

Strainer

Type FIA 15-200, 65 bar (943 psi)



FIA strainers are a range of angleway and straightway strainers, which are carefully designed to give favourable flow conditions. The design makes the strainer easy to install, and ensures quick strainer inspection and cleaning.

FIA strainers are used ahead of automatic controls, pumps, compressors etc., for initial plant start-up and where permanent filtration of the refrigerant is required. The strainer reduces the risk of undesirable system breakdowns and reduces wear and tear on plant components.

FIA strainers are equipped with a screen mesh of stainless steel, available in sizes 100, 150, 250 and 500 μ (microns*), (US 150, 100, 72, 38 mesh*).

* Mesh is the number of threads per inch.
 μ (microns) is the distance between two threads
(1 μ = 1/1000 mm).

Features

- Modular Concept:
 - Each valve housing is available with DIN and ANSI butt weld connection and in several different sizes.
 - Possible to convert FIA strainers to any other product in the SVL family (Shut-off valve, regulating valve, check & stop valve or check valve) just by replacing the complete top part.
- Fast and easy overhaul service. It is easy to replace the top part and no welding is needed.
- Filter net of stainless steel mounted direct without extra gaskets means easy servicing.
- Two types of strainer inserts are available:
 - A plain insert of stainless steel.
 - A pleated insert (DN 15-200) with extra large surface, which ensures long intervals between cleaning and low pressure drop.
- FIA 15-40 (½ – 1 ½ in.):
A special insert (50 μ) can be used in combination with a standard version when cleaning a plant during commissioning.
- FIA 50-200 (2 - 8 in.):
A large capacity filter bag (50 μ) can be inserted for cleaning plant during commissioning.
- FIA 65-200 (2½ - 8 in.) can be equipped with a magnetic insert for detention of iron particles and other magnetic particles.
- Each strainer clearly marked with type, size and performance range
- Housing and bonnet of low temperature steel in accordance with the requirements of the Pressure Equipment Directive and those of other international classification authorities
- Classification: DNV, CRN, BV, EAC etc.
To get an updated list of certification on the products please contact your local Danfoss Sales Company.
- Equipped with 42CrMo5 bolts to withstand high pressure.

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Technical data

- *Refrigerants*
Applicable to HCFC, HFC, R717 (Ammonia), R744 (CO₂) and flammable refrigerants.
For further information refer to the product instruction for FIA.
- *Temperature range*
-60/+150°C (-76/+302°F).
- *Max. working pressure*
65 bar (943 psig)

Design

Strainer Insert

A filter grid and filter net of stainless steel ensure long element life. The filter net offers a very high degree of cleanability.

Housing

The strainer housing is made of special, cold resistant steel.

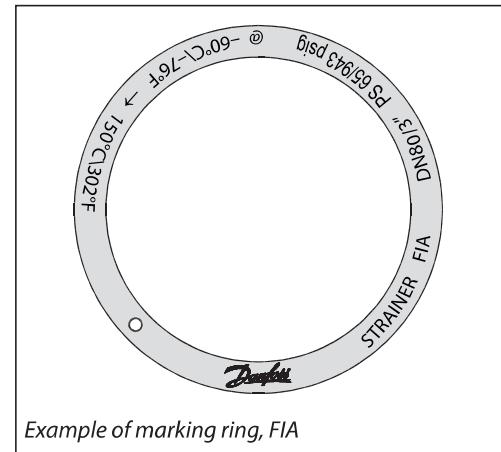
Installation/Maintenance

The strainer is designed to resist high internal pressures. However, the piping system in general should be designed to avoid liquid traps and reduce the risk of hydraulic pressure caused by thermal expansion.

Install the strainer with the cover in downward position.

Danfoss recommends replacement/cleaning of the strainer when the differential pressure loss >0.5 bar (7.3 psi) in the liquid line and >0.05 bar (0.7 psi) in the suction line. The max. permissible differential pressure is 1 bar (15 psi).

For further information refer to installation instruction for FIA.



Pressure Equipment Directive (PED)

SVL valves are approved according to the European standard specified in the Pressure Equipment Directive and are CE marked.

For further details / restrictions - see Installation guide.



| SVL | | | |
|-----------------------|------------------------|----------------------------|--------------------------|
| Nominal bore | DN≤ 25 mm (1 in.) | DN32-80 mm (1 1/4 - 3 in.) | DN100 - 200 mm (4-8 in.) |
| Classified for | Fluid group I | | |
| Category | Article 3, paragraph 3 | II | III |

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Selection of strainer size

The mesh aperture size of the strainer must satisfy the requirements stated by the suppliers of the equipment to be protected.

