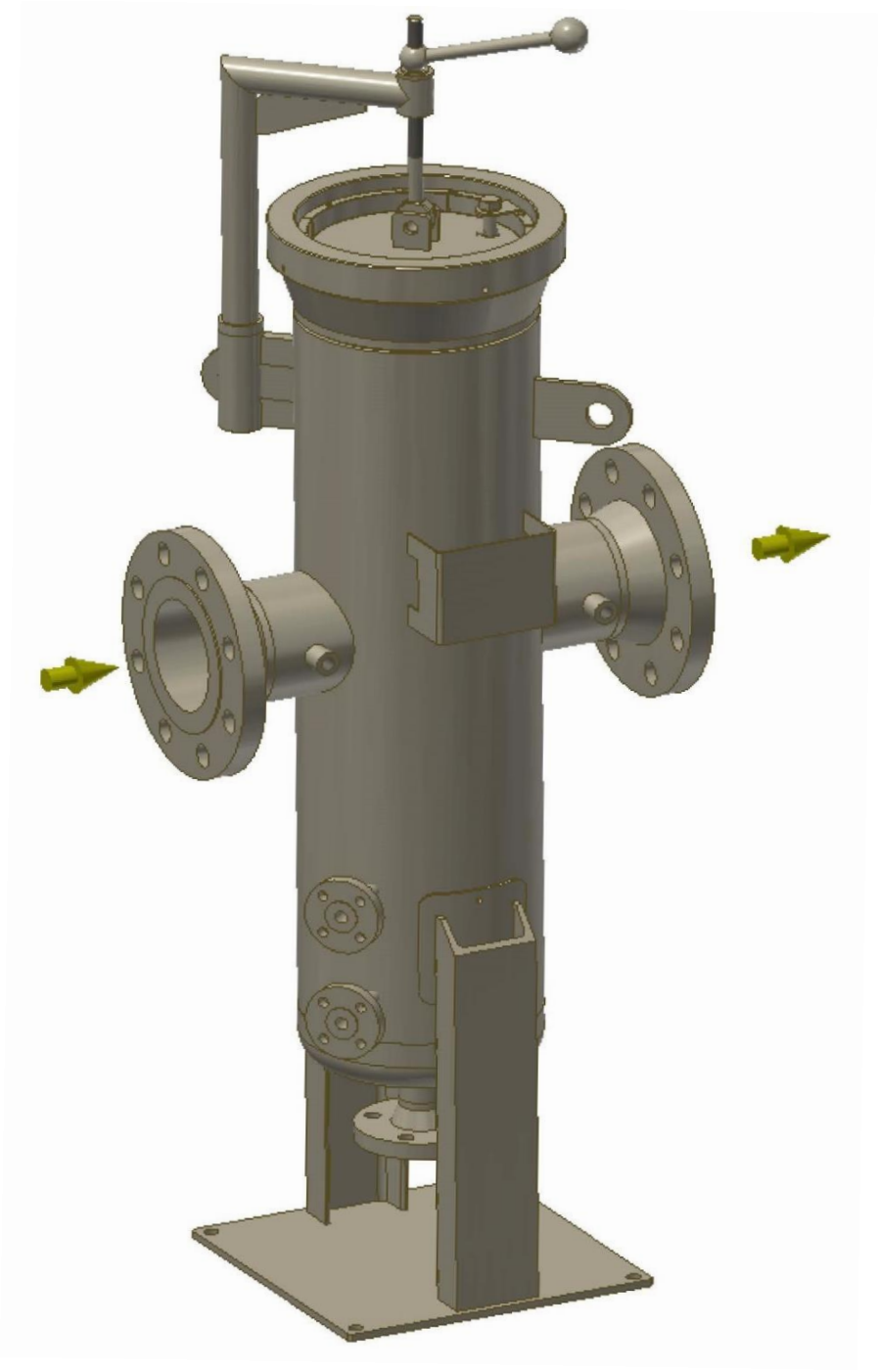


ECO-FRIENDLY

FILTER SEPARATOR HFAZ

SUITABLE FOR UP TO 30% H_2 FEED INTO THE GAS NETWORK

Filter separator

- Filter separator as vertical pressure device in welded steel construction
- For high-quality separation of solid and liquid particles in gases
- Suitable for natural gas, related combustible gases, hydrogen and non-aggressive gases

