

MAXIMATOR®

Maximum Pressure.

High Pressure Technology • Testing Equipment
Hydraulics • Pneumatics



Available with FlexDrive
up to **40%**
Energy saving
compared to standard
air driven systems
Patent protected

» **MAXIMATOR H₂ Gas Booster - HYDRO H₂ULC Series
140 / 400 / 1000 bar - the most flexible gas filling system**

The smart way of hydrogen compression

The Maximator HYDRO H₂ULC Series is a modular Gas Compression System, specifically designed for Hydrogen compression up to 1000 bar with scalable volume flow.

A standard configuration up to 1000 bar 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 2,5 kg Hydrogen per hour (average). For higher outlet capacities more modules can be connected easily.

This complete series is installed in 19" rack frame 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.



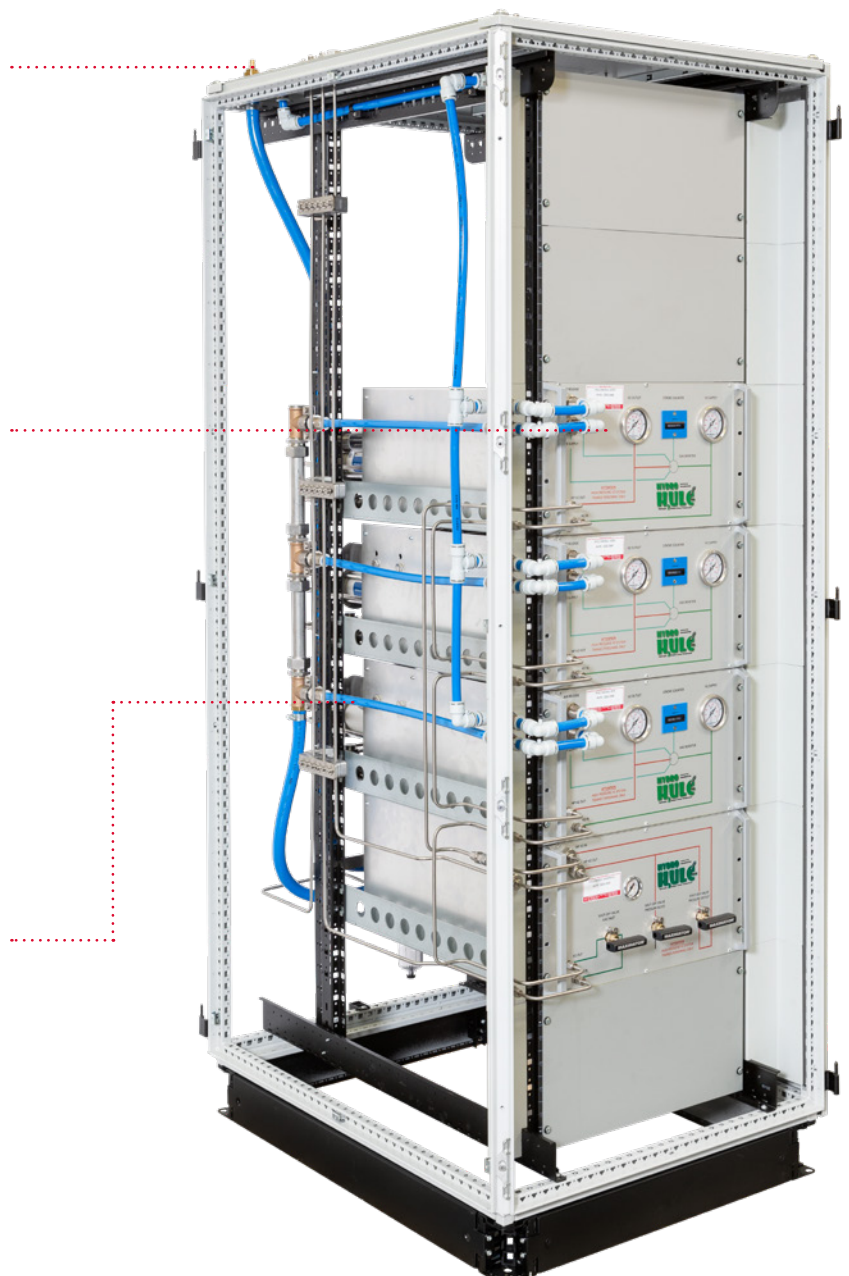
SERVICE

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

Specially for filling processes the patent protected FLEXDRIVE solution is increasing the efficiency of the system and is available optionally.



The Power of HYDRO H₂ULC



High availability



Innovative design



Modular system



Plug and boost



Scalable compression power

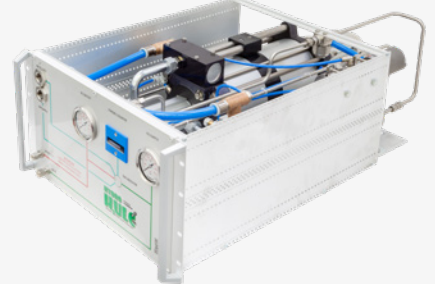


Safety and service friendly



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.