The following recommendations of aperture size apply in general to refrigeration installations:

All lines

First start up: **50 μ**

(Use strainer element with removable insert for FIA DN15-40 or separate filter bag for FIA DN 50-200. 50 μ insert should normally be removed after the first 24 hours of operation)

Liquid Lines

Ahead of pumps: **500 μ** [38 mesh]

After pumps: **150 μ** [100 mesh] / **250 μ** [72 mesh]

In front of AKVA valves **100 μ** [150 mesh]

Protection of automatic regulation equipment

Generally **150 μ** [100 mesh] / **250 μ** [72 mesh]

Sensitive equipment, e.g. suction regulators with low temperature **250 μ** [72 mesh]

Suction Lines

Ahead of screw compressor **250 μ** [72 mesh]

Ahead of piston compressor **150 μ** [100 mesh]

Definition

Mesh is the number of threads per inch. μ (microns) is the distance between two threads ($1\mu = 1/1000$ mm).

Flow coefficient (DIN/ANSI)

| Connection size (DN) FIA | μ | mesh | wire mm | wire in. | free space % | screen area | | | |
|--|-------|------|------------|-------------|--------------------|----------------|---------------|------------------|---------------|
| | | | | | | Plain elements | | Pleated elements | |
| | | | | | | cm^2 | in^2 | cm^2 | in^2 |
| 15 - 20 ($1\frac{1}{2}$ " - $3\frac{3}{4}$ ") | 100 | | 0.068 | 0.003 | 35 | 25 | 3.9 | 45 | 7.0 |
| | 150 | 100 | 0.10 | 0.004 | 36 | 25 | 3.9 | 45 | 7.0 |
| | 250 | 72 | 0.10 | 0.004 | 51 | 25 | 3.9 | 45 | 7.0 |
| | 500 | 38 | 0.16 | 0.006 | 57.6 | 25 | 3.9 | 45 | 7.0 |
| 25 - 40 (1" - $1\frac{1}{2}$ ") | 100 | | 0.068 | 0.003 | 35 | 71 | 11 | 160 | 25.0 |
| | 150 | 100 | 0.10 | 0.004 | 36 | 71 | 11 | 160 | 25.0 |
| | 250 | 72 | 0.10 | 0.004 | 51 | 71 | 11 | 160 | 25.0 |
| | 500 | 38 | 0.16 | 0.006 | 57.6 | 71 | 11 | 160 | 25.0 |
| 50 (2") | 100 | | 0.068 | 0.003 | 35 | 71 | 11 | 200 | 31.2 |
| | 150 | 100 | 0.10 | 0.004 | 36 | 87 | 13.5 | 200 | 31.2 |
| | 250 | 72 | 0.10 | 0.004 | 51 | 87 | 13.5 | 200 | 31.2 |
| | 500 | 38 | 0.16 | 0.006 | 57.6 | 87 | 13.5 | 200 | 31.2 |
| 65 (2 $\frac{1}{2}$ ") | 150 | 100 | 0.10 | 0.004 | 36 | 127 | 19.7 | 305 | 47.6 |
| | 250 | 72 | 0.10 | 0.004 | 51 | 127 | 19.7 | 305 | 47.6 |
| | 500 | 38 | 0.16 | 0.006 | 57.6 | 127 | 19.7 | 305 | 47.6 |
| | 150 | 100 | 0.10 | 0.004 | 36 | 205 | 31.8 | 450 | 70.2 |
| 80 (3") | 250 | 72 | 0.10 | 0.004 | 51 | 205 | 31.8 | 450 | 70.2 |
| | 500 | 38 | 0.16 | 0.006 | 57.6 | 205 | 31.8 | 450 | 70.2 |
| | 150 | 100 | 0.10 | 0.004 | 36 | 370 | 57.4 | 790 | 123.2 |
| 100 (4") | 250 | 72 | 0.10 | 0.004 | 51 | 370 | 57.4 | 790 | 123.2 |
| | 500 | 38 | 0.16 | 0.006 | 57.6 | 370 | 57.4 | 790 | 123.2 |
| | 150 | 100 | 0.10 | 0.004 | 36 | 510 | 79.1 | 1105 | 172.4 |
| 125 (5") | 250 | 72 | 0.10 | 0.004 | 51 | 510 | 79.1 | 1105 | 172.4 |
| | 500 | 38 | 0.16 | 0.006 | 57.6 | 510 | 79.1 | 1105 | 172.4 |
| | 150 | 100 | 0.10 | 0.004 | 36 | 726 | 112.5 | 1600 | 249.6 |
| 150 (6") | 250 | 72 | 0.10 | 0.004 | 51 | 726 | 112.5 | 1600 | 249.6 |
| | 500 | 38 | 0.16 | 0.006 | 57.6 | 726 | 112.5 | 1600 | 249.6 |
| | 150 | 100 | 0.10 | 0.004 | 36 | 1315 | 203.8 | 2900 | 453.1 |
| 200 (8") | 250 | 72 | 0.10 | 0.004 | 51 | 1315 | 203.8 | 2900 | 453.1 |
| | 500 | 38 | 0.16 | 0.006 | 57.6 | 1315 | 203.8 | 2900 | 453.1 |

