

# FEATURES

## **New Combination Filler Pneumaflow-Accuflow**

By the addition of the level sensing module to the Accuflow Control Box, the user can realize the added flexibility of filling, on the same machine, either to a cosmetic fill level (Pneumaflow) or to an exact volume (Accuflow).

This feature is ideal for packagers who must be concerned with filling both clear and opaque containers on the same production line. It's as easy as the flip of a selector switch to go from one mode to the other, and the user then has all the benefits of both the Pneumaflow and Accuflow fill systems:

- Positive Control Bottle Handling
- Fill Wide Range of Product Viscosities
- Fill Foamy Products
- Adjust Level or Volume on the Fly
- No Overflow, No Recirculation
- Handle Flimsy, Odd Shaped Containers
- Handle Large Volume Range

**Automatic Priming** — new top-in, top-out cylinder arrangement eliminates need to manually bleed air from system.

**Individual Control on Displacement Cylinder** — down stroke of cylinder can be adjusted to best flow pattern of liquid, and retraction can be made faster to refill chamber — much more filling time is available than allowed by normal equally divided cycle.

**Good Container Control** — nozzle guide centering bell takes over while container is still under control of intake spider and is not lifted until it reaches discharge spider — this means higher speed operation with many shapes of cans, jars or plastics with no spillage.

**Quick Volume Change** — calibrated spacers are inserted to limit return stroke of cylinder to change the volume within the range of cylinder supplied.

**Positive Displacement Principle** — there are no seals made at container mouth which means there is no recirculation or loss of vapor through vacuum.

**Micrometer Adjustment for Initial Phasing** — each filling head is equipped with micrometer so that all heads can be phased in or

adjusted for minute weight changes between product batches.

**Self-Adjusting Seals** — two Teflon spring-loaded seals at top of fluid chamber automatically compensate for wear.

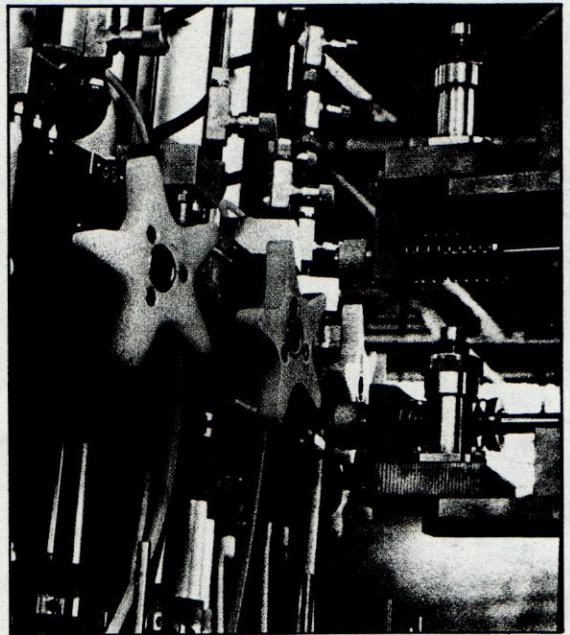
**No Bottle, No Fill Device** — design is different than most volumetric fillers in that displacement cylinder will not plunge to send charge back to supply tank causing aeration difficulties. Each head is equipped independently, so filling of one container is not related in any way to presence or absence of others.