Benefits

- Suitable for up to 30% H_2 feed into the gas network
- The compact design allows inline execution
- A central cyclone ensures pre-separation of larger impurities
- Stable fine cartridges guarantee high separation rates
- Customised design with free nozzle position, selectable gas rail axis, etc.
- Differential pressure measurement of the filter cartridge possible without additional installations
- Sheath diameter from DN 200, standard equipment with the HEAT *energy* quick-release fastener
- Swivel arm as standard with the quick-release fasteners and larger container lid
- Special version also available for higher pressures and temperatures

Functional description

- Cleaning of moist and dry particle contaminants thanks to 2 stages
- Filter cartridge with galvanised outer and inner support cage, with impregnated, reinforced and folded cellulose, cartridge sealing reliably released by upper and lower perbunan ring
- Cleaning liquids: 99.6% > 2 µm 99.9% 3 µm
- Cleaning solids: 99,5% > 8µm 99,8% 10µm
- Differential pressure, clean cartridge: 10 - 20 mbar Cartridge change at max: 800 mbar
- Bursting differential pressure of the cartridge: min. 2.0 bar

Design and calculation

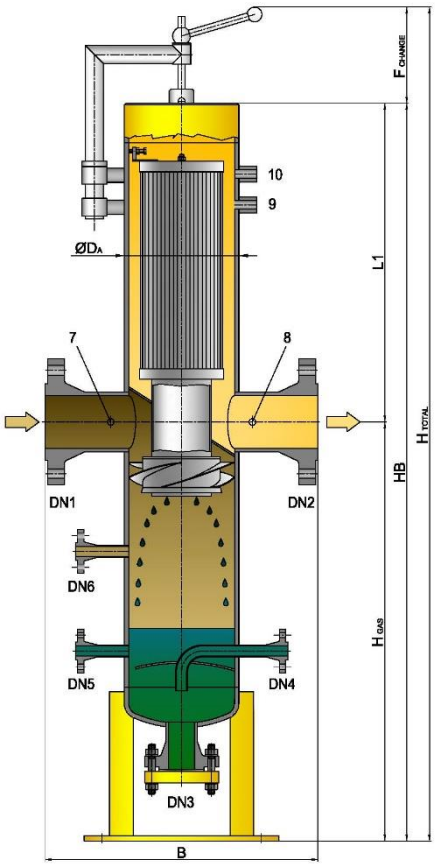
- Design in accordance with PED2014/68/EU, EN13445, AD2000; with CE marking
- Optional design in accordance with ASME Section VIII, with/without U-stamp, further specific country codes
- Continuous application of ISO9001 with regularly audited quality system
- Process-engineering design in accordance 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
- Customer-specific acceptance requirements optionally selectable
- Acceptance by experts such as TÜV, Lloyd, etc., also by a customer expert

Optional accessories

- Pressure safety valves, pressure gauge, differential pressure transmitter/indicator with alarm
- Discharge fittings also as automatic devices with level indicator/switch
- Stainless steel version possible, either entirely or from the cartridge outlet onwards
- Drain and vent cocks
- Blanking discs, sump heater with insulation
- Coating systems for special locations

Technical data

HFAZ Type / Press. min	Operating m^3/h_{max} at p_{min} bar(g)					
	0-4	5-10	11-16	17-25	26-40	41-50
150.1	152	152	152	152	152	152
200.1	345	345	345	285	233	180
200.2	345	345	345	345	345	345
250.1	635	635	520	425	350	280
250.2	635	635	635	635	630	555
300.1	1230	1230	1135	935	765	610
300.2	1230	1230	1230	1230	1140	910
300.3	1230	1230	1230	1230	1230	1230
400.1	2060	2060	2060	1835	1510	1200
400.2	2060	2060	2060	2060	2060	1730
500.1	3100	3100	2800	2680	2000	1585
500.2	3100	3100	3100	3100	2800	2400
500.3	3100	3100	3100	3100	3100	2650
600.1	4760	4760	4760	4760	4200	3360
600.2	4760	4760	4760	4760	4760	3950



