



Model BF9110 Feeder Bottle Filler General Specification

1.0 Description:

1.1 The SMC Model BF9110 shall be a manually operated, conveyORIZED, manifold type filler designed for filling basket loads of feeder bottles used in the care of laboratory animals.

2.0 Dimensions:

MODEL	Basket	Filler	Conveyor	Overall Machine
9110	20" W x 16" L x 12" H	18" W x 48" H	24" W x 96" L	30" W x 96" L x 72" H
9110A	20" W x 16" L x 12" H	18" W x 48" H	24" W x 96" L	30" W x 96" L x 63" H

(maximum dimensions shall vary according to bottle size and custom conveyor length)

3.0 Operation:

A basket load of clean bottles with bottle retaining cover removed shall be placed on the conveyor and pushed under the manifold filler to the basket stops. Operator shall open valve, filling all bottles simultaneously. If Automatic Operation option is selected, operator shall momentarily depress fill button, which shall energize filling system and automatically fill all bottles to the set level.

4.0 Details of Construction:

- 4.1. The drain pan and legs shall be constructed of 14 gauge type 304 Stainless Steel with a no. 3 finish. Drain pan and legs shall be integrally welded with water tight welds.
- 4.2. The filler manifold shall be constructed of type 304 Stainless steel square tubing with individual machined jets for each bottle.
- 4.3. Quick operating fill valve shall be a 1/4 turn ball valve of brass or stainless steel construction with Teflon seals and seats.
- 4.4. Conveyor shall consist of stainless steel rollers, conveyor frame, and adjustable legs.

5.0 Utility Requirements:

	Water Supply	Drain Connection	Electrical
Model BF9110	3/4 FPT	1 1/4 FPT/DWV	110 volt, 10A, 60 hz.
Model BF9110A	3/4 FPT	1 1/4 FPT/DWV	110 volt, 3A, 60 hz.

6.0 Optional Features:

6.1. **Interchangeable Filler Manifold:** Filler shall be supplied with a quick disconnect attachment for filler manifold and an additional manifold(s) for accommodating different bottle sizes.

6.2. **Automatic Operation (Model BF9110A):** Filler shall be equipped with a solenoid water valve and a push button reset timer for automatic operation. Electrical control panel shall include main power on-off switch and push button reset timer. A 10-foot long power cord with 15 ampere standard plug shall be included.

6.3. **Stainless Steel Components:** Filler shall be provided with stainless steel piping, valve, and jets for use with acidified or chlorinated water.

6.4. **Filler Proportioner:** Unit shall be provided with an automatic filler proportioning unit which will automatically proportion and admix customer provided chemicals to be used to fill bottles