

HOT FILL SIMULATION EQUIPMENT HF-7003



HOT FILL

The HF-7003 consist on a pair of stations in which up to three individual hot water (90 °C max.) filling tests can be done at a time and a resting and cooling station where the samples that were filled with hot water rest vertically and horizontally to cool them with water at 21 ° C maximum which is the final part of the test.

The HF-7000 has **two independent stations**:

- **Filling Station** allows to raise the water temperature up to 90 °C programmable by the user at any time, the equipment can fill up to 30 L of water continuously.
- The new design fuses the **rest station and the cooling station into a single one** capable of positioning the samples horizontally and vertically the number of times and period requested by the user. The station can contain 24 samples of up to 1 L (capacity may vary depending on the volume of the bottle) with the possibility of handling samples in separate sets of 3 bottles.

BENEFITS

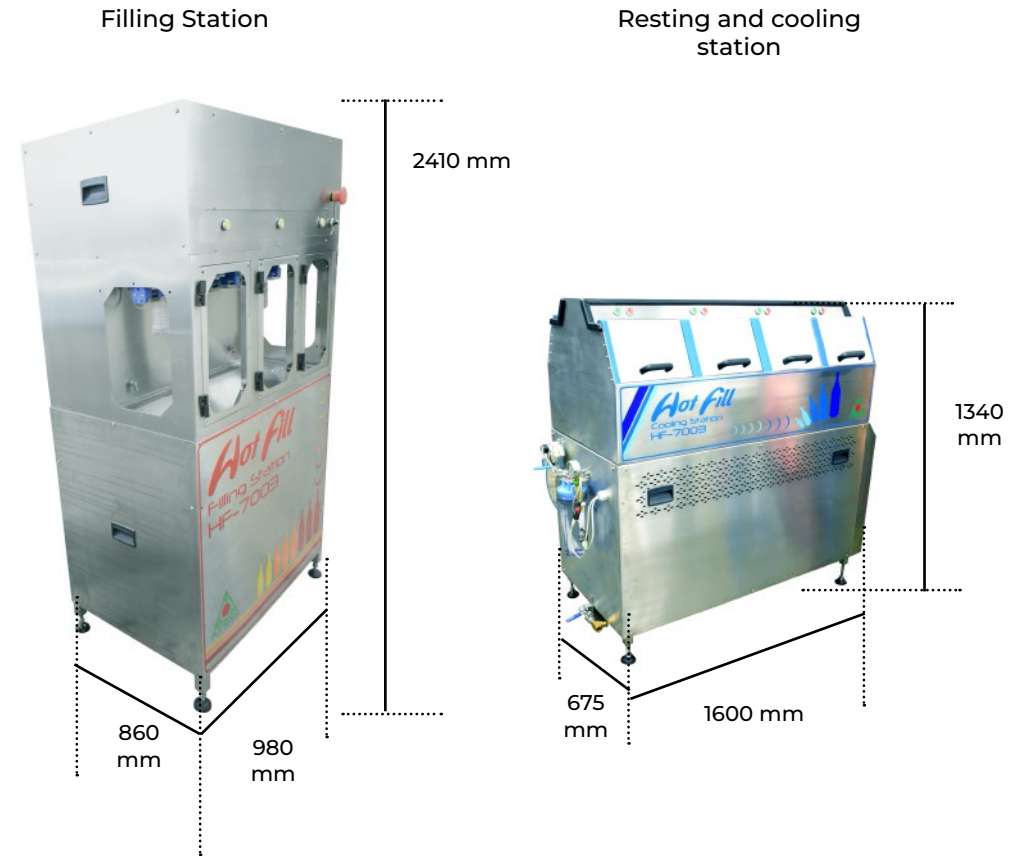
- Assists operator in following the recommended steps by the ISBT for Hot-Fill test.
- Pneumatic movement of the bottles towards the nozzle reduces the risk of burning accidents.
- Air stirring system to obtain an homogeneous temperature at all points.
- The equipment was designed with European certification standards, ensuring that the electrical and mechanical system meets the necessary considerations to provide operator safety.
- Automatic movement for resting samples and configurable cooling time.
- Space reduction by combining resting and cooling stations.
- Made of AISI 304 stainless steel which provides resistance and environmental protection for a long useful life.
- Full advantage of the heat generated by 5 heating elements of immersion.
- Touch screen control of the heating temperature, samples movement in the resting station and dew time of the samples cooling.

HF-7003

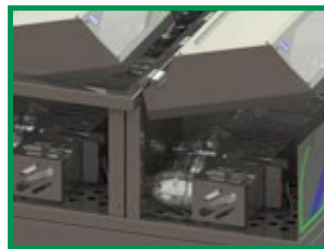
TECHNICAL DATA

FILLING STATION	
Filling volume	37 L
Work volume	20 L
Temperature control	70 - 90 °C (158 - 194°F)
Highest temperature average reach time	40 - 45 min
Bottle filling time (1L)	12 s
Approximate Dimensions (Width x Height x Depth)	980 x 2410 x 860 mm (38.58 x 33.86 x 94.88 in)
Aproximate weight	250 kg (551.16 lb)
RESTING AND COOLING STATION	
Work volume	80 L
Temperature control (cold water)	15 - 21 °C (59 - 69.8 ° F)
Highest temperature average reach time	40 - 50 min
Time control	1 - 60 min
Approximate Dimensions (Width x Height x Depth)	1600 x 1340 x 675 mm (62.99 x 26.57 x 52.76 in)
Aproximate weight	200 kg (440.93 lb)
SAMPLE DIMENSIONS	
Diameter (min - max)	55 - 100 mm (2.17 x 3.94 in)
Height (min - max)	185 - 230 mm (7.28 - 9.06 in)
SYSTEM SUPLIES	
Hydraulic	30 - 60 psi
Hydraulic cold water	15 - 19 ° C (59 - 66.2 ° F)
Pneumatic	80 - 100 psi
Electric	110 V CA (3P) + G
Drain	1" NTP (2 PZAS)
Electric power	7.0 kW

OVERALL DIMENSIONS



Hot water filter



Resting position

ATRYA PLAST S.A. DE C.V.



Av. Río Consulado No. 2614,
San Juan de Aragón 1a Secc.
C.P. 07969, CDMX, México.

atrya.com.mx

HF-7003

Matriz Ciudad de México
(+52) 55 2603 7450
ventas@atrya.com.mx

Monterrey, México
(+52) 81 2235 9264
ventas@atrya.com.mx

Guadalajara, México
(+52) 33 1543 3419
ventas@atrya.com.mx