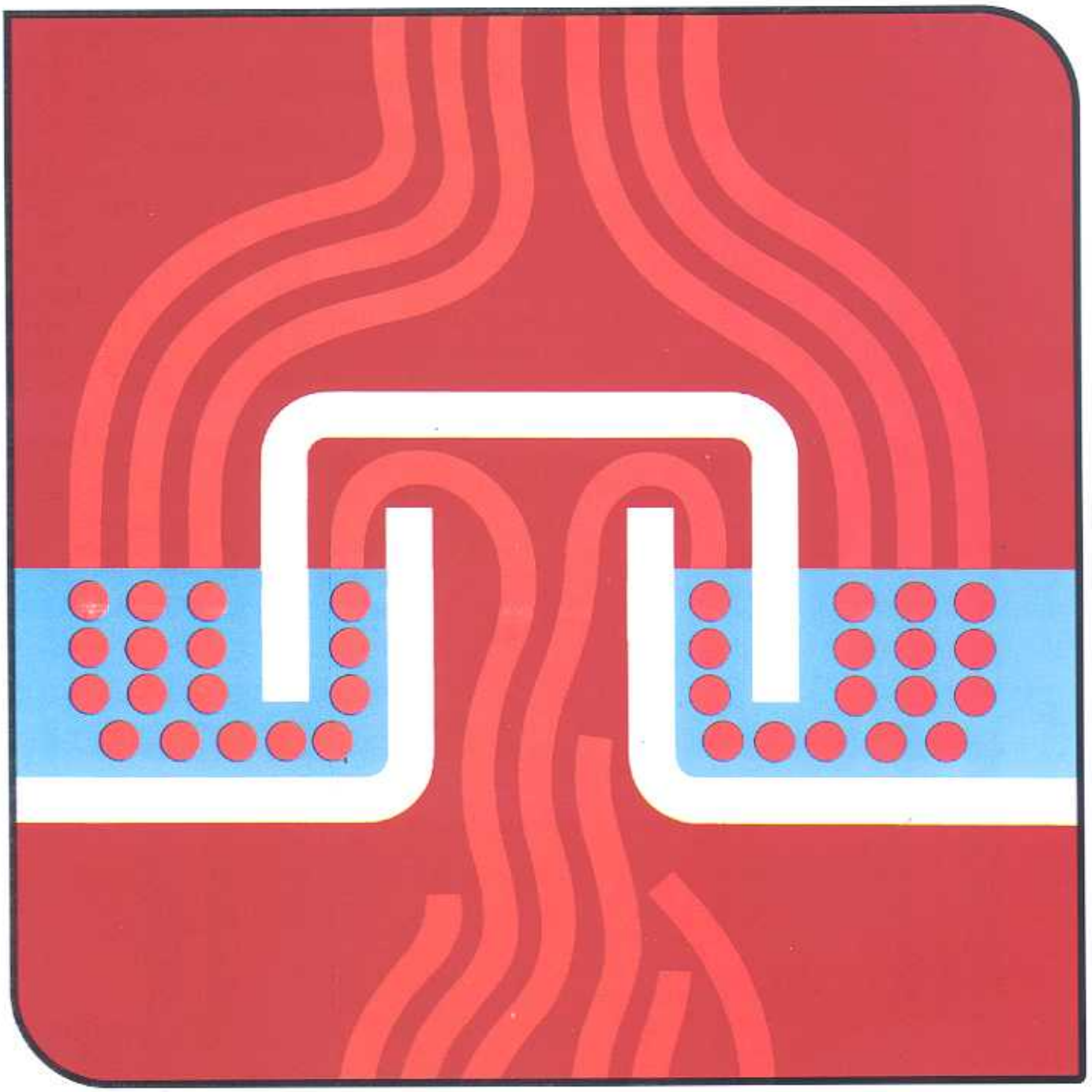
