

## MULTIPLE EFFECT DISTILLERS [SMPT]

PHARMACEUTICAL TECHNOLOGIES  
**BRAM-COR**



### BRAM-COR MULTIPLE EFFECT DISTILLERS

Bram-cor's Multiple Effect Distillers are designed and manufactured to meet cGMP requirements for the production of compendial Water for Injection. Each unit contains a number of columns (or effects). It is also possible to utilize the first column production of Pure Steam.

### WFI FROM MULTIPLE DISTILLATION

The heating for evaporation and cooling for condensation processes are performed by double tube sheet heat and cool exchangers. The process is repeated in each column; the greater the number of columns, the higher the efficiency of the distiller. A special labyrinth-separator installed at the top of each column separates the steam generated by the evaporation process from the entrained substance in the steam. The result is a pure, "dry", pyrogen-free steam, condensed compendial Water for Injection.

BC SMPT 7 17



**AWS BIO-PHARMA TECHNOLOGIES**

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# MULTIPLE EFFECT DISTILLERS [SMPT]

CAPACITIES RANGE FROM 50 TO 15,000 LPH  
WITH THREE-EIGHT COLUMNS CONFIGURATIONS

- *Double tube sheet heat exchangers*
- *Certified AISI 316L stainless steel mirror-polished and passivated product contact surfaces*
- *AISI 304 frame, jackets and control board*
- *PTFE gaskets*
- *Pneumatic valves with PTFE membranes and AISI 316 L SS electro-polished body*
- *ASTM C-795 compliant insulation*



## WORLD WIDE SERVICES

We are currently delivering our systems, and building complete water treatment systems and preparation lines all over the world. Top quality GMP equipment must necessarily be integrated through a proper high level of professional services including: **Technical Documentation, Factory Acceptance Test, Installation, Commissioning, Site Acceptance Test & Start-up, Training, Validation and After Sales Service.**

Our worldwide network of skilled agents and our affiliated companies ensure assistance to our Clients in over 50 countries, from the very beginning of a pharmaceutical project throughout decades after start-up. Our After Sales Department grants punctual and quick deliveries of spares and ongoing technical support.

***All Bram-Cor systems are designed and manufactured and in accordance with cGMP regulations, completely validatable, and are suitable for use in FDA and EMA regulated facilities. Visit us at: [www.bramcor.com](http://www.bramcor.com)***



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