

Sieve Basket Strainer Series 11

Product Description

The FAUDI Aviation Single Sieve basket strainer Type 11 is used for the filtration of fluids and gases. The Sieve basket strainer consists of a perforated sieve basket made of Carbon steel, Stainless Steel or other materials, depending on the fuels or gases being filtered.

Installations

- The Sieve basket strainer can be installed as a suction or pressure filter
- Vertikale oder horizontale Anwendungen sind möglich
- For both installations a shut-off valve must be fitted at the inlet/outlet connection and the drain point.

Applications

- As a strainer in pipework systems for the separation of unwanted contaminations (rust, dirt)
- Prefilter for oil and gas pipelines
- Protection Filter for meters, valves, pumps and safety devices

Technical Details

- Change out differential pressure: 1 bar (higher in case of special designs)
- Operating temperature: -10 / +50 °C (depending on model type)
- Design pressure: depending on model type

Standard Design

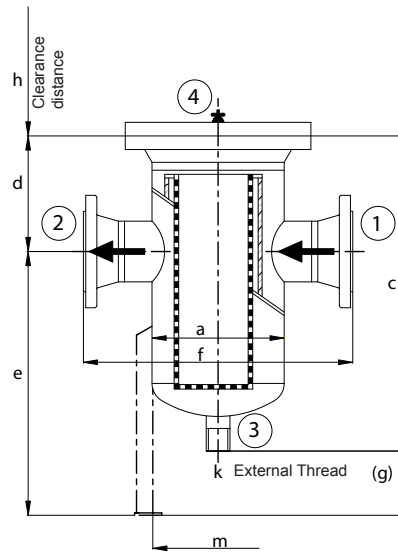
- Vertical or horizontal cylindrical housing with a dished bottom
- Depending on the size and pressure rating, Type 11 is fitted with a flat or dished cover
- Standard flange joint fastened with hexagonal bolts and nuts to secure the cover
- Alternative cover closures are possible (See page 2)

Maintenance & Inspection Features

- By reaching a maximum differential pressure of 1 bar (higher for special designs) the shut-off valves should be closed
- Drain and air vent valves should be opened
- The vessel should be drained
- Removal of the housing cover, release of the basket fastenings
- The basket should be taken out of the vessel housing for cleaning procedures
- Cleaning of the basket will be made mechanically by parallel brushing and flushing
- For reassembly it must be ensured that the filter mesh and the gaskets are undamaged
- All gasket surfaces must be cleaned
- Gasket must be properly seated

Sieve Basket Strainer Series 11

Dimensions in mm



| Model No. | Connections DN | Filter-area (cm ²) | Weight (kg*) | Volume (Liter) | Ø a | c | d | f | h | k | Ø m | e | g |
|-----------|----------------|--------------------------------|--------------|----------------|-------|-------|-----|-------|-------|--------|-------|-------|-----|
| 11.10 | 40 | 300 | 17 | 2,8 | 114 | 260 | 90 | 360 | 200 | G ½" | 115 | 420 | |
| 11.13 | 65 | 640 | 23 | 5,3 | 139 | 350 | 110 | 400 | 270 | G ¾" | 140 | 490 | |
| 11.19 | 100 | 1.250 | 48 | 11 | 193 | 435 | 125 | 470 | 360 | G 1" | 195 | 560 | |
| 11.27 | 150 | 3.200 | 106 | 38 | 273 | 680 | 200 | 570 | 550 | G 1¼" | 275 | 730 | |
| 11.36 | 200 | 4.800 | 160 | 74 | 368 | 715 | 200 | 690 | 550 | G 1¼" | 370 | 765 | |
| 11.45 | 250 | 5.800 | 275 | 110 | 457 | 720 | 250 | 790 | 550 | G 1¼" | 460 | 720 | |
| 11.55 | 300 | 10.000 | 360 | 210 | 550 | 950 | 300 | 920 | 750 | G 1½" | 550 | 900 | |
| 11.60 | 350 | 14.000 | 560 | 350 | 600 | 1.170 | 370 | 1.050 | 1.100 | DN 50 | 600 | 1.050 | 250 |
| 11.70 | 400 | 18.000 | 710 | 480 | 700 | 1.250 | 400 | 1.200 | 1.100 | DN 50 | 700 | 470 | 250 |
| 11.85 | 500 | 26.500 | 880 | 890 | 850 | 1.570 | 470 | 1.400 | 1.350 | DN 80 | 850 | 1.350 | 250 |
| 11.00 | 600 | 33.500 | 1.340 | 1.250 | 1.000 | 1.675 | 575 | 1.550 | 1.350 | DN 80 | 1.000 | 1.350 | 250 |
| 11.01 | 700 | 37.500 | 1.500 | 1.370 | 1.100 | 1.730 | 560 | 1.600 | 1.350 | DN 100 | 1.100 | 1.420 | 250 |