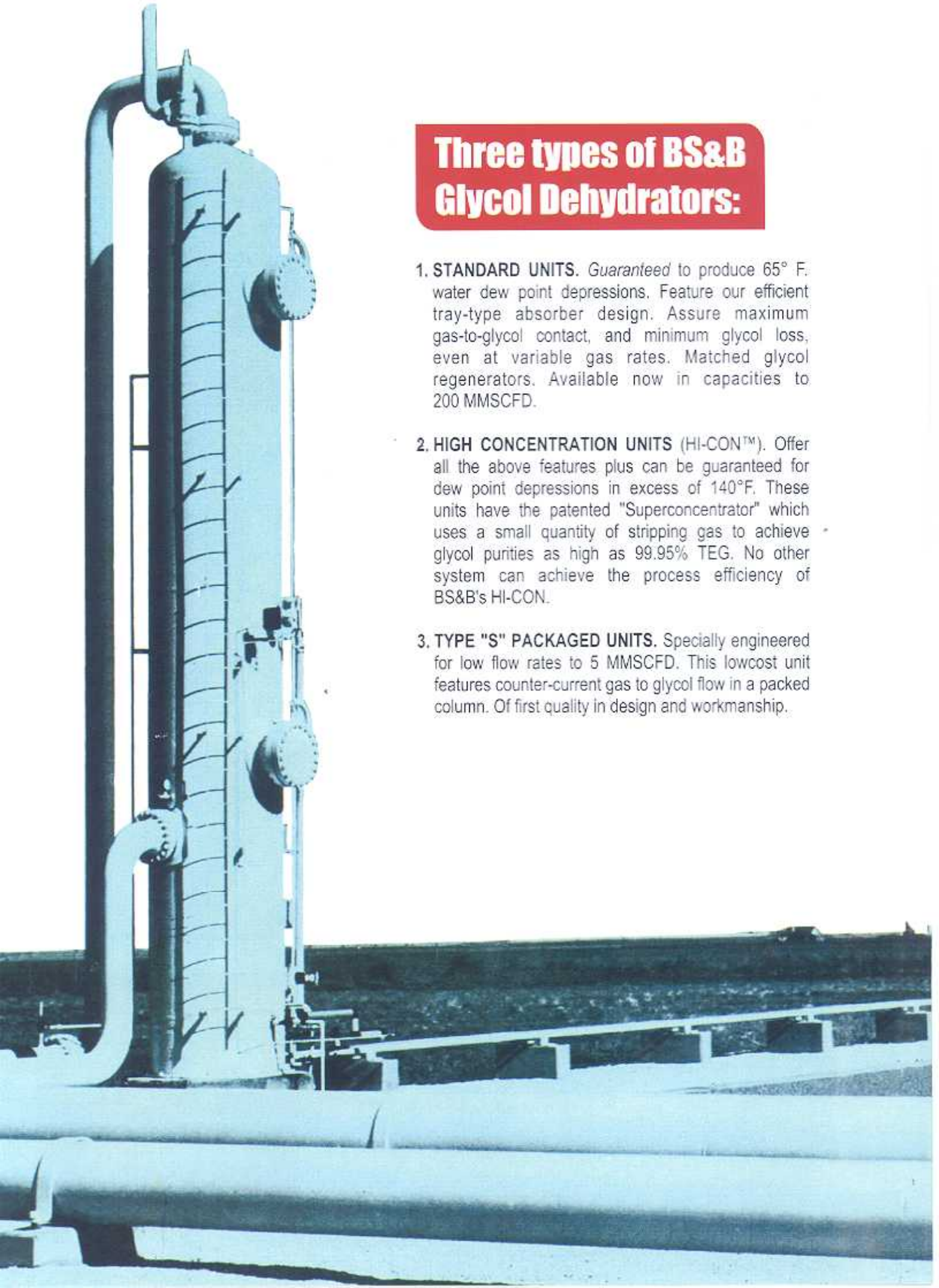
Glycol Dehydration



