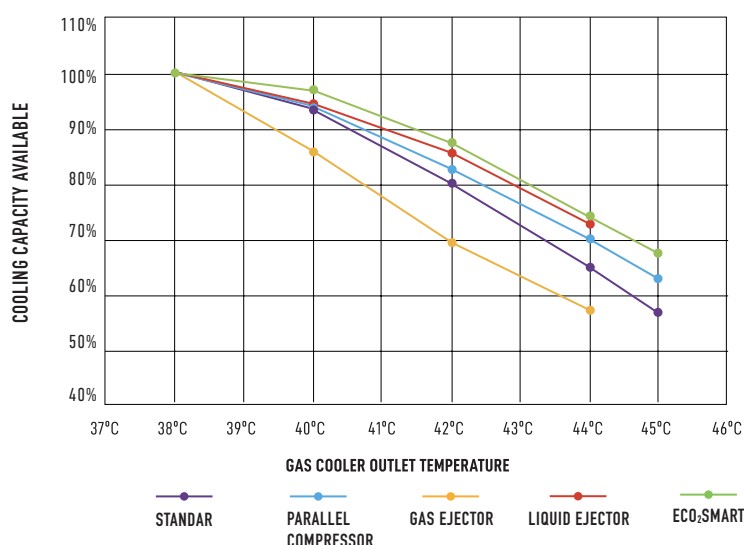


Do you have efficiency problems
with extreme temperatures?
We have the solution

ECO₂SMART improves and recovers the performance of our CO₂ equipment, ensuring lower energy consumption, with no need of water or additional systems.

AVAILABLE COOLING CAPACITY AT TEMPERATURES ABOVE DESIGN CONDITIONS



Climate change is becoming increasingly real, and it affects us all. To the enormous drought we have recently experienced, we must add the extreme heat waves that has affected the efficiency and performance of many CO₂ systems.

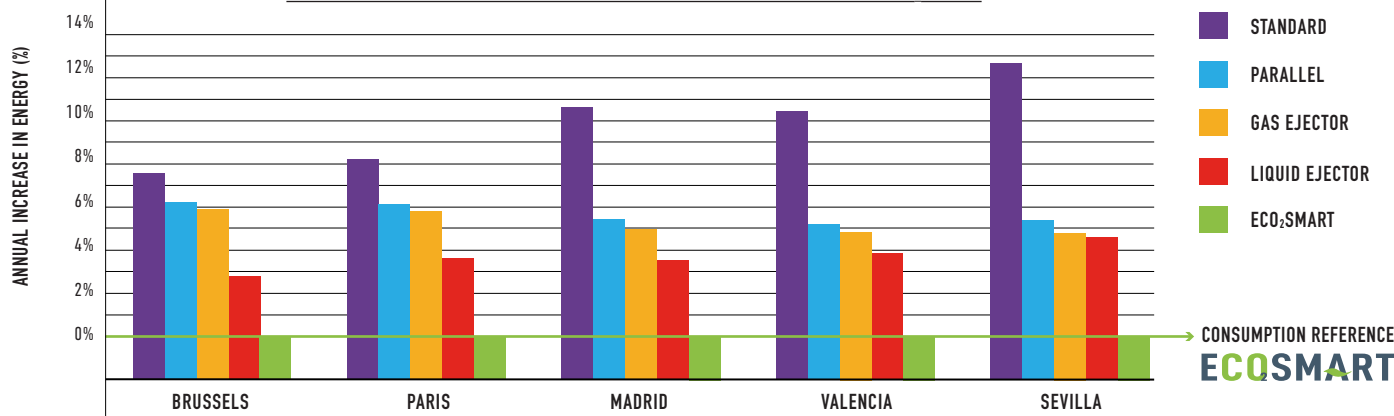
It is time for us to create solutions that take care of our environment as well as your business.

This is why Tewis has developed **ECO₂SMART**: an exclusive patent pending system that improves and recovers the performance of our CO₂ equipment, guaranteeing lower energy consumption in extreme temperatures.

