

Circulating Screen Filters YF400 Series

Applications:

- Primary Filter for Wells with light to moderate sand loads
- In-line control filter

Unique Features for Exceptional Performance

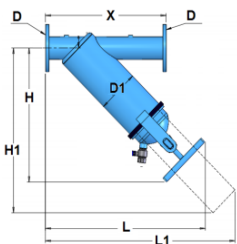
- ❑ **Stainless Steel Screen** supported by PVC provides a smooth interior for directing the silt and sand to the collection chamber
- ❑ **The Large collection chamber** area allows for easy periodic flushing
- ❑ **Collection chamber** can be flushed manually or with an electric valve and timer
- ❑ 4 or 6 openings of the **“flow directional plate”** allows the filter to match flow rates for maximum efficiency



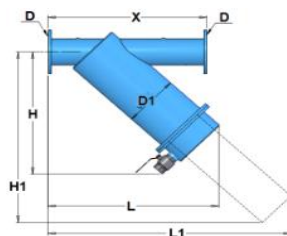
Operation:

The water enters the filter through a plate with four or six (4 or 6) angular holes, directing the flow in a circular pattern along the length of the filter element. The water flows through the screen element openings while solid particles are collected at the lower section of the filter. These particles can be easily removed by opening the drain valve for a short period of time. The filters are supplied with 4-6 plugs enabling the user to adjust the number of holes to suit the filtering flow rate for maximum efficiency.

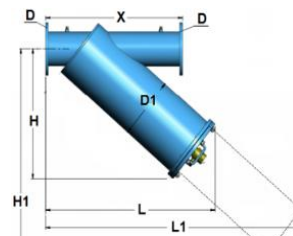
| Model | In/Out | | ØD1 | | X | | H | | H1 | | L | | L1 | | Shipping Weight | | Packaging Vol. | | Maximum Flow Rate | |
|-------|--------|------|------|------|------|------|-------|------|-------|------|-------|------|------|------|-----------------|-------------|----------------|-------------------|--------------------|---------------------|
| | ØD | (in) | (in) | (mm) | (in) | (mm) | (in) | (mm) | (in) | (mm) | (in) | (mm) | (in) | (mm) | (kg) | (lb) | LxWxH | (m ³) | (ft ³) | (m ³ /h) |
| YF415 | 1.5 | 6 | 360 | 14.2 | 419 | 16.5 | 426 | 16.8 | 520 | 20.5 | 528 | 20.8 | 14.5 | 32 | 0.6x0.4x0.3 | 2.1x1.4x0.9 | 3-10 | 13-44 | | |
| YF420 | 2 | 6 | 415 | 16.3 | 459 | 18.1 | 509 | 20.0 | 574 | 22.6 | 622 | 24.5 | 15.5 | 34 | 0.6x0.4x0.3 | 2.1x1.4x0.9 | 11-28 | 48-123 | | |
| YF430 | 3 | 6 | 490 | 21.3 | 519 | 20.4 | 638 | 25.1 | 641 | 25.3 | 765 | 30.1 | 29.9 | 66 | 0.7x0.6x0.3 | 2.2x1.8x0.9 | 12-39 | 53-172 | | |
| YF440 | 4 | 8 | 550 | 21.7 | 582 | 22.9 | 789 | 31.1 | 726 | 28.6 | 933 | 36.7 | 43.6 | 96 | 0.8x0.6x0.3 | 2.8x2.1x1.1 | 18-70 | 80-308 | | |
| YF460 | 6 | 12 | 910 | 35.8 | 782 | 30.8 | 1,092 | 43.0 | 980 | 38.6 | 1,397 | 55.0 | 117 | 258 | 1.2x0.8x0.4 | 4.1x2.5x1.5 | 31-210 | 136-925 | | |
| YF480 | 8 | 16 | 950 | 37.4 | 832 | 39.4 | 1,407 | 55.4 | 1,176 | 50.4 | 1,893 | 74.5 | 190 | 419 | 1.3x0.9x0.7 | 4.1x3.1x2.1 | 163-299 | 720-1,320 | | |
| YF410 | 10 | 16 | 950 | 37.4 | 1110 | 43.7 | 1,920 | 75.6 | 1,365 | 53.7 | 2,210 | 87.0 | 210 | 463 | 1.3x0.9x0.7 | 4.1x3.1x2.1 | 270-500 | 1,189-2,202 | | |



Model: YF415 - YF430



Model: YF440-YF460



Model: YF480-YF410



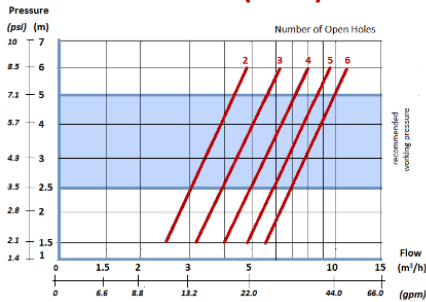
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Standard Characteristics:

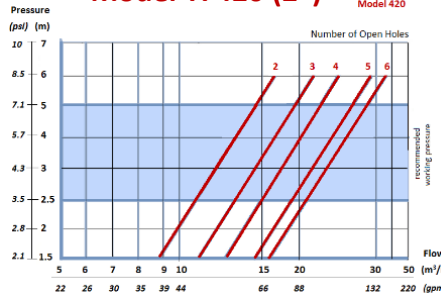
- **Filter element:** - Stainless Steel screen AISI 316, supported by a PVC cylinder
- **Available filtration grade:** from 80 – 150 mesh
- **Filter housing construction material:** Carbon Steel ST37.2
- **Connections:** Victaulic, Threaded and Flange
- **Maximum pressure:** 10 bar (145 psi)
- **Maximum recommended working pressure:** up to 8 bar (116 psi)

Pressure Loss Charts

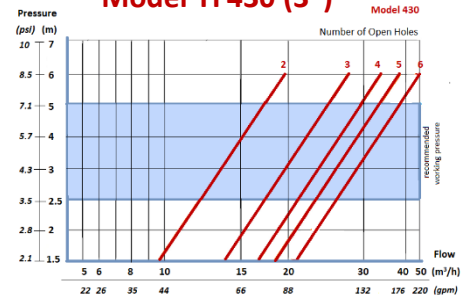
Model YF415 (1.5") Model 415



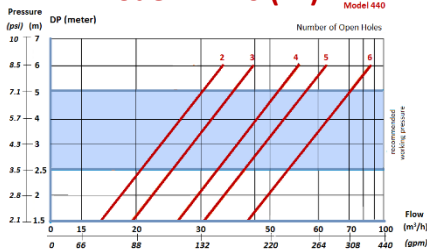
Model YF420 (2") Model 420



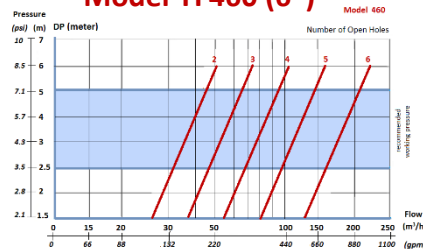
Model YF430 (3") Model 430



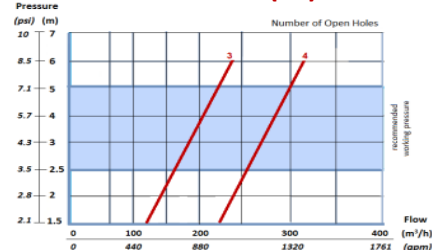
Model YF440 (4") Model 440



Model YF460 (6") Model 460



Model YF480 (8") Model 480



Model YF410 (10") Model 410

