AZO air purged filters
types AF 800 and AF 1100

Compact construction

Large filter surface

Operator-friendly

Easy inspection

Preferred applications

The air purged filters of the AF model line are used in bins or conveyor scales of vacuum- and pressure-conveying systems, serving to separate the product from the conveying air. Filter cleaning of the hose filters is effected automatically via compressed-air pulses.

Special advantages

- Compact construction
- Stainless nickel chromium steel
- Large filter surface in
- smallest space
- Operator-friendly through servicing device
- The upper part of the filter can be pushed to one side for inspection of the hose filters

How it works

If the AF filter is installed in a bin or conveyor scale, it is connected to the vacuum generator on the clean-air side. The clean-air connecting piece is turnable by a clamping ring, which makes it well adaptable to the room situation. The conveying air streams through the individual hose filters of the filter insert. The bulk material is held back by the filter material while the purged air escapes through the clean-air connection to the vacuum generator.

THE INNOVATION

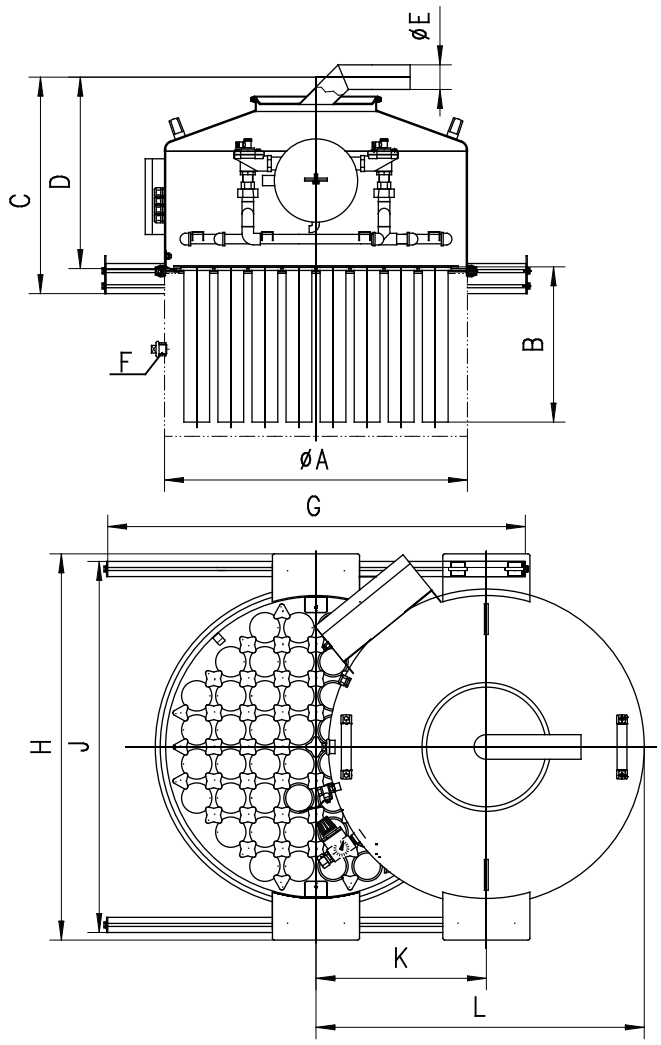
The dedusting of the diaphragm valve can be effected centrally via PLC or via a closed control. The interval periods and the cleaning-pulse lengths are preset in the filter control. Optionally, a dedusting via differential pressure, can be effected. A diaphragm valve opens and closes the port from compressed-air chamber to compressed-air distributor. Via a pipeline system, the compressed air is directed directly through the individual hose filters. The special design of the nozzle bars ensures highly uniform and intensive cleaning of the individual hose filters. The standard features include earthing of the filter plate, connecting pieces for measuring the differential pressure, and a lifting/sliding device for inspection and maintenance purposes. The latter makes it possible to move the upper part of the filter laterally on profile tracks, making the individual hose filters freely accessible for quick inspection as well as for cleaning and maintenance work. Condensate forming in the compressed-air chamber can be let off through a condensate draining device. The built-in pressure-reducing valve serves to set the air pressure required for filter cleaning.

AZO® SOLIDS

4614 1104 GB

Technical data

Air purged filters types AF 800 and 1100



Type	ØA	B	F	G	H
AF 800-3,6	800	715	R ¾ "	1110	1020
AF 800-4,3	800	415	R ¾ "	1110	1020
AF 800-5,1	800	1020	R ¾ "	1100	1020
AF 800-7,2	800	715	R ¾ "	1110	1020
AF 800-10,2	800	1020	R ¾ "	1110	1020
AF 1100-7,2	1104	715	R ¾ "	1550	1360
AF 1100-8	1104	410	R ¾ "	1550	1360
AF 1100-10,2	1104	1020	R ¾ "	1550	1360
AF 1100-13,5	1104	710	R ¾ "	1550	1360
AF 1100-19	1104	1010	R ¾ "	1550	1360

Type	J	K	L	X	Y	Z
AF 800-3,6	980	455	872	3,6	26	100
AF 800-4,3	980	455	872	4,3	52	100
AF 800-5,1	980	455	872	5,1	26	100
AF 800-7,2	980	455	872	7,2	52	100
AF 800-10,2	980	455	872	10,2	52	100
AF 1100-7,2	1320	675	1285	7,2	52	120
AF 1100-8	1320	675	1285	8,0	97	120
AF 1100-10,2	1320	675	1285	10,2	52	120
AF 1100-13,5	1320	675	1285	13,5	97	120
AF 1100-19	1320	675	1285	19,0	97	120

ØE	AF 800		AF 1100	
	C	D	C	D
NW 50	580	514	570	550
NW 65	572	506	562	541
NW 80	580	514	570	549
NW 100	590	524	580	559
NW 125	605	540	595	575
NW 128	605	540	595	575

X = Filter surface in (m^2)
Y = Number of hose filters
Z = Compressed-air consumption in (standard dm^3/pulse)

Filter material:

standard:

PES-NA	Polyester needle felt
PES-NA AS	Polyester needle felt (antistatic)
PES-NA PTFE	Polyester needle felt (PTFE diaphragm)
PES-NA PTFE AS	Polyester needle felt (PTFE-diaphragm antistatic)

alternative:

PE PTFE	sintered polyetheleen PTFE diaphragm
PE PTFE AS	sintered polyetheleen PTFE diaphragm antistatic

Accessory:	Control unit for dedusting the hose filters
Compressed air quality:	water- and oil-free
Mains supply pressure:	5-6 bar pressure

AZO GmbH + Co. KG
D-74706 Osterburken
Tel. +49 (0)6291 92-0
azo-solids@azo.com
www.azo.com