Selection of strainer size
(Continued)
K_v values

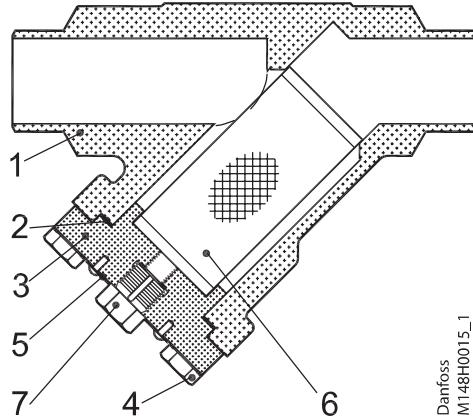
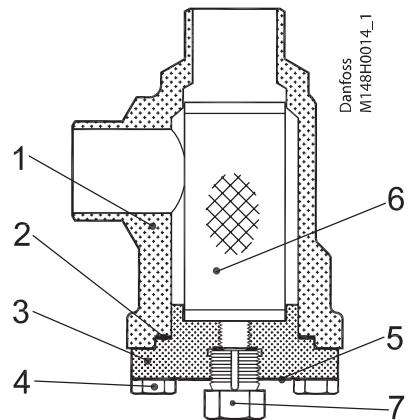
| DN | FIA angle - plain filter net | | | | FIA angle - pleated filter net | | |
|-----|------------------------------|-------|-------|-------|--------------------------------|-------|-------|
| | μ100 | μ150 | μ250 | μ500 | μ150 | μ250 | μ500 |
| 15 | 3.3 | 3.4 | 3.5 | 3.7 | 4.2 | | |
| 20 | 6.9 | 7.1 | 7.3 | 7.7 | 8.8 | | |
| 25 | 13.8 | 14.0 | 14.5 | 15.2 | 17.2 | 17.9 | |
| 32 | 23.0 | 23.8 | 24.7 | 25.5 | 29.2 | 30.5 | |
| 40 | 25.1 | 25.5 | 26.4 | 28.1 | 31.4 | 32.6 | |
| 50 | 45.1 | 45.9 | 47.6 | 50.2 | 56.7 | 58.8 | 62.0 |
| 65 | | 56.1 | 57.8 | 60.4 | 69.3 | 71.4 | 74.6 |
| 80 | | 104.6 | 108.0 | 113.1 | 129.2 | 133.4 | 139.7 |
| 100 | | 162.4 | 167.5 | 176.0 | 200.6 | 206.9 | 217.4 |
| 125 | | 275.4 | 283.9 | 298.4 | 340.2 | 350.7 | 368.6 |
| 150 | | 362.1 | 373.2 | 391.9 | 447.3 | 462.9 | |
| 200 | | 572.9 | 590.8 | 620.5 | 704.9 | 730.0 | |

| DN | FIA straight - plain filter net | | | | FIA straight - pleated filter net | | |
|-----|---------------------------------|-------|-------|-------|-----------------------------------|-------|-------|
| | μ100 | μ150 | μ250 | μ500 | μ150 | μ250 | μ500 |
| 15 | 2.5 | 2.6 | 2.7 | 2.8 | 3.3 | | |
| 20 | 5.3 | 5.4 | 5.6 | 5.9 | 6.9 | | |
| 25 | 10.5 | 10.7 | 11.1 | 11.6 | 13.8 | 14.5 | |
| 32 | 17.6 | 18.2 | 18.9 | 19.5 | 23.9 | 24.7 | |
| 40 | 19.2 | 19.5 | 20.2 | 21.5 | 25.5 | 26.4 | |
| 50 | 34.5 | 35.1 | 36.4 | 38.4 | 45.9 | 47.6 | 50.2 |
| 65 | | 42.9 | 44.2 | 46.2 | 56.1 | 57.8 | 60.4 |
| 80 | | 80.0 | 82.6 | 86.5 | 104.6 | 108.0 | 113.1 |
| 100 | | 124.2 | 128.1 | 134.6 | 162.4 | 167.5 | 176.0 |
| 125 | | 210.6 | 217.1 | 228.2 | 275.4 | 283.9 | 298.4 |
| 150 | | 276.9 | 285.4 | 299.7 | 362.1 | 374.0 | |
| 200 | | 438.1 | 451.8 | 474.5 | 570.8 | 587.3 | |

Strainer, type FIA 15-200, 65 bar (943 psi)

Material specification

FIA 15 - 40 (1/2 in. - 1 1/2 in.)



