

Pharmatec Advanced Pure Steam Generators and Distillation Units

Packaging Technology



BOSCH
Invented for life

Advanced Pure Steam Generators and Distillation Units **for the highest quality requirements with short delivery times**

Benefits

- ▶ Delivery time for pure steam generators 2 to 3 months
- ▶ Delivery time for WFI distillation units 3 to 4 months
- ▶ Cost effective, standardized skid units
- ▶ Additional continuous process control for the highest safety level for user and environment
- ▶ Excellent utility efficiency optimized by design and recalculated number of columns
- ▶ Intelligent SPS control system and integration into customer's overall system
- ▶ Simple operation through self explaining menue
- ▶ Fast installation/operation on site due to skid design
- ▶ Complete qualification (IQ/OQ) will be completed during wet factory acceptance test (FAT) to reduce the time for on site commissioning and site acceptance test (SAT)



Following units are available:

**PSG 350; PSG 400; PSG 500;
PSG 600 and PSG 650**

- ▶ for pure steam capacities from 100 up to 3,000 kg/h

**120-S3; 500-S4; 1500-S5
and 3000-S6**

- ▶ for WFI capacities from 160 up to 6,100 l/h

Please fill out this form and send it by email to info@pharmatec.de

You will receive an offer with all technical documents within 2 days. Alternatively please or call your local Bosch Area Sales Manager.

More information see:
www.pharmatec.de

Company:

Contact person:

Telephone:

Email:

Specifications: Pure Steam Generator

<input type="checkbox"/> Pure steam capacity:	kg / h
<input type="checkbox"/> Pure steam pressure:	bar [g]
Heating steam pressure:	bar [g]

Options:

<input type="checkbox"/> 1.000 Ra < 0,6 µm, electropolishing
<input type="checkbox"/> 1.002 pre-heater
<input type="checkbox"/> 1.003 waste water cooler
<input type="checkbox"/> 1.004 booster pump, dry run protection
<input type="checkbox"/> 1.011 membrane degassing
<input type="checkbox"/> 1.012 thermal degassing
<input type="checkbox"/> 2.000 sample cooler
<input type="checkbox"/> 2.001 conductivity measurement pure steam
<input type="checkbox"/> 3.002 paperless chart recorder
<input type="checkbox"/> 3.004 communication technology Ethernet
<input type="checkbox"/> 3.006 remote control
<input type="checkbox"/> 4.002 documentation according GAMP
<input type="checkbox"/> 6.003 commissioning on site
<input type="checkbox"/> 6.004 IQ/OQ

Further requirements:

Specifications: Distillation Unit

<input type="checkbox"/> WFI capacity:	l / h
Heating steam pressure:	bar [g]

Options:

<input type="checkbox"/> 1.000 Ra < 0,6 µm, electropolishing
<input type="checkbox"/> 1.002 pre-heater
<input type="checkbox"/> 1.003 waste water cooler
<input type="checkbox"/> 1.004 booster pump, dry run protection
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