(The dimensions are valid up to 16 bar, 50 °C and with standard cover closure)

| Deckelverschluß | | Werkstoff | | Druckstufe bar | | Anschlüsse DN | | Einsatz | | Gewebe | |
|-----------------|---|-----------|-----------------------|----------------|-------|---------------|-----|---------|-------------------|--------|-------------------|
| 1 | Standard | 0 | Carbon steel | 0 | 6 | 02 | 20 | 1 | 1.4541 | 0 | Without |
| 3 | Eye swing bolts | 1 | 1.4541 | 1 | 10 | 03 | 32 | 2 | 1.4571 | 1 | 1.4541 |
| 4 | Segmental bolt closure | 2 | 1.4571 | 2 | 16 | 04 | 40 | 3 | Monel | 2 | 1.4571 |
| 7 | Patent quick opening closure with cover davit | 3 | Carbon steel (coated) | 3 | 25 | 05 | 50 | 4 | Special materials | 3 | Monel |
| | | 6 | Special materials | 4 | 40 | 06 | 65 | | | 4 | Special materials |
| | | | | 5 | 64 | 08 | 80 | | | | |
| | | | | 6 | 100** | 10 | 100 | | | | |
| | | | | 7 | 160** | 12 | 125 | | | | |
| | | | | | | 15 | 150 | | | | |
| | | | | | | 20 | 200 | | | | |
| | | | | | | 25 | 250 | | | | |
| | | | | | | 30 | 300 | | | | |
| | | | | | | 35 | 350 | | | | |
| | | | | | | 40 | 400 | | | | |
| | | | | | | 50 | 500 | | | | |
| 11.13 | 1. | 0 | | 1. | | 05 | | 1 | | 1 | |

Sample of Article Code = Model 11.131.01.0511

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Sieve Basket Strainer Series 21

Product Description

The FAUDI Aviation Single Sieve basket strainer Type 11 is used for the filtration of fluids and gases. The Sieve basket strainer consists of a perforated sieve basket made of Carbon steel, Stainless Steel or other materials, depending on the fuels or gases being filtered.

Installations

- The Sieve basket strainer can be installed as a suction or pressure filter
- Vertikale oder horizontale Anwendungen sind möglich
- For both installations a shut-off valve must be fitted at the inlet/outlet connection and the drain point.
- Main differences to our type 11: In- and Outlet connections are installed on different levels
- Overall height is bigger due to larger filter area - at similar vessel diameter

Applications

- As a strainer in pipework systems for the separation of unwanted contaminations (rust, dirt)
- Prefilter for oil and gas pipelines
- Protection Filter for meters, valves, pumps and safety devices

Technical Details

- Change out differential pressure: 1 bar (higher in case of special designs)
- Operating temperature: -10 / +50 °C (depending on model type)
- Design pressure: depending on model type

Standard Design

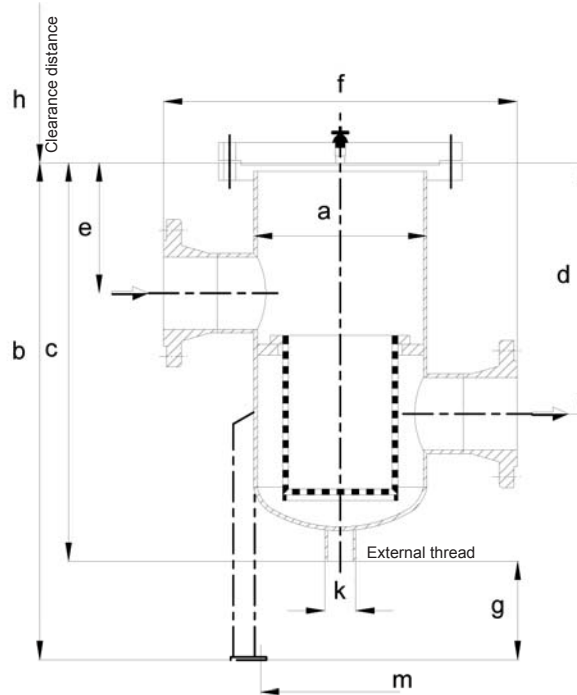
- Vertical or horizontal cylindrical housing with a dished bottom
- Depending on the size and pressure rating, Type 21 is fitted with a flat or dished cover
- Standard flange joint fastened with hexagonal bolts and nuts to secure the cover
- Alternative cover closures are possible (See page 2)

Maintenance & Inspection

- By reaching a maximum differential pressure of 1 bar (higher for special designs) the shut-off valves should be closed
- Drain and air vent valves should be opened
- The vessel should be drained
- Removal of the housing cover, release of the basket fastenings
- The basket should be taken out of the vessel housing for cleaning procedures
- Cleaning of the basket will be made mechanically by parallel brushing and flushing
- For reassembly it must be ensured that the filter mesh and the gaskets are undamaged
- All gasket surfaces must be cleaned
- Gasket must be properly seated