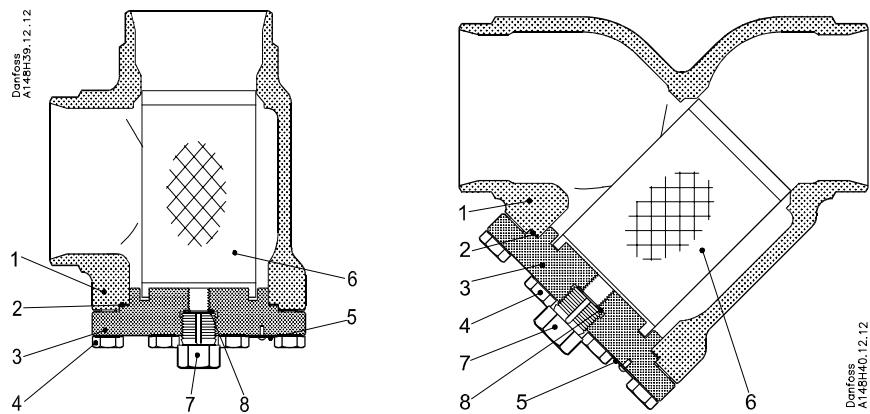
FIA 15-40 (1/2 in. - 1 1/2 in.)

| No. | Part | Material | DIN | ISO | ASTM |
|-----|-------------------------|------------------------|---|-----|---------------------------------|
| 1 | Housing | Steel | G20Mn5QT, 10213-3 ----- P285QH+QT, 10222-4 | | LCC, A352 ----- LF2, A350 |
| 2 | Gasket | Fibre, Non-asbestos | | | |
| 3 | Cover | Steel | P285QH EN10222-4 ----- P275NL1 or 2 EN10028-3 | | LF2, A350 ----- A, A662 |
| 4 | Bolts | High temperature steel | 42CrMo5 10269 | | A193 |
| 5 | Marking label | Aluminium | | | |
| 6 | Strainer element | Stainless steel | | | |
| 7 | Pressure relief (screw) | Stainless steel | | | |

Strainer, type FIA 15-200, 65 bar (943 psi)

Material specification

FIA 50 - 200 (2 in. - 8 in.)



FIA 50-200 (2 in. - 8 in.)

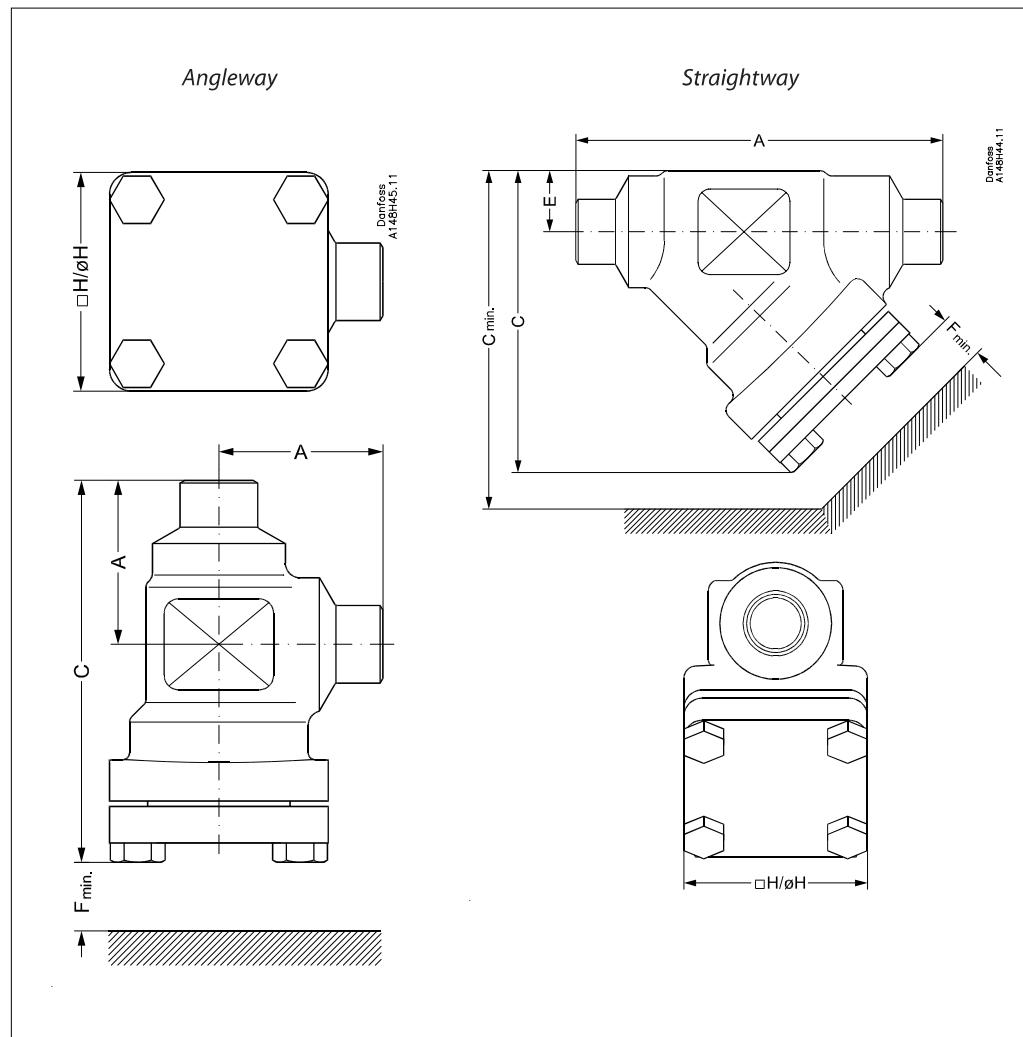
| No. | Part | Material | DIN | ISO | ASTM |
|-----|-------------------------|------------------------|---|-----|---------------------------------|
| 1 | Housing | Steel | G20Mn5QT, 10213-3 ----- P285QH+QT, 10222-4 | | LCC, A352 ----- LF2, A350 |
| 2 | Gasket | Fibre, Non-asbestos | | | |
| 3 | Cover | Steel | P285QH EN10222-4 ----- P275NL1 or 2 EN10028-3 | | LF2, A350 ----- A, A662 |
| 4 | Bolts | High temperature steel | 42CrMo5 10269 | | A193 |
| 5 | Marking label | Aluminium | | | |
| 6 | Strainer element | Stainless steel | | | |
| 7 | Pressure relief (screw) | Stainless steel | | | |
| 8* | Packing washer | Aluminium | | | |