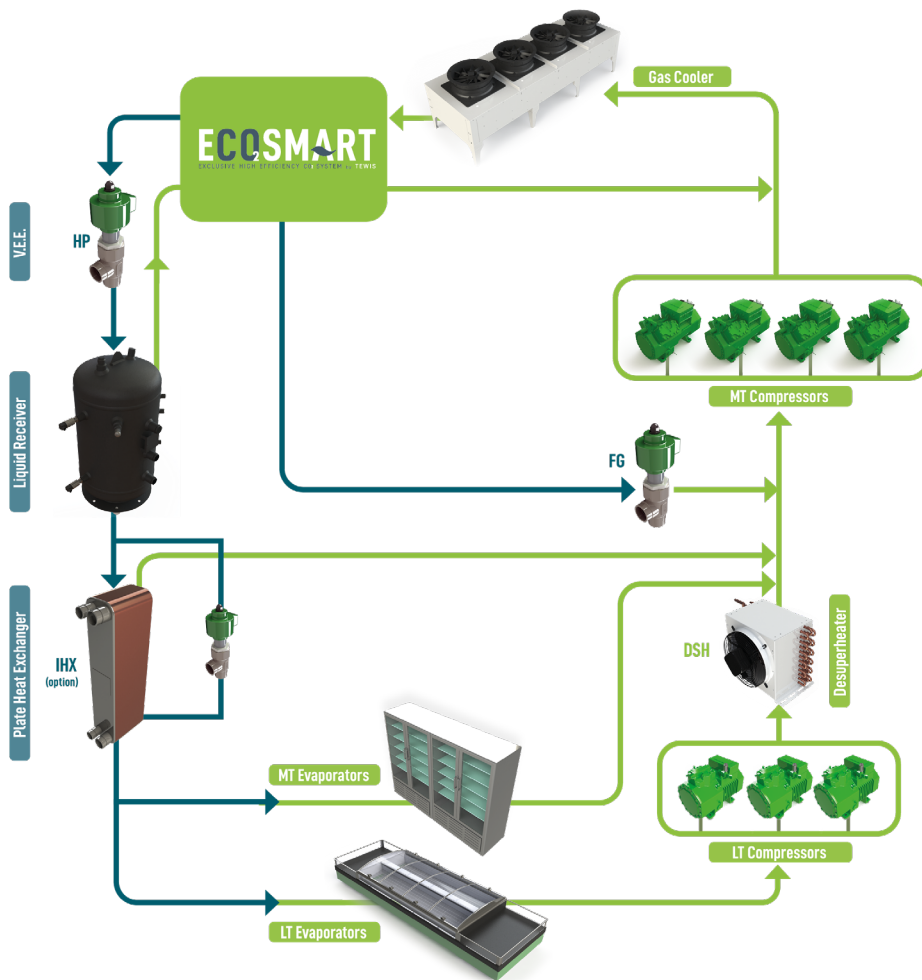
Compatible with the main electronic devices on the market.



ANNUAL INCREASE IN ENERGY OF OTHER SYSTEMS COMPARED TO ECO₂SMART



HOW DOES IT WORK?



INCREASED EFFICIENCY

ECO₂SMART reduces gas cooler pressure and increases energy efficiency... How? It uses a dedicated compressor that replaces the parallel compressor, acts as a mechanical subcooler and adjusts its suction pressure according to the Gas Cooler output, using only CO₂.

EFFICIENCY IN EXTREMELY HIGH TEMPERATURES

ECO₂SMART achieves a higher COP in comparison with other alternatives at high temperatures (>40°C). It also maintains better cooling capacity in these conditions.

MECHANICAL SUBCOOLING FROM 15°C ONWARDS

ECO₂SMART can work as mechanical subcooling in our compressor rack from 15°C ambient temperature, while other mechanical subcooling systems are only efficient from 25°C. Its design and control allows it to adapt to the widest temperature range on the market.

ECO2 SMART RACK RANGE

BASE CODE	APPLIC.	CAPAC. KW MT* 70 HZ	CAPAC. KW LT* 70 HZ	MT COMPRESSORS	ECO2SMART COMPR.	LT COMPRESSORS	COP	COP IMPROVEMENT (PARALLEL COMP.)
GSR2EJT093YBX	MT	95,39	—	1x 4JTE-15K (V.F.) + 2x 4JTE-15K	1x 4MTE-10K	—	2,34	10,7%
GSR2EJT041YBX	MT	114,67	—	1x 4HTE-20K (V.F.) + 1x 4FTE-20K	1x 4JTE-15K	—	2,61	13,9%

