

HeSAVER

STANDARD & MODULAR HELIUM RECOVERY SYSTEM

A simple solution that makes an effective contribution
to cost and energy savings



Leak Testing is the most powerful in-line operation for quality control and Marposs offers, in addition to leak testers, HeSAVER: the standard & modular solutions for trace gas recovery, making your investment fully sustainable.

MARPOSS
HeTECH

HELIUM CONSUMPTION IS A KEY FACTOR IN ALL HIGH-PERFORMANCE HELIUM LEAK TESTING SYSTEMS

The optimal chemical-physical properties of helium make it the best trace gas for leak detection applications; the only negative factors are that the resources available from natural fields are limited and therefore helium is expensive.

Marposs' HeSAVER makes the production cost of leak testers absolutely negligible compared to BoP without trace gas recovery.

Technical Specification

HeSAVER^{Lite}

LOW PRESSURE				
UNIT		R2 LLP	R3 LLP	R5 LLP
S3 storage volume		200 lt	2 x 270 lt	2 x 270 lt
Max Pressure		6 bar	6 bar	6 bar
Capacity		200 NL/min	300 NL/min	500 NL/min

HeSAVER

MEDIUM PRESSURE								
UNIT	R1	R1,5	R2	R3		R5	R6	R8/s
S3 storage volume	20 lt	2 x 20 lt	2 x 20 lt	3 x 20 lt		5 x 20 lt	6 x 20 lt	4 x 50 lt
Max Pressure	60 bar	60 bar	60 bar	60 bar		60 bar	60 bar	60 bar
Capacity	100 NL/min	150 NL/min	200 NL/min	300 NL/min		500 NL/min	600 NL/min	800 NL/min

HeSAVER^{Pro}

HIGH PRESSURE							
UNIT	R1 HP	R1 HP hybrid	R2 HP		R4 HP	R4 HHP	R8 HP
S3 storage volume	1 x 50 lt	2 x 20 lt	1 x 50 lt		2 x 50 lt	3 x 50 lt	4 x 50 lt
S4 storage volume	/	4 x 0,65 lt	/		/	/	/
Max Pressure	300 bar	400 bar	300 bar		300 bar	420 bar	300 bar
Capacity	100 NL/min	100 NL/min	200 NL/min		400 NL/min	400 NL/min	800 NL/min

HeSAVER HIGHLIGHTS

- ▶ Recovers up to 95% of helium or He/N2 mixtures
- ▶ Fully modular design
- ▶ Capable of handling different test stations
- ▶ Modular solutions, easy installation & maintenance
- ▶ Possibility to upgrade from lower to higher capacity
- ▶ Wide range of capacities (up to 1000 NL/m) and operating pressures (up to 350 bar)
- ▶ Data communication with HLT machines for quality and accuracy performance
- ▶ Very short payback period



SAVE COSTS EVEN WITH HIGH QUALITY PRODUCTION CONTROL

A high efficiency helium recovery system connected to the leak test machines, either integrated or as a stand-alone unit, provides a fully integrated process, giving better system reliability with the shortest payback period ever.

