System Specifications:

PUMPS	Embedded microcontroller based Precision Stepper Motor driven
NO OF ROLLERS	Eight (MoS_2 Filled Nylon Rollers)
NO OF CHANNELS	2 (Two on each pump)
SUPPLY VOLTAGE	220 V,50Hz Single phase a c
PUMP TUBING (SILICONE TUBING)	(a) 0.05ml-1.0 ml (b) 0.5 ml-3.0 ml (c) 1.0 ml-9.0 ml
PUMP HEAD & PRIMING	Snap fit cassette's made of Derlin with adjustable pressure ratchet. Auto priming when pressure ratchet properly adjusted.
TUBE LIFE	100 Hours.
DUTY CYCLE	Continuous for 100 hours.
MOTION CONTROL	Embedded microcontroller ATM162 based precision stepper motor control.
RPM	10-90 in steps of 10, switch selectable through front panel push button keyboard & 16 X 2 backlit alpha numeric display or commanded through RS232 by host system.
PUMPING ACCURACY	$\pm$ 0.5% of the calibrated flow
MIXING UNIT	The all new all Teflon four port mixer unit with integrated one meter long Teflon FEP tubing prevents any contamination due to corrosion.
GAS CONTROLS	In-line pressure regulator, integrated pressure sensor wired as an interlock, Rota meter & purge gas solenoid.
GAS LIQUID SEPERATOR	A unique gas liquid separator made of glass, efficient in separation of hydride gas from the waste liquid that is effectively drained from the system. A nitrogen jet in case of AAS or argon jet to drive the gas into the burner/ICP Plasma.
USER INTERFACE	Back lit Alpha numeric LCD with four push button user interface or RS232 Serial commands from Host.