Sieve Basket Strainer Series 21

Dimensions in mm



| Model No. | Connections DN | Filter-area (m ²) | Weight (kg*) | Volume (Liter) | Ø a | b | c | d | e | f | g | h | k | Ø m |
|-----------|----------------|-------------------------------|--------------|----------------|-------|-------|-------|-------|-----|-----|-----|-------|-------|-----|
| 21.08 | 40 | 0,04 | 180 | 3 | 88,9 | 615 | 465 | 350 | 90 | 300 | 150 | 500 | R ½ | 100 |
| 21.10 | 50 | 0,07 | 240 | 5 | 114,3 | 655 | 505 | 375 | 90 | 360 | 150 | 500 | R ½ | 100 |
| 21.13 | 80 | 0,14 | 400 | 13 | 139,7 | 990 | 740 | 560 | 110 | 400 | 250 | 700 | R ½ | 120 |
| 21.19 | 100 | 0,22 | 640 | 24 | 193,7 | 1.070 | 820 | 575 | 125 | 470 | 250 | 800 | R ½ | 195 |
| 21.27 | 150 | 0,48 | 1.500 | 80 | 273 | 1.490 | 1.240 | 990 | 200 | 570 | 250 | 1.160 | R 1¼" | 275 |
| 21.36 | 200 | 0,80 | 2.550 | 163 | 368 | 1.750 | 1.500 | 1.200 | 200 | 690 | 250 | 1.350 | R 1¼" | 370 |
| 21.45 | 250 | 1,20 | 3.600 | 316 | 457 | 2.080 | 1.830 | 1.340 | 250 | 790 | 250 | 1.300 | R 1¼" | 460 |
| 21.55 | 300 | 1,60 | 5.250 | 470 | 550 | 2.250 | 2.000 | 1.600 | 300 | 920 | 250 | 1.400 | R 1¼" | 550 |

(The dimensions are valid up to 16 bar, 50 °C and with standard cover closure)

| Deckelverschluß | | Werkstoff | | Druckstufe bar | | Anschlüsse DN | | Einsatz | | Gewebe | |
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| | | | | 5 | 64 | 08 | 80 | | | | |
| | | | | 6 | 100** | 10 | 100 | | | | |
| | | | | 7 | 160** | 12 | 125 | | | | |
| | | | | | | 15 | 150 | | | | |
| | | | | | | 20 | 200 | | | | |
| | | | | | | 25 | 250 | | | | |
| | | | | | | 30 | 300 | | | | |
| 21.13 | 1. | 0 | | 1. | | 05 | | 1 | | 1 | |

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Applications

The main function of a clay filter is to remove unwanted surface active surfactants, colouring and other additives which may be present from the refining process or during transportation of Jet Fuel.

These unwanted surfactants can accumulate in the coalescer elements of a filter/water separator and reduce their water removal efficiency. Therefore such clay filter vessels are normally installed in front of a filter/water separator vessel.

To enable optimum performance of the adsorption process of the Attapul-gas Clay, the recommended flow rate per element is 25 l/min.



Construction (standard version)

Design pressure: 10 bar
Design temperature: -10 to +50° C
Design code: AD 2000 (German regulations for pressure vessels)
Material of construction: Carbon steel
Internal coating: acc. to MIL-C-4556 (latest Edition)
Other design pressures as well as other materials like aluminium or stainless steel are available upon request.

Accessories

For improved operation FAUDI Aviation Micro Filter may fitted with some or all of the following accessories:

- Automatic air eliminator
- Pressure relief valve
- Differential pressure gauge

Concept & Performance

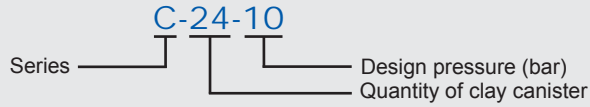
- Vertical mode
- Standard range - for optimum cost/performance ratio
- Quick delivery
- International standards
 - ▶ ASME Code, Section VIII with or without U-stamp
 - ▶ BS 5500
 - ▶ Stoomwezen
 - ▶ DNV, etc.

| | | |
|------------------------|---------|----------------------------|
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FAUDI
aviation
quality guarantees safety

