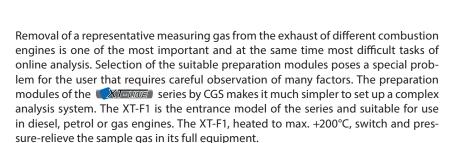






- Compact design
- Easy filter replacement
- Variable temperature setting
- Modular construction
- High tightness
- 4 positioning opportunities



The integrated TWIN-filter is equipped with a ceramics surface filter with a filter mesh of 0.5 μ m by default. An optional fine filter element with 0.1 μ m can be placed on the present filter holder on demand in addition to the standard filter. Variable functions for back-flushing the filter and pre-flushing to the measuring system are already integrated.

The XT-F1 can be equipped with up to 3 measuring gas inputs and one measuring gas output (for more inputs, please choose module XT-F2) and thus serves to switch different tapping points. Of course, the heated tapping lines of the measuring gas inputs (max. 3 plus 1 output line) are also controlled by the module.

The patented pneumatically controlled valves that connect the selected gas paths up to 3.5 bar (a) are placed on the filter/switching block. For higher inlet pressures up to 10 bar (a) the specially CGS developed high pressure valves will be used. They are switched by solenoid valves. The solenoid valves are controlled via the integrated CGS control. Control of the internal heating circuits and the connected heated measuring gas lines is also performed by the integrated control unit.

The XT-F1 can be equipped with an optional pressure controller that reduces high pressures from the exhaust to protect downstream analysis systems. Many sensors used provide information on temperature and pressures at all times.

An additional feature is the flexible installation of the module in 4 different positions.



Digital form at: www.cgs-company.de/ downloads/MDZ_E_D_XT-F1.pdf

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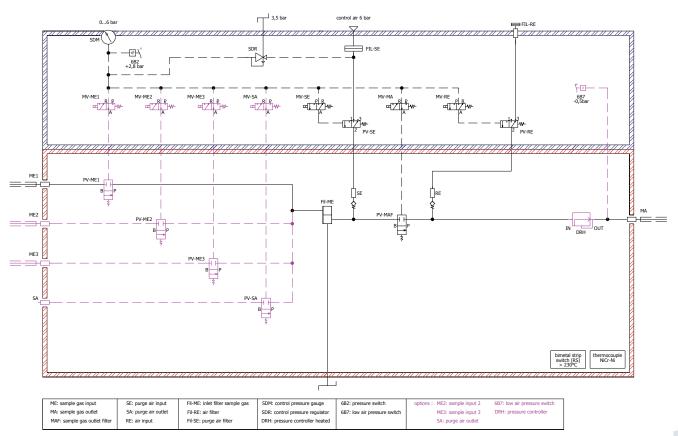
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CGS PRE FILTER UNIT Type XT-F1

Technical data

 Power consumption: 	Depending on design max. 16 A	 Heated pipe in various lengths
• Piping:	8/6 mm Pipe Fitting	 Gallows mounting
• Max. inlet pressure:	max. 3.5 bar abs. ; 10 bar high pressure	 Heated wall duct
	[higher pressures on demand]	
Control air:	6 bar	
Classification control air:	Filtered compressed air, oil free,	Options
	by ISO 8573-1, Class 3.4.3	 3 Sample gas inlets
Temperature sensor:	NiCr-Ni (Type K), PT100, Fe-CuNi	 Purge air outlet
Materials:		Pressure controller
Utility zone:	Stainless steel 1.4305 & 1.4404 / PTFE	 Low air pressure switch
Housing:	Aluminium, anodized/ powder-coated	
 Power supply: 	230 V/50 Hz (Mains-connection cable 3 m)	
 Heating power internal: 	600 W	
 Heating power external: 		
Input:	3 x 540 W (max.)	
Output:	1350 W (max.)	
Temperature:	up to +200°C	
 Filter fineness: 	0.5 μm (option additionally 0.1 μm)	
Measurements (WxHxD):	350 x 525 x 350 mm	
• Weight:	29.5 kg	

Gas flow scheme



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Accessories

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