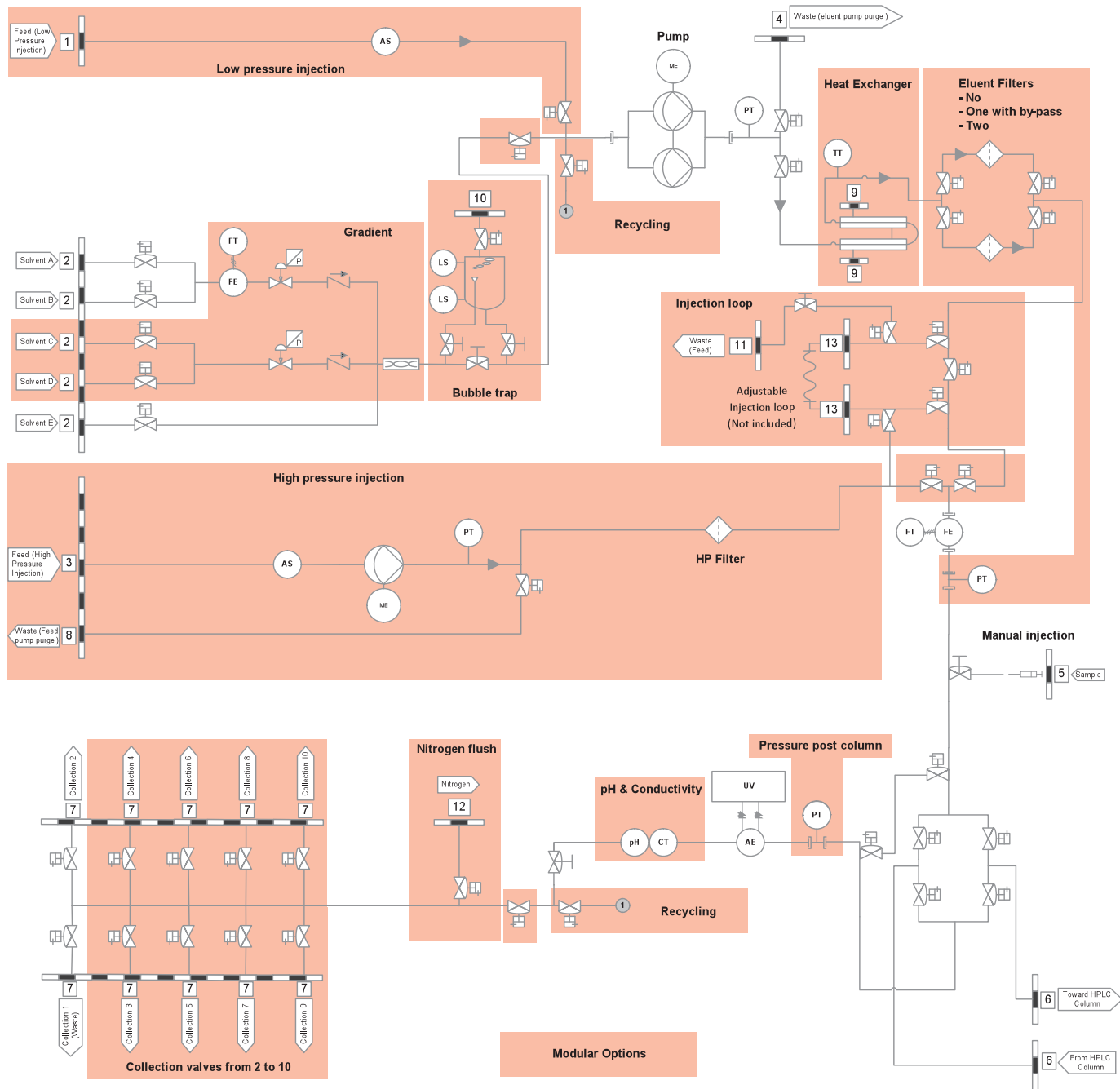
Basic system

ELUENT INLET LINES	3 inlets at the suction of the main pump
HETP CALCULATION	Manual injection for HETP measurement Automatic calculation
CONFIGURATION VALVES	Column up-flow/down-flow and by-pass valves 2 fraction valves
DETECTOR	3 simultaneously wavelengths measurement UV/VIS variable wavelength (200 to 600 nm)

Modular Options

GRADIENT	Binary analog gradient (5 to 95% ± 1.0%)* 4 inlet lines, 2 analog valves & 1 flowmeter. * ± 2.0% below 10 L/h
INJECTION	Low pressure injection by the main pump High pressure injection line Automatic injection loop Cyclojet patented process
BUBBLE TRAP	Yes, with automatic level management at the suction of the main pump
HEAT-EXCHANGER	Yes
ELUENT FILTERS	Single or dual filters before the column with or without automatic by-pass
DETECTORS	pH and Conductivity sensors after the column Pressure post column
RECYCLING	Yes
FRACTIONS	Configurable collection valves from 2 to 10 Nitrogen flush for product recovery

Flow Chart





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