* pos 8 used in FIA 50-200

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Dimensions and weights

FIA 15 - 65



Angleway

| Strainer size | A | C | H | F_{min} | Weight |
|---|-----------|------------|-------------|------------|-------------|
| FIA 15-20 ($\frac{1}{2}$ " - $\frac{3}{4}$ ") | mm in. | 45 1.77 | 105 4.13 | 60 2.36 | 68 2.68 |
| FIA 25-40 (1" - $1\frac{1}{2}$ ") | mm in. | 55 2.17 | 132 5.20 | 70 2.76 | 95 3.74 |
| FIA 50 (2") | mm in. | 60 2.36 | 132 5.20 | 77 3.03 | 92 3.62 |
| FIA 65 ($2\frac{1}{2}$ ") | mm in. | 70 2.76 | 152 5.98 | 90 3.54 | 107 4.21 |

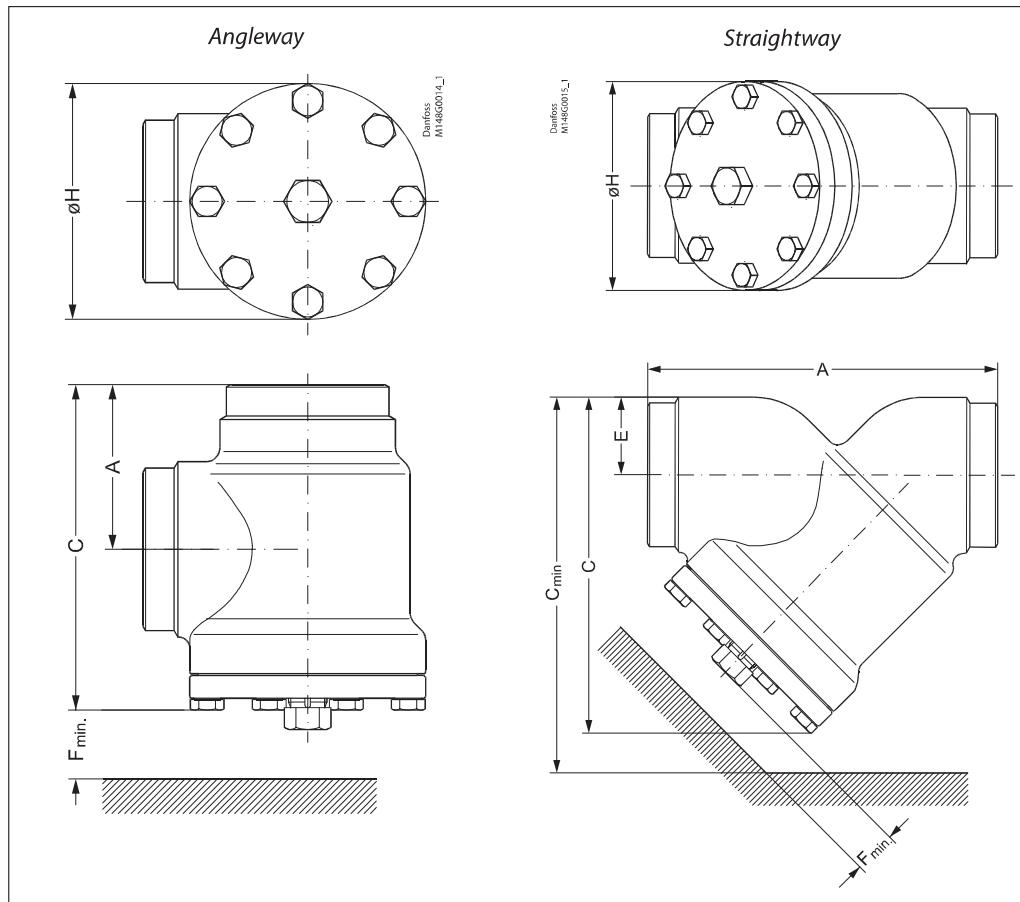
Straightway

| Strainer size | A | C | C_{min} | H | E | F_{min} | Weight |
|---|-----------|-------------|-------------|-------------|------------|------------|-------------|
| FIA 15-20 ($\frac{1}{2}$ " - $\frac{3}{4}$ ") | mm in. | 120 4.72 | 99 3.90 | 133 5.24 | 60 2.36 | 20 0.79 | 68 2.68 |
| FIA 25-40 (1" - $1\frac{1}{2}$ ") | mm in. | 155 6.10 | 129 5.08 | 177 6.97 | 70 2.76 | 26 1.02 | 95 3.74 |
| FIA 50 (2") | mm in. | 148 5.83 | 138 5.43 | 184 7.24 | 77 3.03 | 32 1.26 | 92 3.62 |
| FIA 65 ($2\frac{1}{2}$ ") | mm in. | 176 6.93 | 165 6.50 | 219 8.62 | 90 3.54 | 40 1.57 | 107 4.21 |

Strainer, type FIA 15-200, 65 bar (943 psi)

Dimensions and weights

FIA 80 - 200



Angleway

| Strainer size | | A | C | H | F _{min} | Weight |
|-----------------|-----|------|-------|-------|------------------|----------|
