

WILKINS® Model FSC

Ductile Iron "Y" Type Strainer

Application

Wilkins Model FSC is designed for installation on water lines to protect downstream equipment from malfunction or premature failure due to build-up of sediment or debris.

Standards Compliance

- MIL-S 16293F Type 2
- Meets the requirements of NSF/ANSI/CAN 372

Materials

Main valve body Ductile Iron ASTM A536
 Access cover Ductile Iron ASTM A536
 Coatings Fusion Epoxy Finish
 (Meets requirements of NSF/ANSI/CAN 61)
 Screens Perforated Stainless Steel, 300 Series

Features

Sizes: 2 1/2", 3", 4", 6", 8", 10", 12"

Pressure/temperature: 200 psi @ 150°F WOG
 125 psi @ 450°F Steam

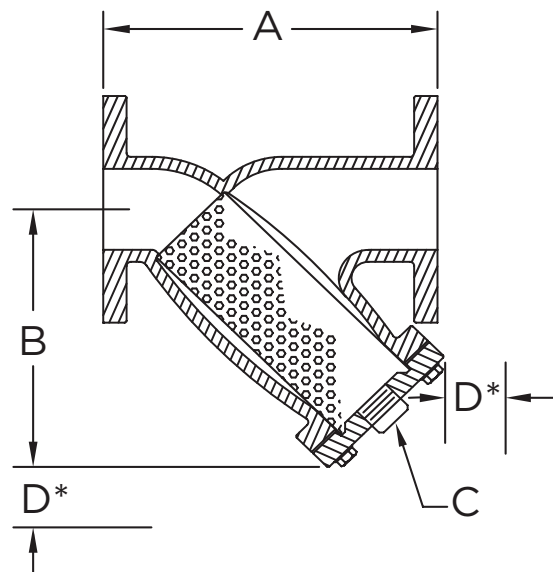
End connections: ASME B16.42 Class 150

Screen

| SIZE inch | OPENINGS (dia.) | MATERIAL THICKNESS | HOLES PER sq(in) | OPEN AREA |
|--------------|--------------------|-----------------------|---------------------|--------------|
| 2 1/2 | 0.045 | 0.020 (26 Ga.) | 225 | 36% |
| 3 | 0.045 | 0.020 (26 Ga.) | 225 | 36% |
| 4 | 1/16 | 0.020 (26 Ga.) | 98 | 30% |
| 6 | 1/16 | 0.020 (26 Ga.) | 98 | 30% |
| 8 | 1/8 | 0.020 (26 Ga.) | 29 | 36% |
| 10 | 1/8 | 0.032 (22 Ga.) | 29 | 36% |
| 12 | 1/8 | 0.025 (24 Ga.) | 35 | 43% |



