All-rounder

Industry

Humidistats

Condensation controllers

Accessories Humidity measurement

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









| ZE16 |
|-------------------------|
| Ø 20 mm |
| Plastic PBT conductive, |
| metallised |

| Humidity response time | Operating temp. | Protection | Article no. | Price € |
|------------------------|-----------------|------------|-------------|---------|
| < 20s | -4085 °C | IP 20 | ZE07 | 3.44 |
| 20s | -80200 °C | IP 10 | ZE04 | 25.35 |
| < 20s | -4085 °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



ZE15 Ø 15 mm Stainless steel with stainless steel fine gauze



ZE17 Ø 20 mm Plastic with stainless steel fine gauze

| Humidity response time | Operating temp. | Protection | Article no. | Price € |
|------------------------|-----------------|------------|-------------|---------|
| < 1 min | -80200 °C | IP 40 | ZE15 | 59.25 |
| < 1 min | -4085 °C | IP 40 | ZE17 | 10.54 |

Filter for Polyga duct mounted version



20.014 Ø 16 mm Gauze protection tube



23.063 Ø 16 mm PTFE filter for extreme conditions

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

Possible applications

Recommended for

(depending on diameter)

all capacitive sensors with filter

Aerosols

Meteorology

Industry

• Dust

ZE08 Ø 12 mm Plastic PC with membrane



ZE26 Ø 15 mm Stainless steel with membrane



ZE20 Ø 20 mm Plastic, metallised, with membrane

| Humidity response time | Operating temp. | Protection | Article no. | Price € |
|------------------------|-----------------|------------|-------------|---------|
| < 1,5 min | -4085 °C | IP 30 | ZE08 | 6.83 |
| < 2 min | -50150 °C | IP 54 | ZE26 | 64.18 |
| < 1,5 min | -4085 °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)



< 1,5 min

< 1,5 min

< 1,5 min

Humidity response time



Operating temp.

-80...200 °C

-50...150 °C

-50...150 °C





Article no. Price € Protection IP 65 ZE13 25.35 IP 65 ZE22 25.35 IP 65 ZE21 25.35

Sintered PTFF filters

Possible applications

High dust exposure

Heavy duty industry

Recommended for

series, KC, ZC (only ZE28)

L series, D series, A & B series, I

Swimming pools

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



ZE05 Ø 12 mm **ZE29** Ø 15 mm







ZE18 Ø 20 mm made of sintered PTFE

| Humidity response time | Operating temp. | Protection | Article no. | Price € |
|------------------------|-----------------|------------|-------------|---------|
| < 3 min | -80200 °C | IP 65 | ZE05 | 20.48 |
| < 3 min | -80200 °C | IP 65 | ZE29 | 28.01 |
| < 3 min | -80200 °C | IP 65 | ZE18 | 31.57 |
| < 3 min | -50200 °C | IP 65 | ZE28 | 84.85 |

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