

Precision Syringe Pump Accessories

Accessories for Syringe Pumps



BS4 55-3337 Continuous Delivery Valve Box - High Pressure

Continuous Delivery Valve Box

The Continuous Delivery Valve Box for Normal Pressure is supplied with 3.2 mm ID x 6.4 mm OD (1/8 x 1/4 in) silastic tubing and a connector cable to the syringe pump. For use with the pump 33 (BS4 55-3333) only. Maximum pressure 30 p.s.i.



BS4 55-3336 Normal Pressure

The Continuous Delivery Valve Box High Pressure has the valve assembly with lines for two syringe connections. Made of 304 stainless steel throughout it with 6.4 mm (1/4 in) ID stainless steel tubing with SWAGELOK® Fittings and the connector cable to the syringe pump. For use

with the pump 33 (BS4 55-3333) only. Maximum pressure 200 p.s.i. Wetted parts are stainless steel and viton.

Catalog No.	\$	Product
BS4 55-3336		Syringe Pump 33 Continuous Delivery Valve Box, Normal Pressure
BS4 55-3337		Syringe Pump 33 Continuous Delivery Valve Box, High Pressure

Daisy-Chain Connector and Cable

For use with PHD 22/2000, see pages A12 to A15; Pump 4400 Hpsi, see page A18; Pump 33, see page A11; Pump 66/77, see page A43; PHD 22/2000 Hpsi, see page A16; and Pump 22, see page A10 (requires BS4 72-2479 Interface Box). Up to 100 syringe pumps (PHD 22/2000, Pump 22, Pump 33, and Pump 4400 Hpsi) can be joined together by Daisy-Chain cables and operated from a single computer. A single BS4 55-4145 Daisy-Chain Connector is required to connect the computer to the first pump in the chain. One Daisy-Chain cable BS4 55-7760 or BS4 72-2478 is required for each additional pump in the chain.

Catalog No.	\$	Product
BS4 70-2022		Daisy-Chain Connector, 9 pin D-Sub
BS4 55-4145		Daisy-Chain Connector, 25 pin D-Sub
BS4 55-7760		Daisy-Chain Cable, Interconnects 2 Pumps, 0.6 m (2 ft)
BS4 72-2478		Daisy-Chain Cable, Interconnects 2 Pumps, 1.8 m (6 ft)

Pump 22 Reversing Switch

Allows pump to operate in either Infusion or Withdraw modes. Requires Withdrawal Bracket (call for details) which is not included.

Catalog No.	\$	Product
BS4 55-2217		Pump 22 Reversing Switch



'Auto Fill' Valve Box - Normal Pressure

- Available for normal or high pressure

'Auto Fill' Valve Box

The 'Auto Fill' valve box for normal pressure has a one sided pinch assembly. For use with the PHD 22/2000 (Infuse/ Withdraw and Programmable models only, see page A12, and the pump

4400 Hpsi, see page A18. Supplied with 3.2 mm ID x 6.4 mm OD (1/8 x 1/4 in) silastic tubing and 115/230 VAC, 50/60 Hz electrical connector with syringe pump connector cable. Maximum pressure 50 p.s.i.

The 'Auto Fill' valve box for high pressure is for use with PHD 22/2000 Infuse/Withdraw and Programmable models only, see page A12, and the pump 4400 Hpsi, see page A18. 304 stainless steel throughout. Supplied with 6.4 mm (1/4 in) ID stainless steel tubing with SWAGELOK® fittings to mate with Harvard stainless steel syringes, and 115/230 VAC, 50/60 Hz electrical connector with syringe pump connector cables. Maximum pressure 200 p.s.i. Wetted parts are stainless steel and viton.

Catalog No.	\$	Product
BS4 55-1146		'Auto Fill' Valve Box - Normal Pressure
BS4 55-1145		'Auto Fill' Valve Box - High Pressure



Audible Alarm

Activated when the syringe reaches the end of its travel or back pressure exceeds the capacity of the Pump. Plugs into a 9-pin or 25-pin TTL connector. Measures 6.4 x 6.4 x 1.3 cm (2-1/2 x 2-1/2 x 1/2 in). For use with Pump 33, see page A11; Pump 4400 Hpsi, see page A18; and Pump 22, see page A10.

Catalog No.	\$	Product
BS4 55-2317		Audible Alarm



Foot Switch

The foot switch is for use with all Versions of the PHD 22/2000, see pages A12 to A15; all Versions of the Pump 4400 Hpsi, see page A18; Pump 33, see page A11; Pump 66/77, see page A43; and Pump 22, see page A10 (requires BS4 72-2479 - Interface Box). This start/stop foot switch which plugs into the 9-pin TTL connector provides 'hands-off' control.

Catalog No.	\$	Product
BS4 55-4144		Foot Switch