

Filter for humidity and temperature sensors

Filters and protective baskets are used to adapt sensors to the different locations where they are deployed. They protect the sensor from mechanical damage caused by particle penetration at higher air speeds and certain deposits.

Open filters

- Zero air speed
- Clean atmosphere
- Quick response time



Possible applications
Laboratory and indoor applications

Recommended for
GC, DW, LW, BW

Humidity response time	Operating temp.	Protection	Article no.	Price €
< 20s	-40...85 °C	IP 20	ZE07	3.44
20s	-80...200 °C	IP 10	ZE04	25.35
< 20s	-40...85 °C	IP 20	ZE16	5.27

Not suitable for high humidity, outdoor applications or dusty conditions

Filters with stainless steel gauze

- Low air speed
- Clean atmosphere
- Coarse dirt

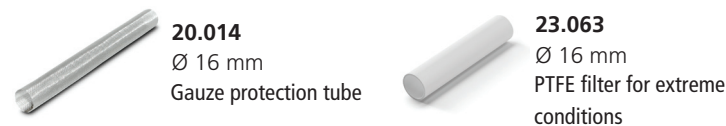
Possible applications
Climate chambers, ventilation systems

Recommended for
A & B series, I series
PC/RC, VC, KC, ZC, GC



Humidity response time	Operating temp.	Protection	Article no.	Price €
< 1 min	-80...200 °C	IP 40	ZE15	59.25
< 1 min	-40...85 °C	IP 40	ZE17	10.54

Filter for Polyga duct mounted version



Recommended for
(T)FG80, HG80

Humidity response time	Operating temp.	Protection	Article no.	Price €
	bis 80 °C		20.214	6.22
	bis 80 °C		23.063	18.03

Filter with membrane

- Air speed up to 10 m/s
- Aerosols
- Dust



Possible applications
Meteorology
Industry

Recommended for
all capacitive sensors with filter
(depending on diameter)

Humidity response time	Operating temp.	Protection	Article no.	Price €
< 1,5 min	-40...85 °C	IP 30	ZE08	6.83
< 2 min	-50...150 °C	IP 54	ZE26	64.18
< 1,5 min	-40...85 °C	IP 54	ZE20	25.35

Sintered stainless steel filters

- Air speed up to 20 m/s
- Outdoor applications
- Dust



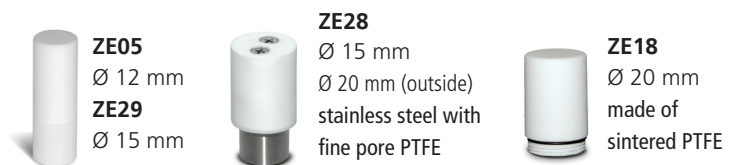
Possible applications
Sand particles
Heavy duty industry

Recommended for
A & B series, I series
VC, KC, ZC, GC-ME,
PC (U output)

Humidity response time	Operating temp.	Protection	Article no.	Price €
< 1,5 min	-80...200 °C	IP 65	ZE13	25.35
< 1,5 min	-50...150 °C	IP 65	ZE22	25.35
< 1,5 min	-50...150 °C	IP 65	ZE21	25.35

Sintered PTFE filters

- Air speed up to 20 m/s
- Outdoor applications



Possible applications
High dust exposure
Swimming pools
Heavy duty industry

Recommended for
L series, D series, A & B series, I series, KC, ZC (only ZE28)

Humidity response time	Operating temp.	Protection	Article no.	Price €
< 3 min	-80...200 °C	IP 65	ZE05	20.48
< 3 min	-80...200 °C	IP 65	ZE29	28.01
< 3 min	-80...200 °C	IP 65	ZE18	31.57
< 3 min	-50...200 °C	IP 65	ZE28	84.85

ZE18 not suitable for series PC/RC
ZE29 not suitable for KC, ZC