



IFH industrial gas housing

Stainless steel housings for critical applications in Food & Beverage, Pharmaceutical and Chemical industries

The IFH series are single cartridge, inline filter housings designed for safe and efficient filtration of steam, gases and liquids in utility and process applications. They are available in a wide range of configurations and are manufactured in compliance with the industry standards. The stainless steel housings with high quality elektro-polish finishing provide maximum durability and resistance to corrosion while ensuring ultimate fluid quality.

Together with the Atlas Copco filter cartridges series MSS, MPSC, SWG and SFG they provide safe, reliable and efficient performance.



Key features:

- Proven design for steam and hot gases filtration
- High flow and low pressure drop
- High quality electro-polish surface treatment
- Union closure for easy access
- Working pressure 16 bar/232 PSI

Applications:

- Steam
- Compressed air, nitrogen and other gases
- Pre-, after- and final filtration
- Particle removal, coalescing and sterilizing purposes

Qualifications:

- Manufacturing acc. ISO 9001
- Design PED 2014/68/EU
- Gasket material meets FDA title 21 and EU
- Regulation No. 1935/2004
- Documentation (CoC, material certificates, etc.) included

Protecting process, products and people

Atlas Copco's process filters optimize your productivity while protecting your process, product and consumers. Our portfolio of cartridges and housings covers all your filtration needs. The products are made from proven, high quality materials from reputable suppliers and manufactured in a controlled environment subjected to strict QA/QC procedures.



Product specifications

Materials	
Housing	SS304/SS316L
Internals	SS304/SS316L
Gasket	EPDM, Silicone ¹
Design	
Design code	PED 2014/68/EU, fluid group 2
Design pressure	-1/16 bar(g) - 14.5/232 PSIG
Design temperature	-20/94°C - -4/200 °F
Vessel style	T - Plenum with side inlet and outlet
Closure	Union
Installation	Inline
Finishing	
Internal/external	Electro-polish
Weld finishing	As welded

¹ = Materials comply with EU Regulation No. 1935/2004 and FDA title 21

Product configuration

Series	Pressure bar	Cartridge			Housing Material	Gasket Material	Closure	Finish	In/Outlet Connection
		No.	Size	Style					
IFH	16	1	0420 / 0525	UF	SS304	E = EPDM	U = Union	E ¹	See table
	12		0730 / 1030		SS316L	S = Silicone			
			1530 / 2030						
			3030 / 3050						

¹ = Electro polish (internal/external), standard

Example: IFH 16 1 3030 UF SS316L S U E DN80/PN16

Note: Some combination are invalid, please check with the local Atlas Copco representative

Connections

Size	Flow m ³ /h	Weight kg	Drain ¹ Connection	Vent ¹ Connection	In/Outlet Connection		
					BSP/NPT	ISO1092-1	ANSI B16.5
0420	120	2	1/4" F	1/4" F	1/2" F		
0525	270	3	1/4" F	1/4" F	1" F		
0730	480	5	1/4" F	1/4" F	1 1/2" F	DN40/PN16	1.5"ANSI150#
1030	1080	6	1/4" F	1/4" F	2" F	DN40/PN16	2"ANSI150#
1530	1080	6	1/4" F	1/4" F	2" F	DN40/PN16	2"ANSI150#
2030	1440	8	1/4" F	1/4" F	2 1/2" F	DN40/PN16	2.5"ANSI150#
3030	1920	10	1/4" F	1/4" F		DN40/PN16	3"ANSI150#
3050	2880	16	1/4" F	1/4" F		DN40/PN16	3"ANSI150#

¹ = BSP for ISO flanges, NPT for ANSI flanges

