

## StirLIQ

On demand gas liquefaction from 250 to 1.500 m<sup>3</sup>/day



### Stirling Technology

For more than seventy years Stirling Cryogenics has designed and manufactured cryogenic systems, serving customers all over the world under all possible climatic conditions. This experience has culminated in our current range of plants called StirLIQ, liquefying all different kinds of gasses.

The fully automatic StirLIQ allows the user to concentrate on their core activities, eliminating all issues involved with the purchasing and logistics of bulk cryogenic liquid supply. Also having a back-up amount of liquefied gas in case of shutdown is covered with the StirLIQ.

### StirLIQ systems

The StirLIQ systems are a popular plug-and-produce solution that takes up minimal space and is ready to use. With the optional chiller no external cooling water supply is needed. Simply connect power, gas supply and start producing your own cryogenic liquid. The liquid is dispensed using a hose and hand valve, or automatically with tank connections to hard-piped dispensing lines.

Operators only need to replace filters and perform routine checks between maintenance intervals of 8.000 operating hours.

### Typical StirLIN features

- Easy Installation
- Fully automatic operation by PLC
- Peak shaving
- Efficient production
- Low noise level
- Built for stringent climatic conditions
- Connectable to all power supplies
- Worldwide service & maintenance





## StirLIQ Specifications

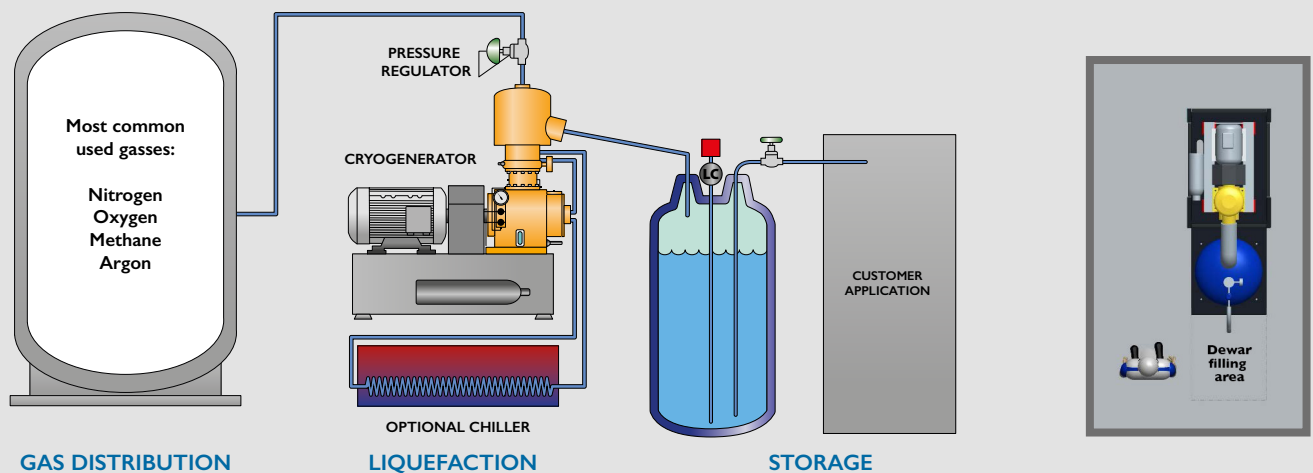
### StirLIQ system options

- Water chiller
- Spare parts & tools
- Maintenance training
- Voltage stabilizer
- Transfer/Storage vessel
- Cryogenic personal protection package
- Remote monitoring
- Maintenance contract

Specifications		StirLIQ-1	StirLIQ-2	StirLIQ-4	StirLIQ-8
Power consumption* (supplied in 200V-480V, 50Hz-60Hz**)	[kW]	11	22	45	90
Water consumption (at 15°C)	[l/h]	1.000	1.900	4.000	7.500
Noise	[dBA]	70	70	72	74
System size (l x w x h, external chiller not incl.)	[m]	1,94	3,20	3,20	3,20
		0,78	1,70	2,70	2,70
		2,01	1,60	1,98	1,98
Advised room size (l x w x h, external chiller not incl.)	[m]	3,50	4,60	4,80	4,80
		2,20	3,50	4,20	4,20
		3,00	3,00	3,00	3,00
Weight	[kg]	1.050	1.700	3.100	4.000
Liquid nitrogen storage capacity (max pressure 5 barg)***	[l]				
		• 200 l	○		
		• 300 l	●		
		• 500 l	○		
		• 1.000 l		●	○
		• 2.000 l		○	●

● Advised size  
○ Optional

\* Power consumption is excl optional chiller  
\*\* Power supply can influence the design and construction  
\*\*\* Other storage capacities are possible, but not as a standard option



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