



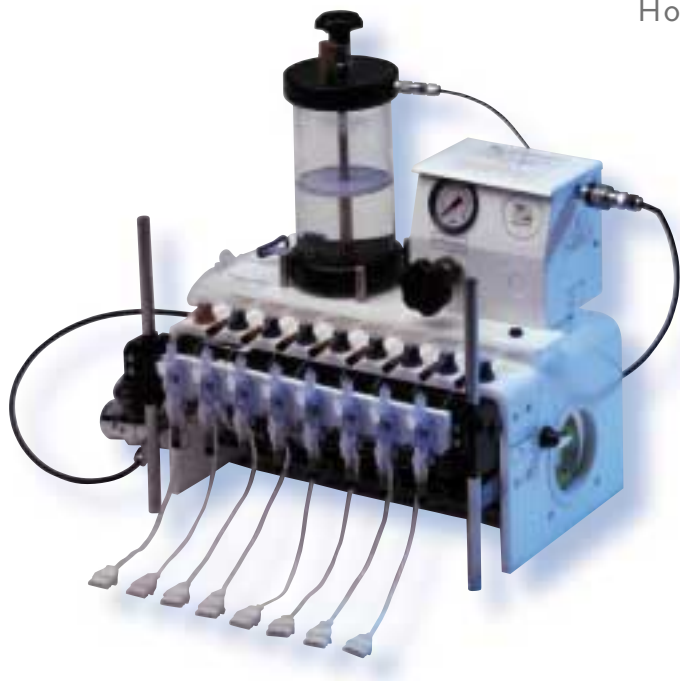
Dentsleeve Pumps

The Dentsleeve Pump is a gas pump designed to meet a variety of needs within water perfused manometry. It features autoclavable manifolds, easily cleaned parts and simple to change resistory capillaries to ensure the flow rate you need. See next page for the horizontal pump and resistors.

Vertical Deck Pump

<u>Item no.</u>	<u>Description</u>	<u>Qty</u>
9043B2211	Dentsleeve Vertical Deck Pump, 8 ch	1

Horizontal Pump Systems for Polygraf ID and PC Polygraf HR



Pump Systems

Item no.	Description	Qty
9043H0181	Dentsleeve Pump Perfusion System for Polygraf ID including the following:	1
	8 ch Dentsleeve Gas Perfusion Pump	1
	PVB Pressure Transducer	8
	8 ch PVB Transducer Cable	1

Item no.	Description	Qty
9043H0171	Dentsleeve Pump Perfusion System for PC Polygraf HR including the following:	1
	8 ch Dentsleeve Gas Perfusion Pump	1
	PVB Pressure Transducer	8
	PVB Transducer Cable	8

Pumps

Item no.	Description	Qty
9043H0101	8 ch Dentsleeve Gas Perfusion Pump	1
9043H0111	16 ch Dentsleeve Manometric Infusion Pump	1

Resistory Capillaries

The Resistors for the Dentsleeve Pump are simple to change and allow you to choose the flow rate you need.

Resistory Capillaries

Item no.	Description	Qty
9012D1201	Dentsleeve R-1 Resistor, flow rate 0.01 ml/min	1
9012D1211	Dentsleeve R-2 Resistor, flow rate 0.02 ml/min	1
9012D1221	Dentsleeve R-4 Resistor, flow rate 0.04 ml/min	1
9012D1231	Dentsleeve R-8 Resistor, flow rate 0.08 ml/min	1
9012D1241	Dentsleeve R-10 Resistor, flow rate 0.10 ml/min	1
9012D1251	Dentsleeve R-15 Resistor, flow rate 0.15 ml/min	1
9012D1261	Dentsleeve R-20 Resistor, flow rate 0.20 ml/min	1
9012D1271	Dentsleeve R-30 Resistor, flow rate 0.30 ml/min	1
9012D1281	Dentsleeve R-45 Resistor, flow rate 0.45 ml/min	1
9012D1291	Dentsleeve R-60 Resistor, flow rate 0.60 ml/min	1

Manometry Accessories



Mui Pump Systems for Polygraf ID and PC Polygraf HR

The Mui Pump is an electrically powered pump for water perfused manometry and does not require a gas-bottle. The Mui Pump is a practical and effective tool for your water perfused studies and can be purchased with a complete set-up of Pressure Transducers and Cables.

Mui Systems

Item no.	Description	Qty
9043H0311	Mui Scientific Pump Perfusion System for Polygraf ID including the following:	1
	8 ch Mui Scientific Electrical Infusion Pump	1
	PVB Pressure Transducer	8
	8 ch PVB Transducer Cable	1
	Single Transducer Holder	8

Item no.	Description	Qty
9043H0301	Mui Scientific Pump Perfusion System for PC Polygraf HR including the following:	1
	8 ch Mui Scientific Electrical Infusion Pump	1
	PVB Pressure Transducer	8
	PVB Transducer Cable	8
	Single Transducer Holder	8

Mui Pump

Item no.	Description	Qty
9043H0121	8 ch Mui Scientific Electrical Infusion Pump	1

Manometry Studies with Pump Systems

The pump perfusion systems ensure accurate and reliable results:

The pump system supplies a high driving pressure allowing the system to accurately measure high esophageal pressure wave peaks.