**Quick Liquid Chamber Removal** — unit assembly may be removed without tools.

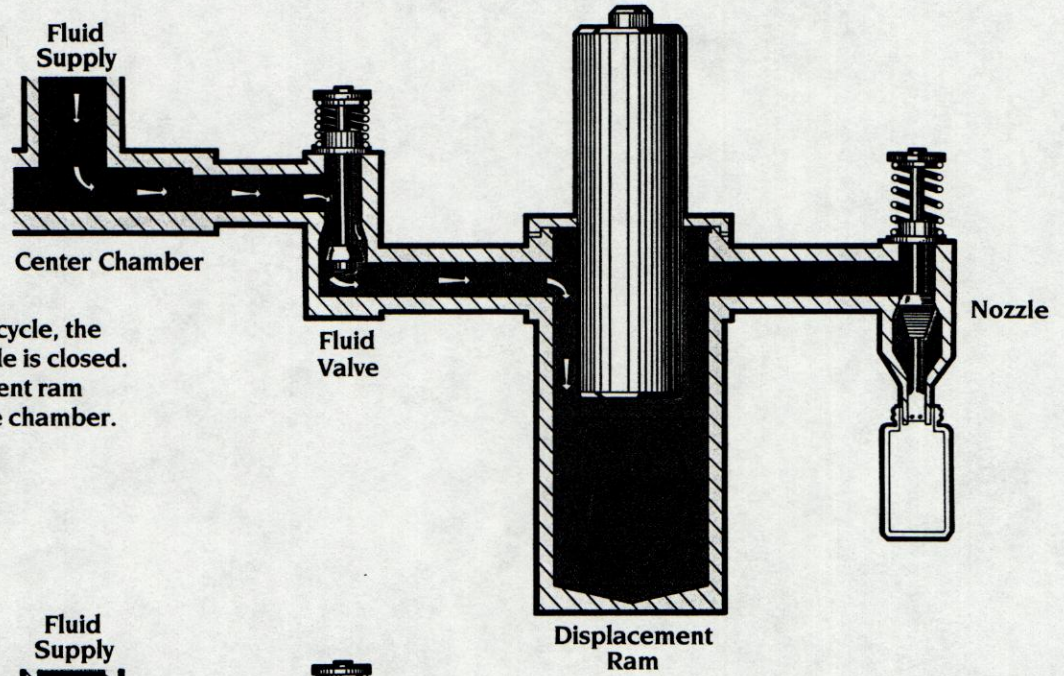
**Two Stage Fill** — the simple addition of a second charge and refill cycle at rear of machine provides twice the volume.

**Sanitary System** — cylinder assembly is designed to meet most requirements for filling food products, as well as industrial applications.

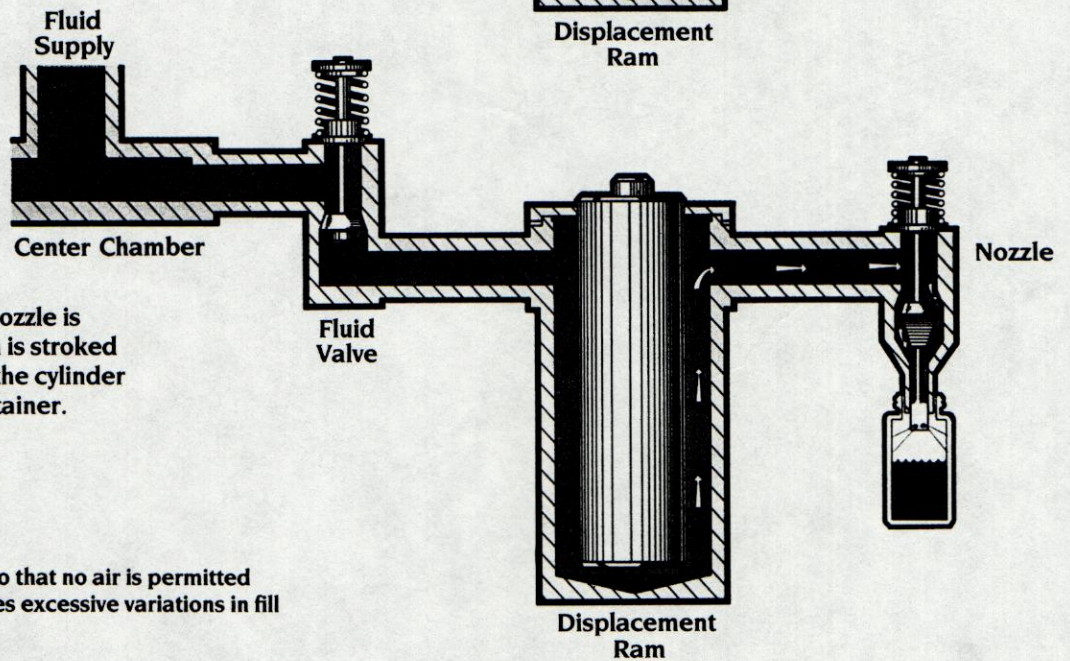
**Program Fill Device** — provided as optional equipment on Accuflow, is a system of programming for reduction of flow rate at end of fill cycle to prevent splash of product as required by shoulder design of container.