| FIA 80 (3") | mm | 90 | 189 | 129 | 133 | 7.3 kg |
| | in. | 3.54 | 7.44 | 5.08 | 5.24 | 16.1 lbs |
| FIA 100 (4") | mm | 106 | 223 | 156 | 163 | 11.9 kg |
| | in. | 4.17 | 8.78 | 6.14 | 6.42 | 26.2 lbs |
| FIA 125 (5") | mm | 128 | 268 | 192 | 190 | 21.2 kg |
| | in. | 5.04 | 10.6 | 7.56 | 7.48 | 46.7 lbs |
| FIA 150 (6") | mm | 145 | 303 | 219 | 223 | 30.5 kg |
| | in. | 5.71 | 11.93 | 8.62 | 8.78 | 67.2 lbs |
| FIA 200 (8") | mm | 180 | 372 | 276 | 280 | 68 kg |
| | in. | 7.09 | 14.65 | 10.87 | 11.02 | 150 lbs |

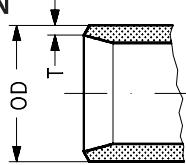
Straightway

| Strainer size | | A | C | C _{min} | H | E | F _{min} | Weight |
|-----------------|-----|-------|-------|------------------|-------|------|------------------|----------|
| FIA 80 (3") | mm | 216 | 204 | 271 | 129 | 48 | 133 | 8.6 kg |
| | in. | 8.50 | 8.03 | 10.67 | 5.08 | 1.89 | 5.24 | 19 lbs |
| FIA 100 (4") | mm | 264 | 256 | 337 | 156 | 60 | 163 | 14.9 kg |
| | in. | 10.39 | 10.08 | 13.27 | 6.14 | 2.36 | 6.42 | 32.8 lbs |
| FIA 125 (5") | mm | 322 | 313 | 408 | 192 | 74 | 190 | 26.9 kg |
| | in. | 12.68 | 12.32 | 16.06 | 7.56 | 2.91 | 7.48 | 59.3 lbs |
| FIA 150 (6") | mm | 370 | 370 | 482 | 219 | 91 | 223 | 51 kg |
| | in. | 14.57 | 14.57 | 18.98 | 8.62 | 3.58 | 8.78 | 112 lbs |
| FIA 200 (8") | mm | 464 | 465 | 605 | 276 | 117 | 280 | 95 kg |
| | in. | 18.27 | 18.31 | 23.82 | 10.87 | 4.61 | 11.02 | 209 lbs |

