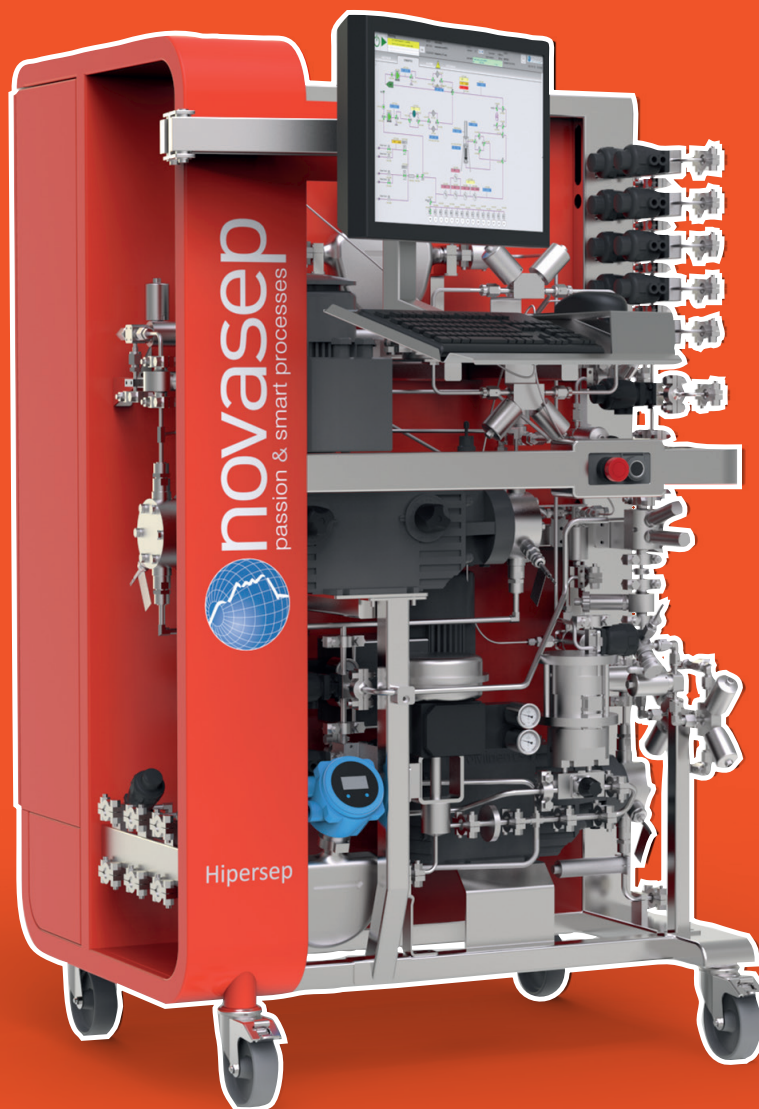


PROCHROM[®] HIPERSEP PILOT

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 7 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

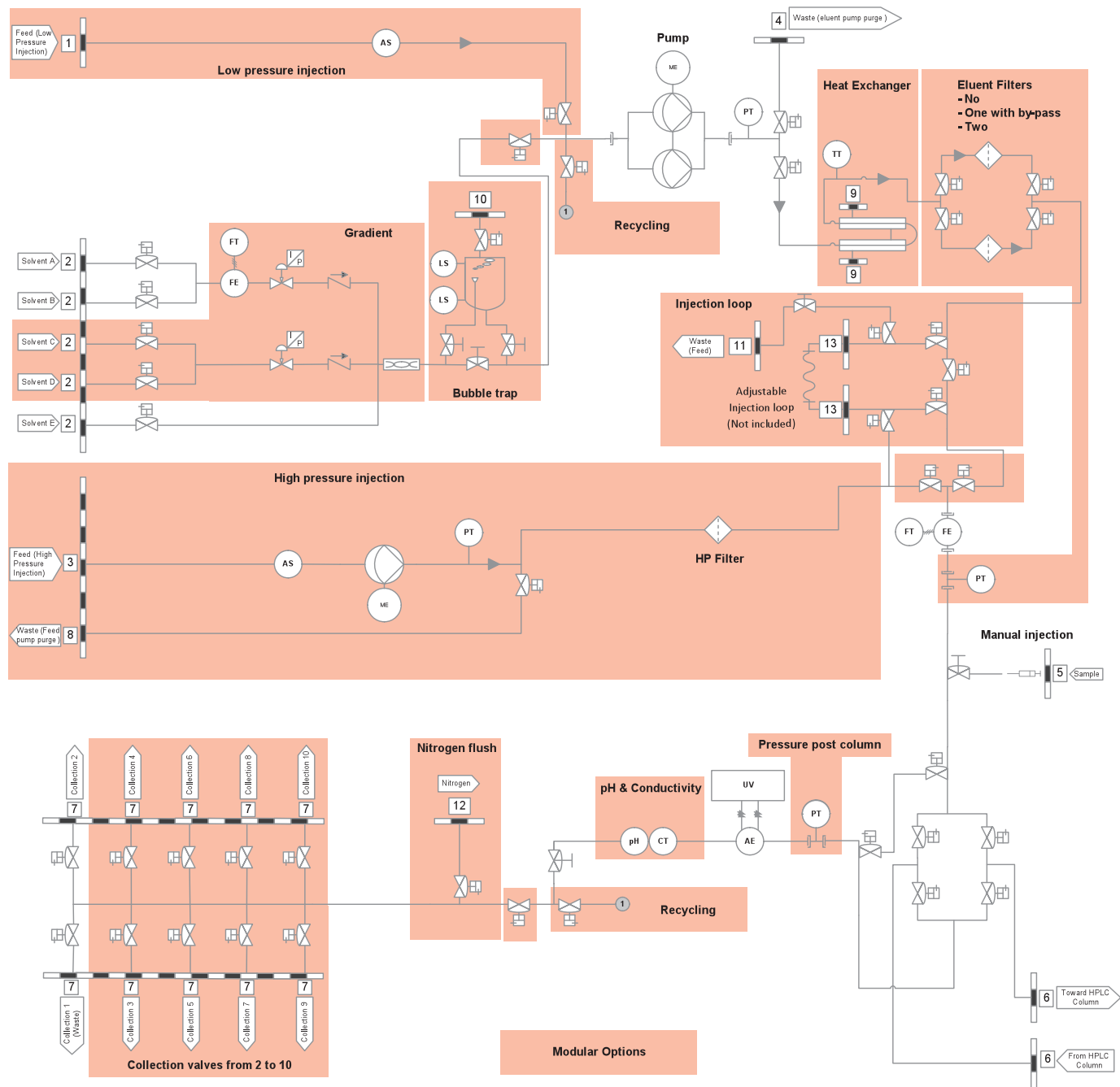
Basic system

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





SERVICES AND TECHNOLOGIES FOR THE LIFE SCIENCE INDUSTRIES

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