**In-Motion Volume Adjustment** — incremental volume adjustments can be made to all heads while the machine is running, either by manually pushing a button or automatically activating it through interface with checkweigher

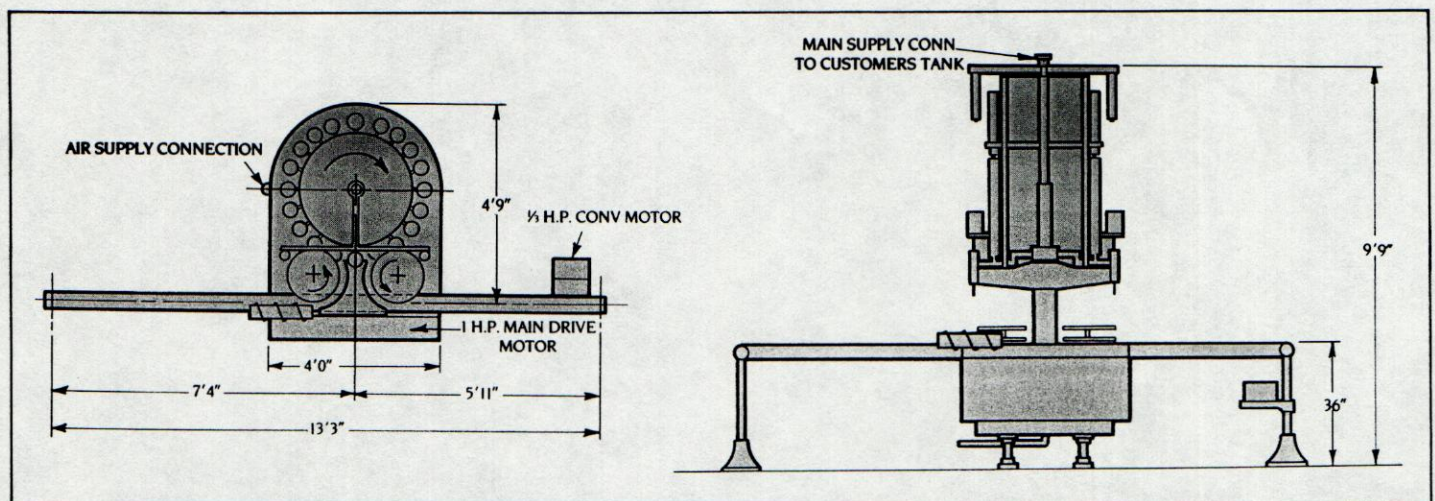


At the beginning of the charge cycle, the fluid valve is open and the nozzle is closed. The up stroke of the displacement ram allows the liquid to flow into the chamber. It is now ready for the fill cycle.



The fluid valve closes and the nozzle is opened. The displacement ram is stroked down pushing the liquid out of the cylinder through the nozzle into the container.

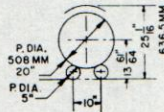
Note that the system is designed so that no air is permitted within the fluid chamber. Air causes excessive variations in fill volume which cause inaccuracies.