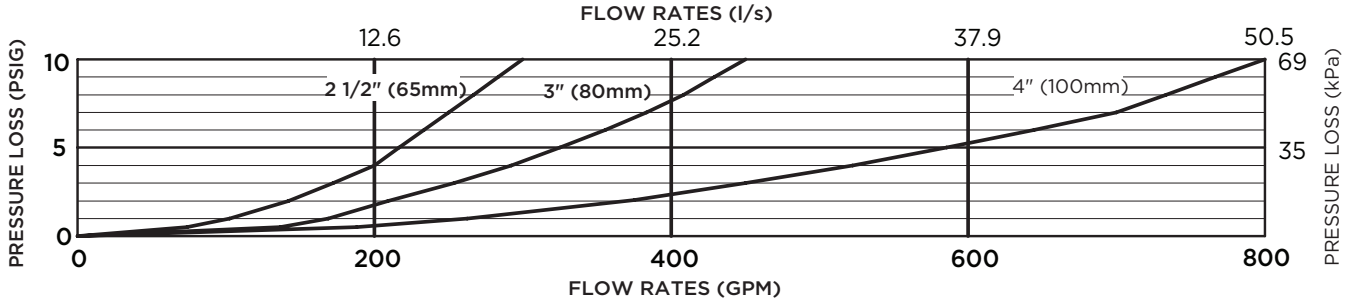
LEAD FREE



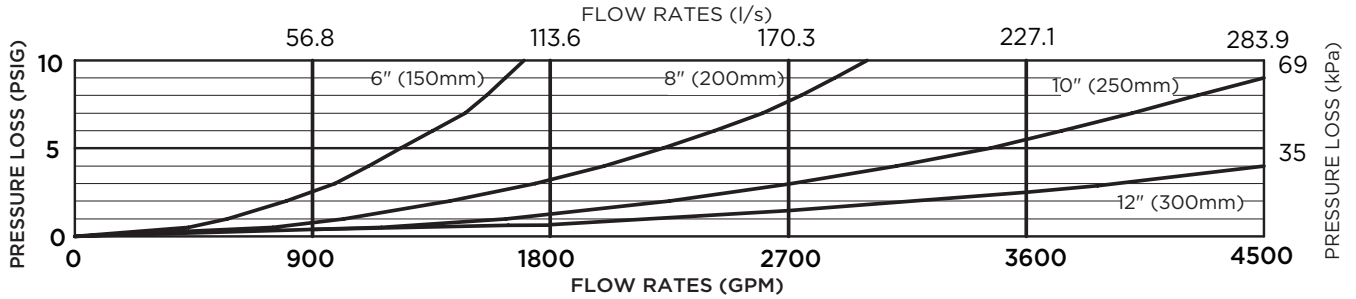
| SIZE | | DIMENSIONS (approximate) | | | | | | | WEIGHT | |
|-------|-----|--------------------------|-----|---------|-----|-----------|----|-----|--------|-------|
| | | A | | B | | C | D* | | | |
| in | mm | in | mm | in | mm | | | in | mm | lbs. |
| 2 1/2 | 65 | 10 | 254 | 8 1/4 | 210 | 1 1/4 NPT | 6 | 152 | 35 | 16 |
| 3 | 80 | 10 1/2 | 267 | 9 1/4 | 235 | 1 1/4 NPT | 6 | 152 | 45 | 20.5 |
| 4 | 100 | 15 | 381 | 12 1/2 | 318 | 2 NPT | 9 | 229 | 61 | 27.5 |
| 6 | 150 | 18 | 457 | 14 | 356 | 2 NPT | 10 | 254 | 165 | 75 |
| 8 | 200 | 24 1/4 | 616 | 17 3/4 | 451 | 2 NPT | 11 | 279 | 239 | 108.5 |
| 10 | 250 | 29 1/2 | 749 | 21 1/4 | 540 | 2 NPT | 14 | 356 | 394 | 178.5 |
| 12 | 300 | 29 7/8 | 759 | 21 5/16 | 541 | 2 NPT | 17 | 432 | 489 | 222 |

*Clearance for screen removal

MODEL FSC 2 1/2", 3" & 4" (STANDARD & METRIC)



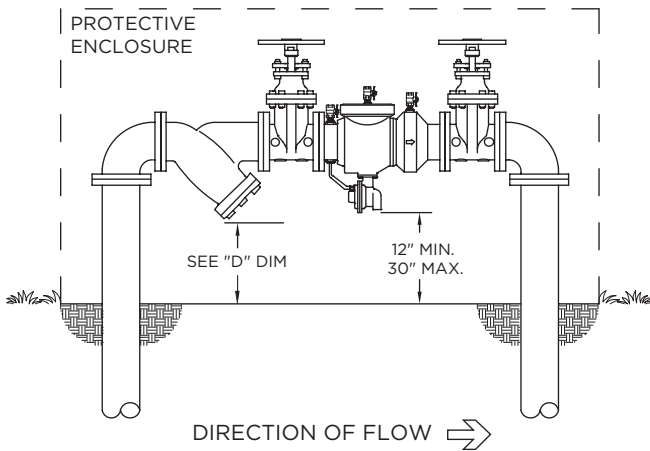
MODEL FSC 6", 8" 10" & 12" (STANDARD & METRIC)



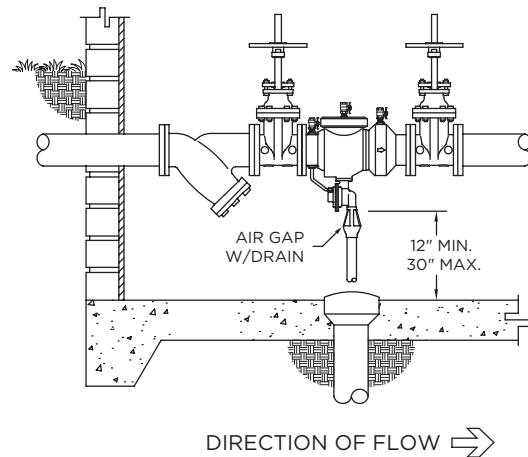
Typical Installation

Local codes shall govern installation requirements. Unless otherwise specified, the assembly shall be mounted with sufficient clearance for maintenance in accordance with the manufacturers' instructions and the latest edition of the Uniform Plumbing Code. The installation shall be made so that no part of the unit can be submerged. Horizontal installation with the strainer cap facing downward is the preferred installation orientation; however the strainer will provide protection in any orientation.

| Capacity thru Schedule 40 Pipe (GPM) | | | | |
|--------------------------------------|----------|------------|-----------|-----------|
| Pipe Size | 5 ft/sec | 7.5 ft/sec | 10 ft/sec | 15 ft/sec |
| 2 1/2" | 75 | 112 | 149 | 224 |
| 3" | 115 | 173 | 230 | 346 |
| 4" | 198 | 298 | 397 | 595 |
| 6" | 450 | 675 | 900 | 1351 |
| 8" | 780 | 1169 | 1559 | 2339 |
| 10" | 1229 | 1843 | 2458 | 3687 |
| 12" | 1744 | 2617 | 3489 | 5233 |



Outdoor Installation



Indoor Installation

Specifications

The Ductile Iron "Y" type strainer shall meet the requirements of NSF/ANSI/CAN 372, and MIL-S-16293F Type 2. The main body and access cover shall be ductile iron ASTM A536 with an NSF/ANSI/CAN 61 certified Fusion Epoxy Finish coating inside and out. The integral strainer screen shall be accessible for cleaning without removing the device from the line. The Ductile Iron "Y" type strainer shall be a ZURN WILKINS Model FSC.