


ENSERV

ENERGY INDUSTRY SERVICES GMBH
INDUSTRIAL GAS ENGINES COMPONENTS

Project request for a gas safety, measuring and control system (GRS)		
Customer/company name	Contact Person	
Street	Telephone no.	
ZIP code, city	Fax no.	
Project name	E-Mail address	
Application	Installation site	
Registered by	Date	

Components and functional sections of the Gas train			
Pressure control section	Volume flow measuring	Safety part	Additional equipment
<input type="checkbox"/> Butterfly valves	<input type="checkbox"/> Quantometer	<input type="checkbox"/> Single valves	<input type="checkbox"/> Single track
<input type="checkbox"/> Ball valve	<input type="checkbox"/> High pressure site	<input type="checkbox"/> Double valves	<input type="checkbox"/> Double track
<input type="checkbox"/> Filter	<input type="checkbox"/> Low pressure site	<input type="checkbox"/> Bypass valves	<input type="checkbox"/> Compensator
<input type="checkbox"/> Pressure regulator	<input type="checkbox"/> Volume corrector	<input type="checkbox"/> Valve test system	<input type="checkbox"/> Flexible hose
<input type="checkbox"/> Manometer items	<input type="checkbox"/>	<input type="checkbox"/> Pressure switch, min.	<input type="checkbox"/> Ignition valves
<input type="checkbox"/> Test burner	<input type="checkbox"/>	<input type="checkbox"/> Pressure switch, max.	<input type="checkbox"/> Final contact
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Deflagration protection	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Design parameters of the GRS					
1	Gas type		9	Gas flow, min. [Nm ³ /h]	
2	Gas temperature [°C, K]		10	Gas flow, max. [Nm ³ /h]	
3	Gas density [kg/m ³]		11	Electrical voltage [VAC, VDC, Hz]	
4	Calorific value H _{u,n} [kWh/m ³]		12	Electrical protection class [IP]	
5	max. operating pressure P _{max.} [bar, mbar]		13	Terminal box wiring	
6	min. inlet pressure [bar, mbar]		14	ATEX [group/class]	
7	max. inlet pressure [bar, mbar]		15	Other Information	
8	Outlet pressure at the end of the GRMS [bar, mbar]				