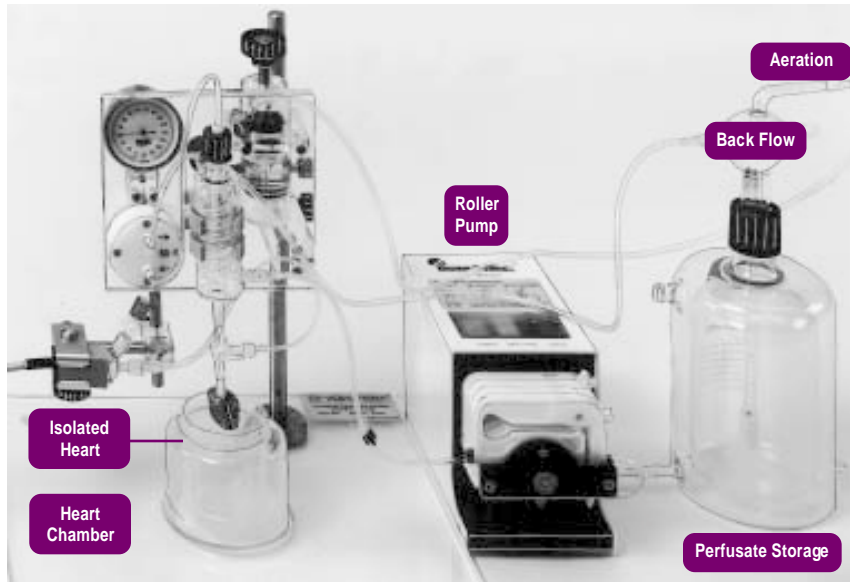
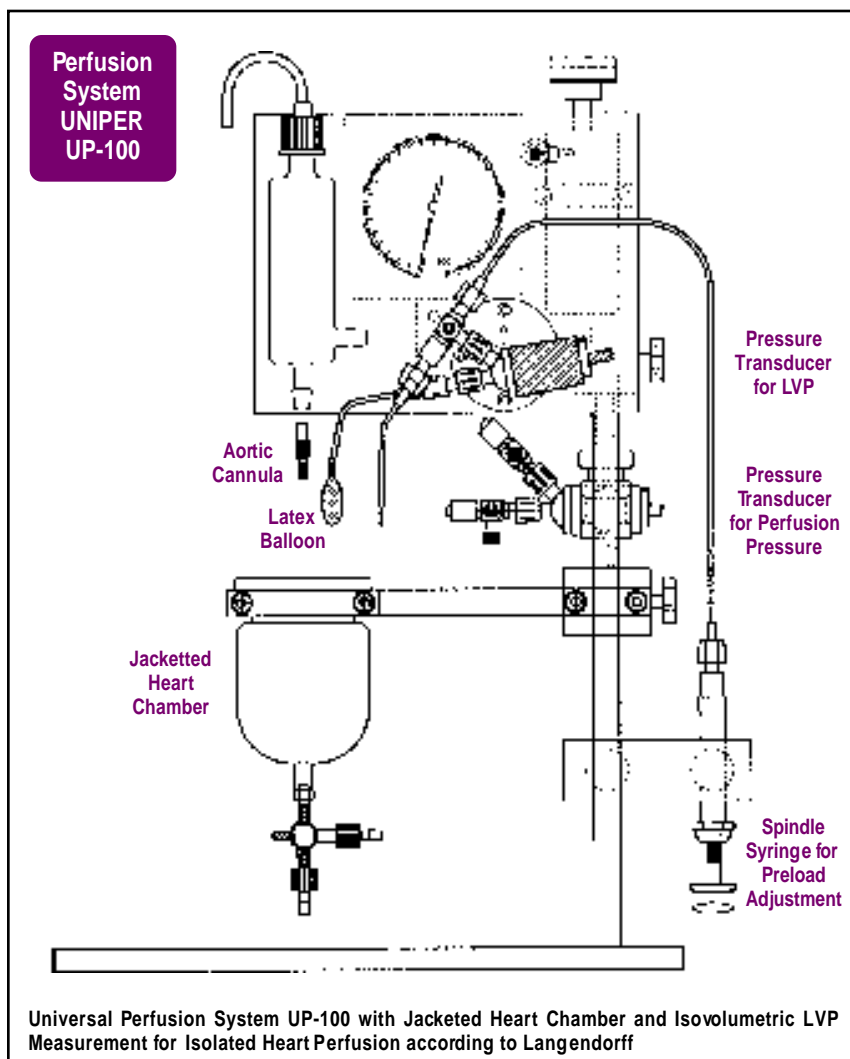


Perfusion System UP-100 Equipped with Jacketed Heart Chamber and Isovolumetric LVP Measurement Unit



- For isolated mouse, rat or rabbit heart perfusion according to Langendorff
- Constant flow or constant pressure perfusion using the same equipment
- Easy and compact
- Application
 - If isolated heart is only used occasionally
 - For student lab

For the perfusion of the isolated heart according to Langendorff, the universal perfusion system UP-100 can be equipped with a jacketed heart chamber and the additional measurement system for isovolumetric LVP using a latex balloon with spindle syringe for diastolic pressure adjustment. The setup represents a compact unit. It can be used for constant pressure or constant flow perfusion of isolated hearts of mice, guinea pigs, rats and small rabbits as long as the coronary flow is below 100 ml/min. The heart is connected via the aortic cannula to the heat exchanger which acts also as bubble trap. The equipment for measurement of coronary flow or for electrogram can also be adapted. If perfusate containing albumin or erythrocytes is used, the oxygenation can be optimized with the additional bulb oxygenator.



Universal Perfusion System UP-100 with Jacketed Heart Chamber and Isovolumetric LVP Measurement for Isolated Heart Perfusion according to Langendorff

Catalog No.	Product
CGS 8648.73	Heart Chamber to UP-100 System (Size 3 Rodents)
CGS 8649.73	Parts for Adoption of UP-100 for Langendorff Heart Perfusion
CGS 8650.73	ISOTEC Pressure Transducer
CGS 8651.73	Holder for ISOTEC for LVP Measurement
CGS 8652.73	Three-Way Stopcock Type 9560 R
CGS 8653.73	TAM-A PLUGSYS Transducer Amplifier Module
CGS 8654.73	Balloon Kit for Small Hearts