

DESIGN DATA

| Size mm | Cast Iron BS 1452 GR220/260 | | Cast Steel ASTM A216 WCB | | Stainless Steel BS 1504 316 C16 | |
|----------------------|--------------------------------|-----------------|-----------------------------|-----------------|------------------------------------|-----------------|
| | Flange Rating | Design Pressure | Flange Rating | Design Pressure | Flange Rating | Design Pressure |
| 25 & 40 | ASME 250 FF* | 20.6 BARG | ASME 300 RF | 34.4 BARG | ASME 300 RF | 34.47 BARG |
| 50, 75, 100 & 200 | ASME 250 FF | 20.6 BARG | ASME 300 RF | 51 BARG | ASME 300 RF | 49.6 BARG |
| 250 & 300 | ASME 125 FF | 12 BARG | ASME 150 RF** | 19.6 BARG | ASME 150 RF | 19.0 BARG |

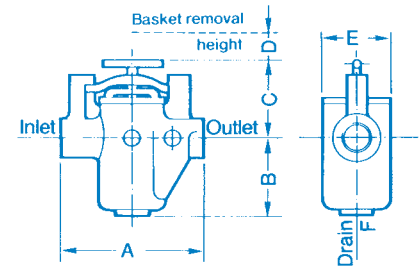
ALL PRESSURES ARE BARG @ 38°C. NOTE: Design pressure will reduce by flange drilling to a lesser standard

** Also available with ASME 300 RF flanges @ 51/49.6 BARG design pressure. * Also available with screwed ends.

DIMENSIONS

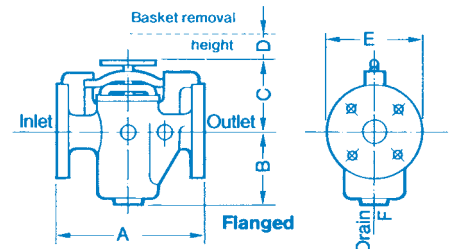
Simplex Type S Filter 1" & 1½" (25 & 40mm) Screwed (cast iron only)

| Size | | Model No. | A | B | C | D | E | F | Weight | |
|------|----|--------------|-----|-----|-----|----|----|------|--------|----|
| in | mm | | mm | mm | mm | mm | mm | BSPT | lb | kg |
| 1 | 25 | SN-1 | 162 | 98 | 102 | 14 | 83 | 1/2" | 11 | 5 |
| 1½ | 40 | SN-1.5 | 171 | 149 | 102 | 73 | 83 | 1/2" | 13 | 6 |



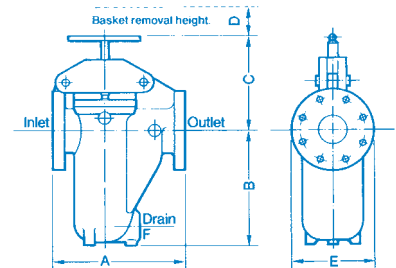
Simplex Type S Filter 1" & 1½" (25 & 40mm) Flanged

| Size | | Model No. | A | B | C | D | E | F | Weight | |
|------|----|--------------|-----|-----|-----|----|-----|------|--------|------|
| in | mm | | mm | mm | mm | mm | mm | BSPT | lb | kg |
| 1 | 25 | SN-1 | 162 | 98 | 102 | 14 | 83 | 1/2" | 18 | 8 |
| 1½ | 40 | SN-1.5 | 216 | 149 | 102 | 73 | 156 | 1/2" | 28 | 12.5 |



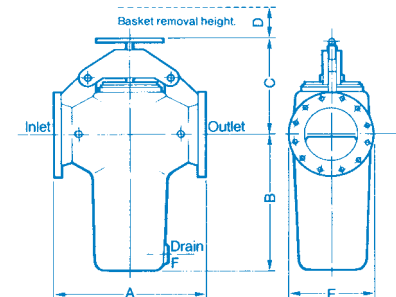
Simplex Type S Filter 2"–8" (50–200mm)

| Size | | Model No. | A | B | C | D | E | F | Weight | |
|------|-----|-----------|-----|-----|-----|-----|-----|------|--------|-----|
| in | mm | | mm | mm | mm | mm | mm | BSPT | lb | kg |
| 2 | 50 | SN-2 | 292 | 192 | 198 | 122 | 165 | 1¼" | 51 | 23 |
| 3 | 75 | SN-3 | 362 | 270 | 251 | 138 | 210 | 1¼" | 101 | 45 |
| 4 | 100 | SN-4 | 425 | 371 | 297 | 120 | 254 | 1½" | 181 | 82 |
| 6 | 150 | SN-6 | 584 | 514 | 349 | 260 | 318 | 1½" | 435 | 197 |
| 8 | 200 | SN-8 | 711 | 699 | 422 | 464 | 381 | 1½" | 800 | 364 |



Simplex Type S Filter 10"–12" (250–300mm)

| Size | | Model No. | A | B | C | D | E | F | Weight | |
|------|-----|--------------|-----|-----|--------------|--------------|-----|------|--------|-----|
| in | mm | | mm | mm | mm | mm | mm | BSPT | lb | kg |
| 10 | 250 | SN-10 | 864 | 790 | 150#– 556 | 150#– 744 | 457 | 2" | 990 | 450 |
| 12 | 300 | SN-12 | 864 | 790 | 300#– 635 | 300#– 665 | 521 | 2" | 1070 | 486 |



For larger pipe sizes or higher pressures refer to leaflets Simplex T-Type.

Self Draining Filters — Also available are a range of cast self draining filters for use in multi product pipelines. The outlet is flush with the bottom of the body so that the filter body does not trap a pocket of fluid when the pipework is drained.

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