TSR2EJT089YBX	MT+LT	81,48	6,48	1x 4HTE-20K (V.F.) + 1x 4HTE-20K	1x 4MTE-10K	1x 2KSL-1K	2,17	9,3%
TSR2EJT090YBX	MT+LT	68,39	12,7	1x 4JTE-15K (V.F.) + 1x 4HTE-20K	1x 4MTE-10K	1x 2GSL-3K	2,17	12,5%
TSR2EJT490YBX	MT+LT	62,01	14,16	1x 4JTE-15K (V.F.) + 1x 4JTE-15K	1x 4MTE-10K	2x 2JSL-2K	2,04	13,1%
TSR2EJT489YBX	MT+LT	73,76	14,16	1x 4HTE-20K (V.F.) + 1x 4HTE-20K	1x 4MTE-10K	2x 2JSL-2K	2,04	9,4%

ECO2 SMART DUPLEX RANGE

BASE CODE	APPLIC.	CAPAC. KW MT* 70 HZ	CAPAC. KW LT* 70 HZ	MT COMPRESSORS	ECO2SMART COMPR.	LT COMPRESSORS	COP	COP IMPROVEMENT (PARALLEL COMP.)
TSD3JJ_036ZBX	MT+LT	59,53	21,77	1 x 4JTE-15K (V.F. @70 Hz) + 1 x 4HTE-20K	1 x 4MTE-10K (V.F. @70 Hz)	1 x 2GSL-3K (V.F. @70 Hz) + 1 x	2,01	12,0%
TSD3KJ_037ZBX	MT+LT	89,65	30,84	1 x 4JTE-15K (V.F. @70 Hz) + 2 x 4HTE-20K	1 x 4JTE-15K (V.F. @70 Hz)	1 x 2GSL-3K (V.F. @70 Hz) + 2 x	2,02	11,7%
TSD3KJ_039ZBX	MT+LT	110,54	26,4	1 x 4HTE-20K (V.F. @70 Hz) + 2 x 4HTE-20K	1 x 4HTE-20K (V.F. @70 Hz)	1 x 2JSL-2K (V.F. @70 Hz) + 2 x 2GSL-3K	2,06	12,9%
TSD3KJ_042ZBX	MT+LT	125,31	14,16	1 x 4HTE-20K (V.F. @70 Hz) + 2 x 4HTE-20K	1 x 4HTE-20K (V.F. @70 Hz)	1 x 2JSL-2K (V.F. @70 Hz) + 1 x 2JSL-2K	2,19	13,4%
TSD3KJ_040ZBX	MT+LT	123,13	30,6	1 x 4JTE-15K (V.F. @70 Hz) + 2 x 4FTE-30K	1 x 4HTE-20K (V.F. @70 Hz)	1 x 2FSL-4K (V.F. @70 Hz) + 1 x 2ESL-4K	2,17	11,3%
TSD3KJ_044ZBX	MT+LT	129,46	24,29	1 x 4JTE-15K (V.F. @70 Hz) + 2 x 4FTE-30K	1 x 4HTE-20K (V.F. @70 Hz)	1 x 2GSL-3K (V.F. @70 Hz) + 1 x 2FSL-4K	2,24	11,5%
TSD3MJ_041ZBX	MT+LT	123,82	35,88	1 x 4HTE-20K (V.F. @70 Hz) + 3 x 4HTE-20K	1 x 4HTE-20K (V.F. @70 Hz)	1 x 2GSL-3K (V.F. @70 Hz) + 2 x 2FSL-4K	2,12	10,6%
TSD3KJ_045ZBX	MT+LT	129,88	30,84	1 x 4HTE-20K (V.F. @70 Hz) + 2 x 4FTE-30K	1 x 4HTE-20K (V.F. @70 Hz)	1 x 2GSL-3K (V.F. @70 Hz) + 2 x	2,19	10,8%
TSD3MJ_046ZBX	MT+LT	179,88	44,96	1 x 4HTE-20K (V.F. @70 Hz) + 3 x 4FTE-30K	1 x 4FTE-30K (V.F. @70 Hz)	1 x 2FSL-4K (V.F. @70 Hz) + 2 x 2ESL-4K	2,17	11,8%
TSD3MJ_047ZBX	MT+LT	188,97	35,88	1 x 4HTE-20K (V.F. @70 Hz) + 3 x 4FTE-30K	1 x 4FTE-30K (V.F. @70 Hz)	1 x 2GSL-3K (V.F. @70 Hz) + 2 x 2FSL-4K	2,23	12,0%