MASTER MODULE

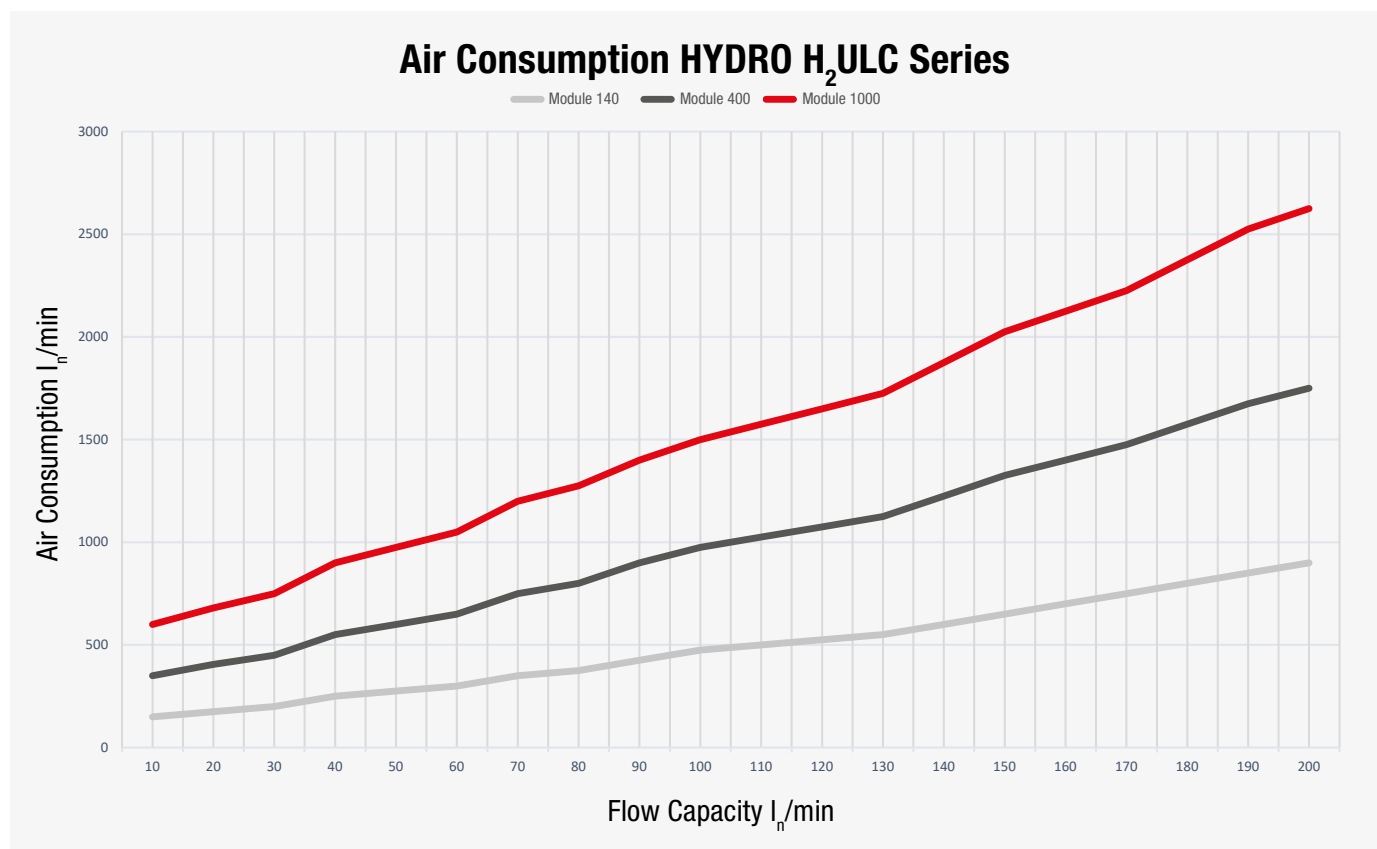
Is required to operate up to three modules and is handling the gas supply with the pressure outlet and pressure bleeding requirements.

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.



Gas supply in bar	Working pressure in bar	Stages	Small cabinet			Large cabinet		
			Product key*	Order Code		Product key*	Order Code	
				Standard	Flexdrive		Standard	Flex Drive
8-20	20-40	1	HULC/S/H2/5/1	3230.0145	3230.0150	HULC/L/H2/5/1	3230.0156	3230.0163
	40-140	2	HULC/S/H2/5/S15/1	3230.0146	3230.0151	HULC/L/H2/5/S15/1	3230.0157	3230.0164
	140-400	3	-	-	-	HULC/L/H2/5/S15/S30/1	3230.0158	3230.2980
	400-1.000	4	-	-	-	HULC/L/H2/5/S15/S30/S75/1	3230.0159	3230.0165
20-100	40-140	1	HULC/S/H2/15/1	3230.3026	3230.0152	HULC/L/H2/15/1	3230.0160	3230.0166
	140-400	2	HULC/S/H2/15/S30/1	3230.0147	3230.0153	HULC/L/H2/15/S30/1	3230.3014	3230.0167
	400-1.000	3	-	-	-	HULC/L/H2/15/S30/S75/1	3230.3017	3230.3001
100-300	140-400	1	HULC/S/H2/30/1	3230.0148	3230.0154	HULC/L/H2/30/1	3230.0161	3230.0168
	400-1.000	2	HULC/S/H2/30/S75/1	3230.0149	3230.0155	HULC/L/H2/30/S75/1	3230.0162	3230.0169

* ... Please add „/FD“ as suffix for Flex Drive Option



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Productmanagement Gas Applications

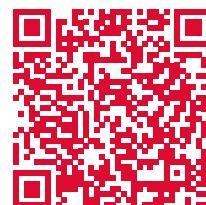
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