

ECO-FRIENDLY
FILTER SEPARATOR
HFAH

SUITABLE FOR UP TO 30% H₂ FEED INTO THE GAS NETWORK

Filter separator

- Filter separator as horizontal pressure device with separate fixed collecting vessel
- For high-quality separation of solid and liquid particles in large gas flows
- 3-stage, suitable for natural gas, related combustible gases, hydrogen and aggressive gases
- Standard equipment with the HEAT *energy* interlocking quick-release fastener with swivel arm
- Standard cartridges 5½" x 36", 4½" and/or 72" can be equipped on request

Benefits

- Suitable for up to 30% H₂ feed into the gas network
- Management of large gas flows with high levels of solid and liquid contamination
- Gas pre-cleaning via baffle tubes (of the filter attachment)
- Stable coalescer cartridges for the retention of solid and liquid particles
- Downstream, carefully designed vane package for efficient liquid separation
- Customised design with free orientation of the inlet nozzle
- Low flow rates for excellent separation
- Sheath diameter from DN 300, standard equipment with the HEAT *energy* quick-release fastener
- Easy manual cleaning thanks to cover with swivel arms on the sump tank

Functional description

- Cleaning of moist and dry particle contaminants with 3-stage separation
- **Baffle tubes** for coarse separation
- **Coalescer cartridges** with galvanised support basket, multi-layer glass fibre winding and outer hose
- **Vane package** with optimised separation pockets for liquid fine separation
- Cleaning solids: 99.5% ≥ 1 to 2 µm 99.9% ≥ 3 µm
- Cleaning liquids: 99.5% ≥ 8 µm 99.9% ≥ 10 µm
- Differential pressure, clean cartridge: 10 - 75 mbar Cartridge change at max: 800 mbar
- Bursting differential pressure of the cartridge: 3.5 bar
- Double liquid collection tank with separate discharge

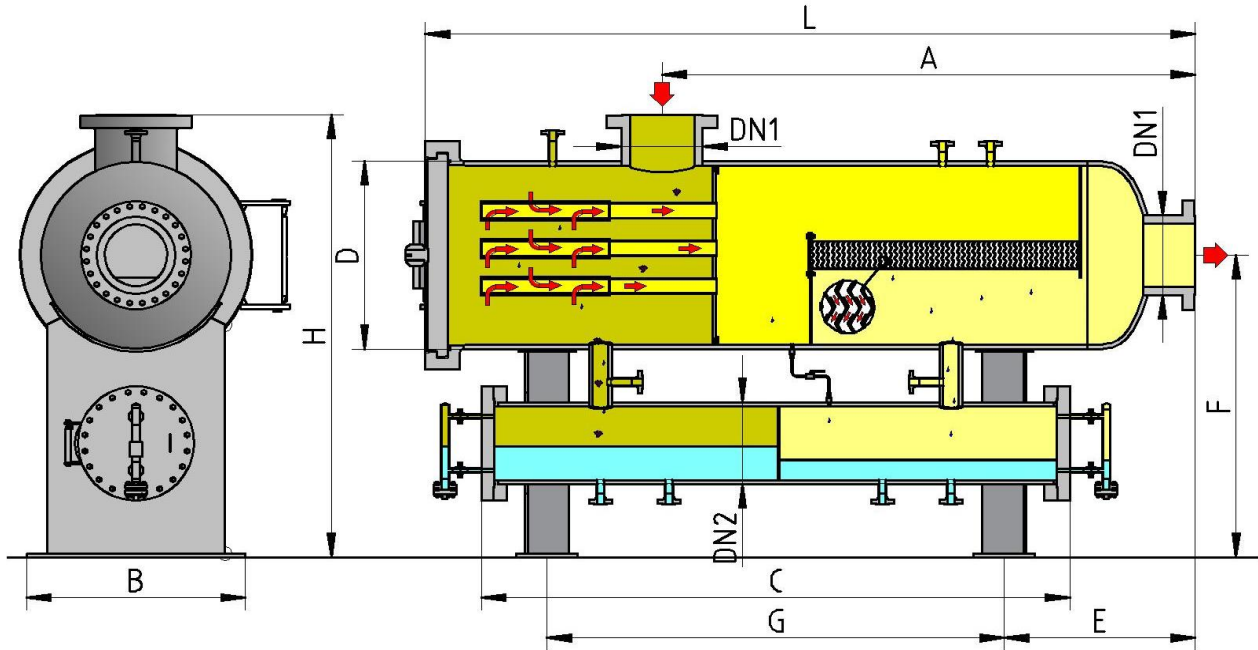
Design and calculation

- Design in accordance with PED2014/68/EU, EN13445, AD2000; with CE marking
- Optional design in accordance with ASME Section VIII, with/without U-stamp, further specific country codes
- Continuous application of ISO9001 with regularly audited quality system
- Process-engineering design in accordance with own adapted calculation programmes
- NACE design possible as an option
- Low temperature and maximum pressure design available according to customer requirements
- Preliminary examination/construction testing, material testing, non-destructive material testing in accordance with design standard
- Acceptance by experts such as TÜV, Lloyd, etc., also by a customer expert

Optional accessories

- HEAT *energy* quick-release fasteners hydraulically rotatable and/or pivotable, with lip seal
- Quick-release fasteners for the filter cartridge inserts and for the sump tanks
- Cellulose pre-filter with coalescer element, stainless steel design
- Pressure safety valves, pressure gauge, differential pressure transmitter/indicator with alarm
- Discharge fittings as automatic device with level indicator/switch
- Drain and vent cocks, blanking discs, sump heater with insulation
- Special coating systems for exposed locations

HFAH filter separator



Standard sizes Customised solutions available – detailed design always in accordance with quote

HFAH Type	m ³ /h _{max} at p _e _{min}	DN 1	DN 2	L	B	H	A	C	D	E	F	G	Filter Stk/pc
500.4	1.250	150	150	3250	500	1500	1750	2500	508	750	1050	1750	4
600.7	2.000	200	200	3750	600	1750	2150	3000	610	900	1250	1950	7
700.10	3.500	250	250	4250	700	1900	2500	3600	711	1000	1350	2450	10
800.14	4.000	300	300	4750	1200	2200	3200	3800	813	1050	1450	2700	14
900.19	5.000	300	300	4950	1000	2200	3300	4100	915	1050	1500	2850	19
1000.22	8.500	400	400	5400	1200	2400	3700	4600	1000	1100	1700	3200	22
1200.31	12.500	500	500	5700	1400	2600	4100	4900	1200	1200	1850	3300	31
1500.50	17.500	600	500	6000	1600	2900	4250	5400	1500	1300	2050	3400	50
1800.73	20.000	700	600	6200	1800	3300	4400	5500	1800	1350	2300	3500	73

Standard dimensions – vary according to technical specifications

HEAT

GAS AND OIL EQUIPMENT

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Enquiry sheet

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