The pump system ensures a constant water flow and stable driving pressure during the entire procedure.

Low Cost Perfusion System

The low Cost Perfusion System is an option for measuring pressure using water perfusion. The system does not include a gas or electrical pump and is a cost-effective solution. However, for recordings with more than 4 channels we recommend a Perfusion Pump to obtain a high level of accuracy.

The Low Cost Perfusion System consists of the following:

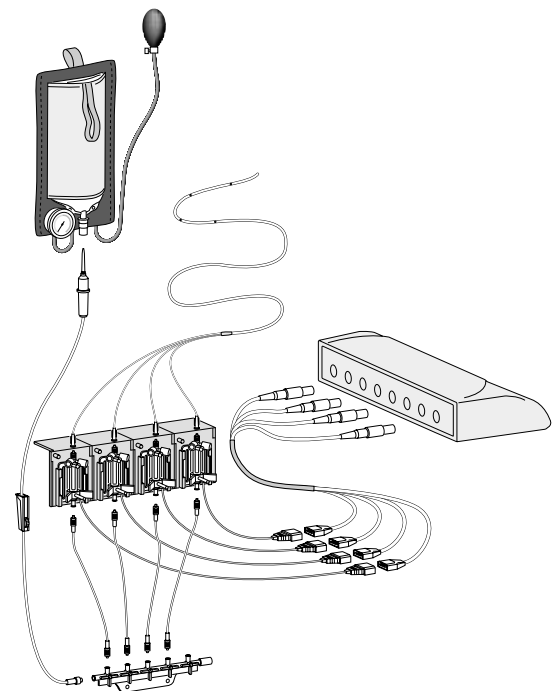
- Pressure Cuff
- Micro Drip set
- PVB Transducers
- Manifold Support Plate
- Transducer Cable
- Gender Changer
- Transducer Holder
- Calibration Sticker



PVB Perfusion Systems

Item no.	Description	Qty
9043H0151	Low Cost Perfusion System Kit, 4 ch for Polygraf ID	1
9043H0141	Low Cost Perfusion System Kit, 6 ch for Polygraf ID	1
9043H0131	Low Cost Perfusion System Kit, 8 ch for Polygraf ID	1
G98-3070	Low Cost Perfusion System Kit, 4 ch for Polygraf HR	1
G98-3080	Low Cost Perfusion System Kit, 6 ch for Polygraf HR	1
G98-3090	Low Cost Perfusion System Kit, 8 ch for Polygraf HR	1

To set up the system use a Pressure Cuff to apply pressure to a water bag with a Micro Drip Set attached. The water flows through the Manifold Support Plate, which diverts the flow of water to the Pressure Transducers that are connected via the Gender Changers. The Pressure Transducers are attached to the catheter and the recording device.



Manometry Accessories

Perfusion Accessories

Below is the range of accessories for your water perfusion setup. With this range you can buy the single items that you need for your system. The complete kits to get you started with water perfusion manometry can be seen on pages 14-16.

Choose the appropriate Pressure Transducer for your water perfusion system:

Transducers with Built-in Capillary for the Low Cost Perfusion System.

Transducers with no Capillary for both the Mui Pump and Dentsleeve Pump.



Perfusion Accessories

Item no.	Description	Qty
9012K1001	PVB Pressure Transducer, Built-in Capillary	1
9012K1021	PVB Pressure Transducer, No Capillary	1
9028P0151	Pressure Cuff	1
9012K1011	Single Transducer Holder	1
9012D1121	Micro Drip Set	1
9012D1171	Manifold Support Plate, 5 ch	1
9012D1181	Manifold Support Plate, 3 ch	1
9012D1191	Gender Changer	1
9012K1061	Wingless Pressure Transducer	1
9012D2102	Calibration Sticker	1

Cables

Item no.	Description	Qty
9012C1031	4 ch PVB Transducer Cable for Polygraf ID, 80 cm	1
9012C1041	6 ch PVB Transducer Cable for Polygraf ID, 80 cm	1
9012C1051	8 ch PVB Transducer Cable for Polygraf ID, 80 cm	1
9012C1021	8 ch PVB Transducer Cable for Polygraf ID, 250 cm	1
G98-3564	4 ch PVB Transducer Cable for Polygraf HR, 100 cm	1
G98-3262	PVB Transducer Cable for Polygraf HR, 100 cm	1
G98-3062	PVB Transducer Cable for Polygraf HR, 250 cm	1

Useful hints when performing water perfused manometry:

It is a good idea before starting each study to run the perfusion pump for approximately 10 minutes in order to flush the system through.

Air bubbles in the system can be removed by gently tapping the transducer or catheter close to the bubble.

Remember to keep the water source free from particles as they might clog the system and affect the pressure reading