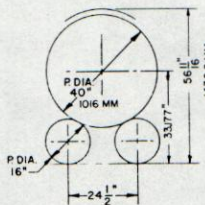
# Filler Specifications

Frame	Heads	Container Size					Speed	Number of Pockets	Pitch
		Maximum Diameter	Minimum Diameter	Maximum Rectangular Dimension	Maximum Height	Minimum Height			
<b>A</b>	8	3" 76mm	3/4" 19mm	3 3/4" x 1 1/2" 95 x 38mm	12" 305mm	1 1/2" 38mm	100	2	7 7/8" 200mm
	16	3" 76mm	3/4" 19mm	3" x 1 1/2" 76 x 38mm	12" 305mm	1 1/2" 38mm	180	4	3 15/16" 100mm
<b>B</b>	10	6 3/4" 172mm	2 1/2" 64mm	9 1/4" x 5 1/8" 235 x 130mm	14" 356mm	2 1/2" 64mm	100	4	12 9/16" 319mm
	20	5 5/8" 143mm	1 1/2" 38mm	5 1/8" x 3 9/16" 130 x 91mm	14" 356mm	2 1/2" 64mm	200	8	6 9/32" 159.5mm
	25	4 1/2" 114mm	1 1/2" 38mm	4" x 3 1/2" 102 x 89mm	14" 356mm	2 1/2" 64mm	250	10	5 1/32" 127.7mm
	30	3 3/4" 95mm	1 1/2" 38mm	3 1/2" x 2" 89 x 51mm	14" 356mm	2 1/2" 64mm	300	12	4 3/16" 106.3mm
<b>C</b>	16	6 3/4" 172mm	2 1/2" 64mm	9 1/4" x 5 1/8" 235 x 130mm	14" 356mm	2 1/2" 64mm	160	4	12 9/16" 319mm
	20	6 3/4" 172mm	2 1/2" 64mm	7 7/8" x 4 3/4" 200 x 120mm	14" 356mm	2 1/2" 64mm	200	5	10 1/16" 255.5mm
	24	6 3/4" 172mm	2 1/2" 64mm	6 3/4" x 4 1/2" 172 x 114mm	14" 356mm	2 1/2" 64mm	240	6	8 3/8" 212.7mm
	32	5 5/8" 143mm	1 1/2" 38mm	5 1/8" x 3 9/16" 130 x 91mm	14" 356mm	2 1/2" 64mm	320	8	6 9/32" 159.5mm
	40	4 1/2" 114mm	1 1/2" 38mm	4" x 3 1/2" 102 x 89mm	14" 356mm	2 1/2" 64mm	400	10	5 1/32" 127.7mm
	48	3 1/4" 95mm	3 1/2" 38mm	3 1/2" x 2 3/4" 89 x 70mm	14" 356mm	2 1/2" 64mm	480	12	4 3/16" 106.3mm
<b>D</b>	20	7" 178mm	2 1/2" 64mm	10" x 5" 254 x 127mm	14" 356mm	2 1/2" 64mm	200	6	12 9/16" 319.0mm
	30	7" 178mm	2 1/2" 64mm	7" x 4" 178 x 102mm	14" 356mm	2 1/2" 64mm	300	9	8 3/8" 212.7mm
	40	6" 152mm	1 1/2" 38mm	5 1/8" x 3 9/16" 130 x 91mm	14" 356mm	2 1/2" 64mm	400	12	6 9/32" 173.0mm
	50	4 1/2" 114mm	1 1/2" 38mm	4" x 3 1/2" 102 x 89mm	14" 356mm	2 1/2" 64mm	500	15	5 1/32" 127.7mm
	60	3 3/4" 95mm	1 1/2" 38mm	3 1/2" x 2" 89 x 51mm	14" 356mm	2 1/2" 64mm	600	18	4 3/16" 106.3mm

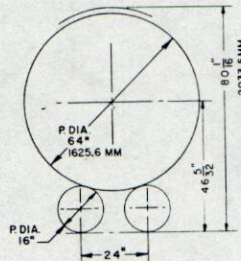
**A**  
8-16 HD.



**B**  
10-20-25-30 HD.



**C**  
16-20-24-32-40-48 HD.



**D**  
20-30-40-50-60 HD.

