

> **HP GHU 350** (High Pressure Gas Handling Unit)



● **Main technical features**

» Nominal pressure P1	350 barg
» Minimal pressure P1	20 barg
» Maximal pressure P1	500 barg
» Outlet pressures P2	7-13 barg
» Flow rate	2.8 - 5.5 g/s
» Temperature transmitters	*
» Pressure transmitters	HP/LP
*optional	

Gas Handling Unit (GHU) for a Hydrogen gas 350 bar tank system. The Gas handling unit (GHU) consists of the Pressure Regulating device, an Overpressure Safety unit, Temperature sensor as well as low pressure and high pressure measuring devices. All components are integrated in a common housing and form a structural compact unit that provides a minimum space claim for Hydrogen tank systems.



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• Technical specifications

>> Description				
Nominal pressure P1	350 barg			
Minimal pressure P1	20 barg			
Maximal pressure P1	500 barg			
Outlet pressure P2	7-10 barg	10-13 bar	Customizable on request (4 barg tolerance)	
Medium	Hydrogen H2			
Flow rates	2.8 g/s		4.2 g/s	5.5 g/s
Weight	~16 kg			
Housing material	Stainless Steel 1.4435 (316L)			
>> Equipment				
Temperature transmitters	NTC 90-205, PT100, PT1000...			
Pressure transmitters HP	0-500 bar, 0.5 to 4.5V, 4 to 20mA			
Pressure transmitter LP	0-20 bar, 0.5 to 4.5V, 4 to 20mA			
>> Connections				
Inlet port P1	3/4" - 16 UNF			
LP Venting port	3/4" - 16 UNF			
HP Venting port	3/4" - 16 UNF			
Outlet port P2	3/4" - 16 UNF			
Electrical connection	Harting HAN 10HPR			
Electrical pin amount	24		28	
>> Certificate				
EC 79				

• Overall dimensions

