

## SINGLE EFFECT DISTILLERS [DSPG]

BRAM-COR  
PHARMACEUTICAL TECHNOLOGIES



### DESCRIPTION

Each Single Effect Distiller is both a Still and a Pure Steam Generator. The distiller produces dry, saturated steam. When the Pure Steam, is condensed through a double tube sheet condenser. The steam is purified using centrifugal and gravity separation methods. It meets the requirements of all international pharmacopoeias for Water-for-Injection. Therefore the system can provide alternately production of Pure Steam or Water for Injection. The Single Effect Distillers are traditionally installed where small capacities are needed when there are significant budget constraints. The production process consists of purified water evaporation followed by pure steam separation and condensation. The steam is purified using centrifugal and gravity separation methods.

*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.*

BC DSPG 7 17



**AWS BIO-PHARMA TECHNOLOGIES**

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## BRAM-COR PURE STEAM GENERATORS INCLUDE THE FOLLOWING:

- *All parts in contact with the process fluid and steam are made with AISI 316L stainless steel*
- *All pipes are orbital welded when possible, with inert gas protection*
- *Active surfaces are passivated*
- *The parts in contact with the pure steam are mechanically mirror polished ( $Ra \leq 0.4 \mu m$ ). The Skid is in stainless steel AISI 304 with a satin finish*
- *The Control Cabinet is in stainless steel AISI 304 with a satin finish*
- *DPSG equipments are available in electrically or steam heated versions*

## 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.

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