DN 1, 2 Gas flanges also in different nominal widths
DN 3 Drain Outlet flange optionally with ball valve G1/2”
DN 4, 5, 6 DN25 PN.. or A...RF
Connections 7, 8, 9, 10, 11 optional G ½” internal

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

HFAZ	DN_{Gas}	DN_{Drain}	Ø D_A	B min. overall length per pressure class			H_{total}	H_{Gas}	H_B	F_{change}	Filter cartridge		
Type	1, 2	3	mm	PN100/A600RF	PN40/A300RF	PN16/A150RF	mm	mm	mm	mm	pc	m²	D/d *L
150.1	50	25	**168,3**	500	440	380	1670	950	1350	300	1	1,00	122/60 *200
200.1	80	50	**219,1**	550	520	460	1720	1000	1400	300	1	1,00	152/90 *200
200.2	100						1920		1600	300	2	2,00	
250.1	100	50	**273,0**	650	590	530	1820	1050	1500	300	1	1,50	212/150 *200
250.2							2020		1700	300	2	3,00	
300.1	150	80	**323,9**	770	650	610	2150	1100	1800	400	2	3,30	232/170 *200
300.2							2350		2000	400	3	4,95	
300.3							2550		2200	400	4	6,60	
400.1	200	80	**406,4**	900	780	740	2600	1200	2250	520	1	6,48	280/220 *200
											1		280/220 *500
400.2							2900		2550	520	2	9,26	280/220 *500
500.1	250	80	**508,0**	1050	930	850	2850	1300	2500	620	1	8,40	332/270 *200
											1		332/270 *600
500.2							3050		2700	620	2	12,60	332/270 *600
500.3	300			1100	980	890	3450		2900	720	2	14,70	332/270 *700
600.1	300	100	**610,0**	1160	1040	960	3450	1400	3050	620	2	18,00	412/350 *600
600.2							3650		3250	720	2	21,20	412/350 *700

EQUIPMENT FOR GAS/OIL AND GREEN ENERGY

HEAT energy GmbH
A-2362 Biedermannsdorf, Siegfried Marcus-Str. 16a
Tel.: +43 2236 387040
office@heatgroup.at
www.heatgroup.at

HEAT energy Kft.
H-8800 Nagykanizsa, Erdész u. 28.
Tel.: +36 93 537 140
Fax: +36 93 537 142
heat-energy@heatgroup.hu
www.heatgroup.at

HEAT gaswärmetechnische Anlagen GmbH
D-34119 Kassel, Querallee 41
Tel.: +49 561 288 56-0
Fax: +49 561 288 56-20
office@heatgroup.de
www.heatgroup.de

LOG Oiltools Kft.
H-8800 Nagykanizsa, Erdész u. 28.
Tel.: +36 93 537 140
Fax: +36 93 537 142
info@logoiltools.hu
www.logoiltools.hu

HEAT Romania S.R.L.
RO-547 185 Cristesti (Targu Mures)
Strada Principală nr. 801
Tel.: +40 365 430 057
Fax: +40 365 430 057
office@heatgroup.ro
www.heatgroup.at

HEAT Hungary Kft.
H-1047 Budapest, Attila u. 63.
Tel.: +36 1 369 15 32
Fax: +36 1 369 72 16
heatgroup@heathungary.hu
www.heathungary.hu

HEAT Poland Sp. z o.o.
PL-40 761 Katowice, ul. Twarda 21
Tel.: +48 32 252 17 82
Fax: +48 32 252 17 82
info@heatgroup.pl
www.heatgroup.pl

HEAT Bulgas OOD
BG-1113 Sofia, Fr. Joliot Curie Str. 20, Office 803
Tel.: +359 88 945 2607
office@heatgroup.bg
www.heatgroup.at

DSG DeNOx Systems GmbH
A-2362 Biedermannsdorf, Siegfried Marcus-Str. 16a
Tel.: +43 1 226 7700
office@denoxsystems.com
www.denox.at

HEAT Holding International GmbH
A-2362 Biedermannsdorf, Siegfried Marcus-Straße 9
Tel.: +43 2236 387040
office@heatgroup.at
www.heatgroup.at