Strainer, type FIA 15-200, 65 bar (943 psi)

Connections

DIN

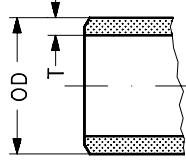


| Size mm | Size in. | OD mm | T mm | OD in. | T in. | | | k_v -angle m^3/h | k_v -straight m^3/h | C_v -angle USgal/min | C_v -straight USgal/min |
|---------|----------|-------|------|--------|-------|--|--|------------------------------------|---------------------------------------|------------------------|---------------------------|
|---------|----------|-------|------|--------|-------|--|--|------------------------------------|---------------------------------------|------------------------|---------------------------|

Butt-weld DIN (EN 10220)

| | | | | | | | | | | | |
|-----|-------|-------|-----|-------|-------|--|--|------|------|------|------|
| 15 | 1/2 | 21.3 | 2.3 | 0.839 | 0.091 | | | 7.0 | 4.9 | 8.1 | 5.7 |
| 20 | 3/4 | 26.9 | 2.3 | 1.059 | 0.091 | | | 14.6 | 10.2 | 16.9 | 11.8 |
| 25 | 1 | 33.7 | 2.6 | 1.327 | 0.103 | | | 24.8 | 17.4 | 28.8 | 20.2 |
| 32 | 1 1/4 | 42.4 | 2.6 | 1.669 | 0.102 | | | 42.6 | 29.8 | 49.4 | 34.6 |
| 40 | 1 1/2 | 48.3 | 2.6 | 1.902 | 0.103 | | | 45.2 | 31.6 | 52.4 | 36.7 |
| 50 | 2 | 60.3 | 2.9 | 2.37 | 0.11 | | | 80 | 65 | 93 | 76 |
| 65 | 2 1/2 | 76.1 | 2.9 | 3 | 0.11 | | | 120 | 97 | 140 | 113 |
| 80 | 3 | 88.9 | 3.2 | 3.50 | 0.13 | | | 182 | 152 | 211 | 176 |
| 100 | 4 | 114.3 | 3.6 | 4.50 | 0.14 | | | 313 | 278 | 363 | 323 |
| 125 | 5 | 139.7 | 4.0 | 5.50 | 0.16 | | | 514 | 470 | 596 | 545 |
| 150 | 6 | 168.3 | 4.5 | 6.63 | 0.18 | | | 785 | 597 | 911 | 693 |
| 200 | 8 | 219.1 | 6.3 | 8.63 | 0.25 | | | 1168 | 1024 | 1355 | 1188 |

ANSI



Butt-weld ANSI (B 36.10 Schedule 80)

| | | | | | | | | | | | |
|----|-------|------|-----|-------|-------|--|--|------|------|------|------|
| 15 | 1/2 | 21.3 | 3.7 | 0.839 | 0.146 | | | 7.0 | 4.9 | 8.1 | 5.7 |
| 20 | 3/4 | 26.9 | 4.0 | 1.059 | 0.158 | | | 14.6 | 10.2 | 16.9 | 11.8 |
| 25 | 1 | 33.7 | 4.6 | 1.327 | 0.181 | | | 24.8 | 17.4 | 28.8 | 20.2 |
| 32 | 1 1/4 | 42.4 | 4.9 | 1.669 | 0.193 | | | 42.6 | 29.8 | 49.4 | 34.6 |
| 40 | 1 1/2 | 48.3 | 5.1 | 1.902 | 0.201 | | | 45.2 | 31.6 | 52.4 | 36.7 |

Butt-weld ANSI (B 36.10 Schedule 40)

| | | | | | | | | | | | |
|-----|-------|-------|-----|------|------|--|--|------|------|------|------|
| 50 | 2 | 60.3 | 3.9 | 2.37 | 0.15 | | | 80 | 65 | 93 | 76 |
| 65 | 2 1/2 | 73.0 | 5.2 | 2.87 | 0.20 | | | 120 | 97 | 140 | 113 |
| 80 | 3 | 88.9 | 5.5 | 3.50 | 0.22 | | | 182 | 152 | 211 | 176 |
| 100 | 4 | 114.3 | 6.0 | 4.50 | 0.24 | | | 313 | 278 | 363 | 323 |
| 125 | 5 | 141.3 | 6.6 | 5.56 | 0.26 | | | 514 | 470 | 596 | 545 |
| 150 | 6 | 168.3 | 7.1 | 6.63 | 0.28 | | | 785 | 597 | 911 | 693 |
| 200 | 8 | 219.1 | 8.2 | 8.63 | 0.32 | | | 1168 | 1024 | 1355 | 1188 |