The most economical way to remove water vapor from natural gas streams. Guaranteed dewpoint depressions in excess of 140°F

BS&B®

PROCESS SYSTEMS



Three types of BS&B Glycol Dehydrators:

1. **STANDARD UNITS.** *Guaranteed* to produce 65° F. water dew point depressions. Feature our efficient tray-type absorber design. Assure maximum gas-to-glycol contact, and minimum glycol loss, even at variable gas rates. Matched glycol regenerators. Available now in capacities to 200 MMSCFD.

2. **HIGH CONCENTRATION UNITS** (HI-CON™). Offer all the above features plus can be guaranteed for dew point depressions in excess of 140°F. These units have the patented "Superconcentrator" which uses a small quantity of stripping gas to achieve glycol purities as high as 99.95% TEG. No other system can achieve the process efficiency of BS&B's HI-CON.

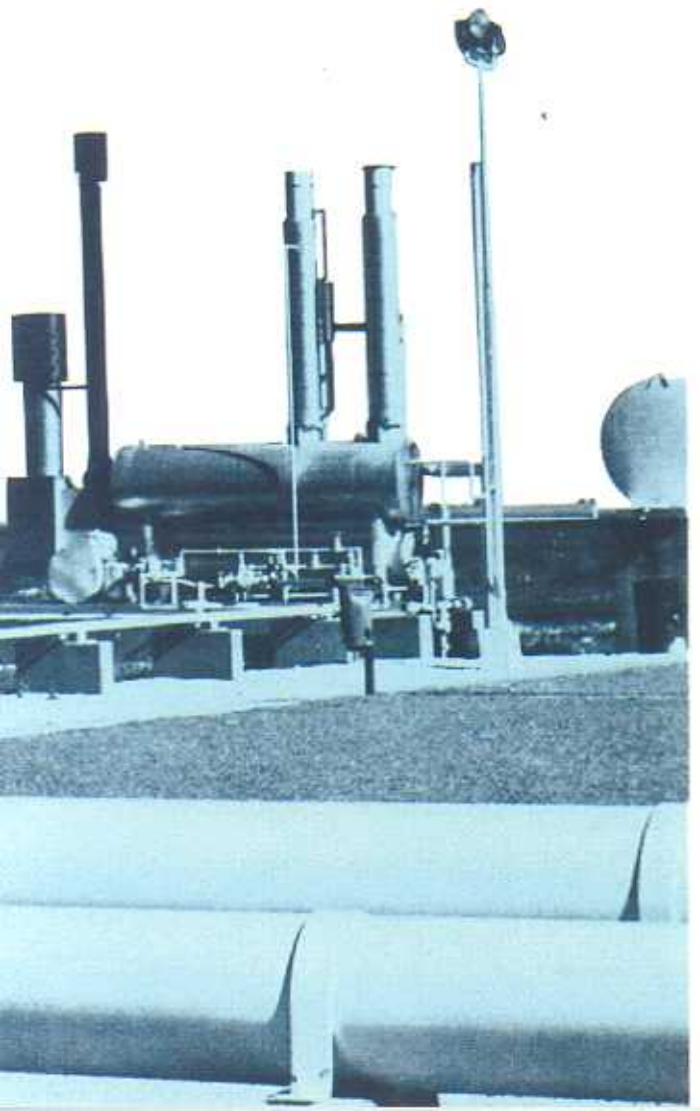
3. **TYPE "S" PACKAGED UNITS.** Specially engineered for low flow rates to 5 MMSCFD. This lowcost unit features counter-current gas to glycol flow in a packed column. Of first quality in design and workmanship.

Bs&B's Record of Performance

BS&B is proud of its leadership in glycol dehydration. Leadership earned since 1946 when our engineers built the first experimental unit for service in the natural gas industry. BS&B has pioneered the significant developments and improvements since that time.

Today's efficient, safe and trouble-free units resulted from BS&B's extensive experimental work, proven by field usage. The developments of the future will be BS&B designed and tested under lease operating conditions.

There are thousands of BS&B designed glycol dehydrators in continuous operation all over the world wherever gas flows, a BS&B built dehydrator can be found.



Design Services for Lower Costs

Our engineers select the right combination of equipment to fit your dehydration requirements. And provide you with the best system-one which provides an economic balance between equipment cost and operating cost.

To obtain optimum design, our engineers use:

- Proprietary gas-glycol equilibrium design data
- Performance data on glycol condition as it affects dew point depressions
- Our latest processes and fabrication techniques
- A high speed computer programmed to calculate, compare and select equipment.

You may rely on the many years of accumulated experience of BS&B engineers to guide your selection of the right glycol dehydration system.

Compare these quality features and benefits

Airtight Regeneration System
Reduces corrosion, saves fuel.

High Efficiency Burner
Achieves 70% thermal efficiency, designed for trouble-free service.

Windproof Pilot Light
Stays lighted-even in high winds.

Reliable Temperature Controller Reduces
fuel costs, protects glycol charge.

Efficient Glycol Heat Exchanger
Prolongs pump packing, minimizes glycol losses, reduces reboiler duty.

Improved Glycol Distribution and Maximum Gas-Glycol Contact
Reduces operating costs and provides wider ranges of operating flexibility.