C Series

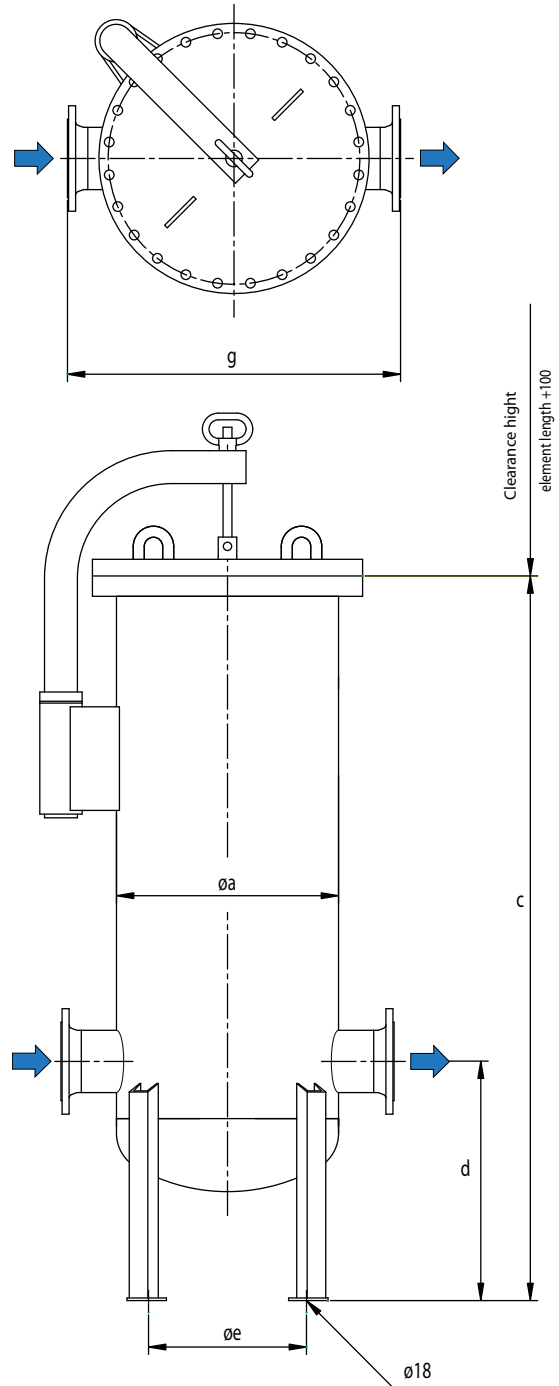
Sample of marking:



Technical Details

- for stationary and mobile applications
- for Jet A1, JP 1, JP 4, JP 8, Kerosene
- maximale flow rates up to 3.300 l/min, higher flow rates on request

| Model No. | Element | Flow rates | | Volume | Weight app. |
|-----------|---------|------------|-------|--------|-------------|
| | Qty. | l/min | USGPM | l | kg |
| C- 9 | 9 | 225 | 59 | 327 | 315 |
| C- 12 | 12 | 300 | 79 | 445 | 410 |
| C- 18 | 18 | 450 | 119 | 608 | 580 |
| C- 21 | 21 | 525 | 139 | 726 | 675 |
| C- 24 | 24 | 600 | 159 | 860 | 725 |
| C- 33 | 33 | 825 | 218 | 1,167 | 1,005 |
| C- 39 | 39 | 975 | 258 | 1,330 | 1,140 |
| C- 51 | 51 | 1,275 | 337 | 1,685 | 1,380 |
| C- 63 | 63 | 1,575 | 416 | 2,160 | 1,550 |
| C- 87 | 87 | 2,175 | 575 | 2,902 | 2,000 |
| C-108 | 108 | 2,700 | 713 | 3,845 | 2,430 |
| C-132 | 132 | 3,300 | 872 | 4,890 | 2,860 |



Dimensions in mm

| Model No. | Connections | | øa | c | d | øe | g |
|-----------|-------------|--------|------|------|-----|------|------|
| | DIN | ANSI | | | | | |
| C- 9 | 50 | 2" | 450 | 2435 | 425 | 550 | 700 |
| C- 12 | 65 | 2 1/2" | 520 | 2465 | 430 | 620 | 730 |
| C- 18 | 80 | 3" | 600 | 2525 | 460 | 700 | 820 |
| C- 21 | 80 | 3" | 650 | 2565 | 470 | 750 | 870 |
| C- 24 | 80 | 3" | 700 | 2615 | 480 | 800 | 920 |
| C- 33 | 100 | 4" | 800 | 2685 | 530 | 900 | 1050 |
| C- 39 | 100 | 4" | 650 | 2710 | 540 | 950 | 1100 |
| C- 51 | 100 | 4" | 950 | 2760 | 550 | 1050 | 1200 |
| C- 63 | 150 | 6" | 1050 | 2890 | 600 | 1150 | 1300 |
| C- 87 | 150 | 6" | 1200 | 2975 | 630 | 1300 | 1450 |
| C-108 | 200 | 8" | 1350 | 3110 | 695 | 1450 | 1650 |
| C-132 | 200 | 8" | 1500 | 3205 | 730 | 1600 | 1800 |

minor dimension divergences reserved!

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