Strainer, type FIA 15-200, 65 bar (943 psi)
Ordering

| Size [DN] | Parts Program | | | | |
|--------------|---------------|----------|----------|--------------|----------|
| | Housing | | | Top complete | |
| | ANG | | STR | | FIA |
| | DIN | ANSI | DIN | ANSI | |
| 6 | | | | | |
| 10 | | | | | |
| 15 | 148B6622 | 148B6612 | 148B6642 | 148B6632 | 148B5783 |
| 20 | 148B6623 | 148B6613 | 148B6643 | 148B6633 | 148B5783 |
| 25 | 148B6624 | 148B6614 | 148B6644 | 148B6634 | 148B5784 |
| 32 | 148B6625 | 148B6615 | 148B6645 | 148B6635 | 148B5784 |
| 40 | 148B6626 | 148B6616 | 148B6646 | 148B6636 | 148B5784 |
| 50 | 148B6627 | 148B6617 | 148B6647 | 148B6637 | 148B5785 |
| 65 | 148B6628 | 148B6618 | 148B6648 | 148B6638 | 148B5786 |
| 80 | 148B6629 | 148B6619 | 148B6649 | 148B6639 | 148B5787 |
| 100 | 148B6630 | 148B6620 | 148B6650 | 148B6640 | 148B5788 |
| 125 | 148B6631 | 148B6621 | 148B6651 | 148B6641 | 148B5789 |
| 150 | | | | | |
| 200 | | | | | |

| Size [DN] | Complete valve | | | | |
|--------------|----------------|------|----------|----------|----------|
| | FIA | | | | |
| | ANG | | STR | | DIN |
| | DIN | ANSI | DIN | ANSI | |
| 6 | | | | | |
| 10 | | | | | |
| 15 | | | | | |
| 20 | | | | | |
| 25 | | | | | |
| 32 | | | | | |
| 40 | | | | | |
| 50 | | | | | |
| 65 | | | | | |
| 80 | | | | | |
| 100 | | | | | |
| 125 | | | | | |
| 150 | 148B6669 | | 148B6671 | 148B6670 | 148B6672 |
| 200 | 148B6677 | | 148B6679 | 148B6678 | 148B6680 |

Strainer element

| FIA Size | Strainer insert 100 μ 150 mesh | Strainer insert 150 μ 100 mesh | Strainer insert 250 μ 72 mesh | Strainer insert 500 μ 38 mesh | Pleated Strainer insert 150 μ 100 mesh | Pleated Strainer insert 250 μ 72 mesh | Pleated Strainer insert 500 μ 38 mesh |
|----------|---|---|--|--|---|--|--|
| | | | | | | | |
| 15 | 1/2 | 148H3122 | 148H3124 | 148H3126 | 148H3128 | 148H3303 | 148H3363 |
| 20 | 5/8 | | | | | | - |
| 25 | 1 | | | | | | |
| 32 | 1 1/4 | 148H3123 | 148H3125 | 148H3127 | 148H3129 | 148H3304 | 148H3269 |
| 40 | 1 1/2 | | | | | | - |
| 50 | 2 | 148H3157 | 148H3130 | 148H3138 | 148H3144 | 148H3179 | 148H3184 |
| 65 | 2 1/2 | - | 148H3131 | 148H3139 | 148H3145 | 148H3180 | 148H3185 |
| 80 | 3 | - | 148H3119 | 148H3120 | 148H3121 | 148H3181 | 148H3186 |
| 100 | 4 | - | 148H3132 | 148H3140 | 148H3146 | 148H3182 | 148H3187 |
| 125 | 5 | - | 148H3133 | 148H3141 | 148H3147 | 148H3183 | 148H3188 |
| 150 | 6 | - | 148H3134 | 148H3142 | 148H3148 | 148H3226 | 148H3293* |
| 200 | 8 | - | 148H3135 | 148H3143 | 148H3149 | 148H3297 | 148H3294* |

* 60 mesh

Accessories

| Part | Accessory for | Code number |
|---|---------------|-----------------|
| Magnet insert | FIA 65-100 | 148H3447 |
| | FIA 125-200 | 148H3448 |
| Part | Accessory for | Code number |
| Strainer element μ 150 with removable element μ 50 for the first start up | FIA 15-20 | 148H3301 |
| | FIA 25-40 | 148H3302 |
| Part | Accessory for | Code number |
| Filter bag | FIA 50 | 148H3150 |
| | FIA 65 | 148H3151 |
| | FIA 80 | 148H3152 |
| | FIA 100 | 148H3153 |
| | FIA 125 | 148H3154 |
| | FIA 150 | 148H3155 |
| | FIA 200 | 148H3156 |
| Part | Accessory for | Code number |
| Purge valve complete | FIA 50 - 300 | 148B3745 |
| Blind nut with gasket | | 148H3450 |