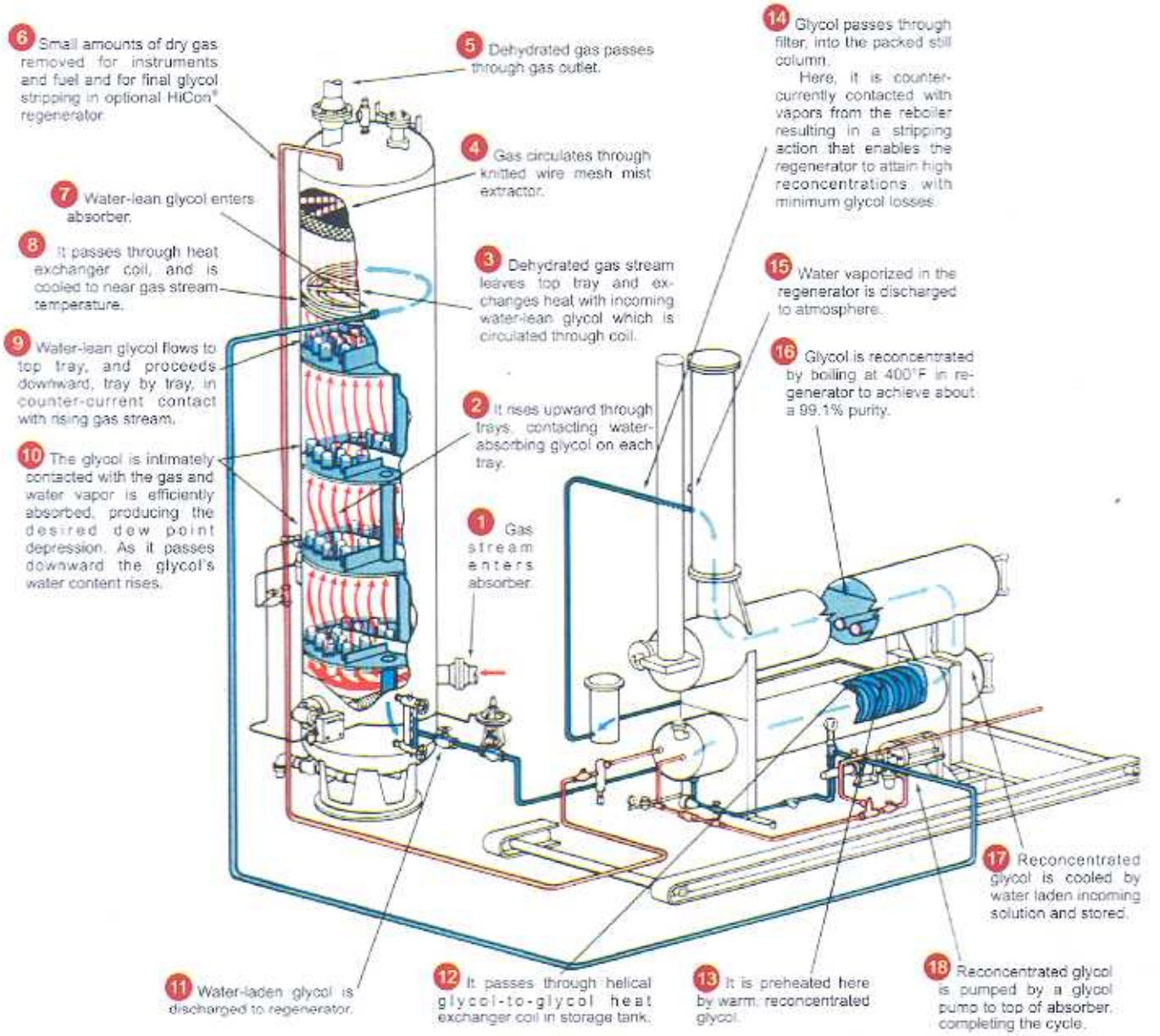
Low Fire Box Flux Rate and Lower Skin Temperatures
Reduces source of glycol decomposition, promotes efficient fuel combustion, contributes to longer fire box life.

Correct Glycol Reflux
Minimizes still column losses.

Quality Accessories and Controls
Assures trouble-free operation, maintenance costs are minimized and, when required, spare parts are readily available.

Basic operation

Please start with step 1 (all Red type) below for the clearest explanation of flow.



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