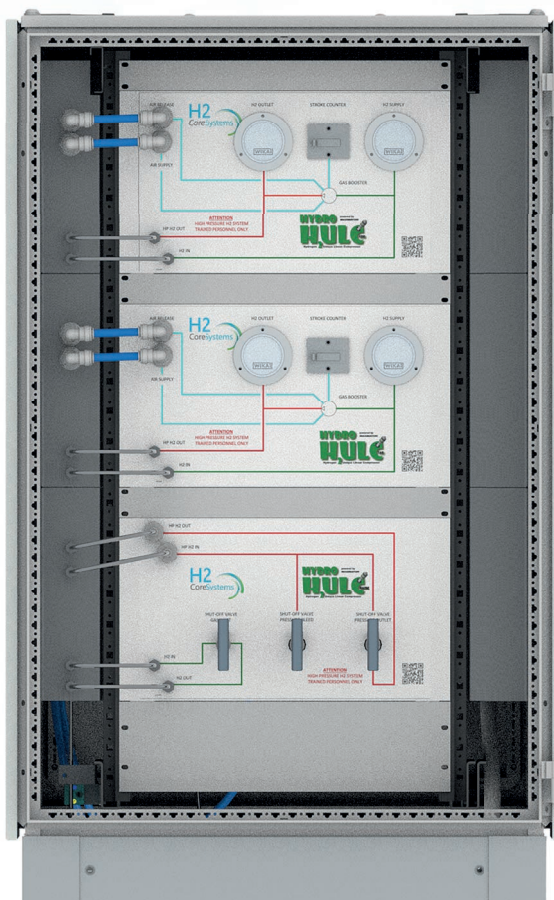


HYDRO H₂ ULC

THE MAXIMATOR HULC
SERIES IS A MODULAR
GAS COMPRESSION SYSTEM

up to **40%**
Energy saving
compared to
standard air
driven systems



**140 / 400 / 1000 bar - the most
flexible gas filling system**

The smart way of hydrogen

The Maximator Hulf Series is a scalable Gas Compression System, specifically designed for Hydrogen compression up to 1000 bar with scaleable volume flow.

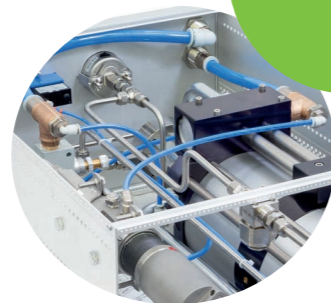
A standard configuration consists of one control module (MASTER-module) and up to three gas booster modules (X-modules) - first stage module up to 140 bar, second stage module up to 400 bar and the final stage module up to 1000 bar. This configuration will provide a gas outlet flow of 5Nm³/h Hydrogen per hour. For higher outlet capacities more modules can be connected easily.

This complete series is installed in 19" rack frames with front panel mounting and front connection for easy installation, exchange and access. This system can be easily installed and combined.

For all applications the MASTER module is mandatory and is handling safety and functional features for maximum three X-modules. The X-modules can be combined and connected depending on the application.

AIRFLOW PURGE

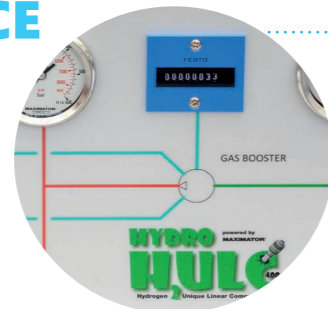
Innovative purging procedure is replacing the well known N2 flushing and is improving the efficiency of process.



No more N2-purging!

EASY MAINTENANCE

Designed as an easy changeable 19" rack. For maintenance friendly access all connections are installed in the front of the panel. This design reduces the down-time for maintenance, as the complete module can be changed easily in short time.



FLEXDRIVE

The patent protected FLEXDRIVE solution is increasing efficiency up to 40% for filling processes. Optionally recommended for repeating refilling processes.



up to 40% Energy saving compared to standard air driven systems

The Power of HYDRO H₂ULC



High availability



Innovative design



Modular system



Plug and boost



Scalable compression power



Safety and service friendly

X-MODULE

Is containing the heart of the system - the air driven gas booster and control gauges to check the gas supply and working pressure. Available in three pressure levels 140bar, 400bar, 1000bar.



Adjustable pressure levels and flow rates for every module!

MASTER MODULE

Is required to operate up to three modules and is handling the gas supply with the pressure outlet and pressure bleeding requirements.

The air supply line will be separated for each individual module, protected with an internal safety relief valve and will be switched off if the gas supply pressure will drop below the settings.



H2 Gas Booster 19"	Module Master	Hulf 140	Hulf 400	Hulf 1000
Pressure class	up to 1000 bar	up to 140 bar	up to 400 bar	up to 1000 bar
Inlet pressure	<=400 bar	<=35 bar	<=140 bar	<=400 bar
Mass flow H ₂	up to 5 Nm ³ /h	up to 5 Nm ³ /h	up to 5 Nm ³ /h	up to 5 Nm ³ /h
Air supply connection	BSP 3/4"	BSP 3/4"	BSP 3/4"	BSP 3/4"
Air bleed connection	-	BSP 3/4"	BSP 3/4"	BSP 3/4"
Gas supply	1/4"Swagelok	1/4"Swagelok	1/4"Swagelok	1/4"Swagelok
Gas outlet	6M	1/4"Swagelok	1/4"Swagelok	6M
Dimension (LxWxH)	770 x483x270 (6HE)	920x483x270 (6HE)	920x483x270 (6HE)	920x483x270 (6HE)
Weight	16 kg	50 kg	50 kg	50 kg
Cabinet (LxWxH)	1200x800x1300	1200x800x1300	1200x800x1300	1200x800x2200

* ... Air consumption example @ 6 bar air drive pressure and stroke frequency of 20 strokes per minute

**... Adapter available to 8 mm SWAGELOK tubing

