

SURE-FLO®

Suction Line Fittings



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Quality and Service Since 1932

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Foot Valves Information

- Sure-Flo foot valves combine an attachment coupling, a foot valve, and a strainer screen, all in one rugged and long-lasting unit.
- Made entirely of aluminum except for the bolts, rubber gaskets, and valve flapper, these valves are light in weight yet sturdy and efficient. The durable rubber flapper seats on a machined aluminum surface and provides a tight seal which minimizes leakage.
- Ample space is provided for the flapper to fold back out of the liquid stream, thus keeping friction loss to a minimum.
- Stainless steel hardware is available for all foot valves, and stainless steel screens are available for most foot valves.

Body Type

OD Tubing: Compression gasket attachment for OD tubing, such as aluminum irrigation tubing.

Female Thread: For attachment to a NPT thread end, hose, steel pipe, or PVC.

Companion Flange: Matches the bolt pattern of a standard 125-pound cast iron companion flange or a schedule 80 PVC flange.

45° Valves



OD Tubing



Female Thread



Companion Flange

Vertical Valves



OD Tubing



Female Thread



Companion Flange

Series

Basic Series: Our most popular valves, great combination of price and performance.

X-Series: Provides larger screen open areas than the basic series.

J and JD-Series: Provides much larger open areas and the greatest selection of screen options.

Horizontal Series: Excellent for shallow water applications, very large screen open areas.



Basic Series



X-Series



J-Series



JD-Series



Horizontal Series

Screen Options for Foot Valves

Basic Series

Hole	Thickness	Material
1/8"	.080	aluminum
1/4"	.050	aluminum <u>standard</u>
1/4"	.080	aluminum
1/2"	.080	aluminum
1/4"	18 ga	stainless steel

J and JD-Series

Hole	Thickness	Material
1/8"	.080	aluminum
1/4"	.080	aluminum <u>standard</u>
1/2"	.080	aluminum
3/4"	.125	aluminum
1"	.125	aluminum
1/4"	18 ga	stainless steel

X-Series

Hole	Thickness	Material
1/8"	.080	aluminum <u>standard</u>
1/4"	.080	aluminum

Additional Options

Stainless steel bolts- Stainless steel bolts, nuts, and washers are available upon request for all Sure-Flo foot valves for an additional charge.

Foot valve drain kit- All Sure-Flo foot valves larger than 3" are provided with a tapped and plugged outlet on the side of the body. By replacing this plug with the optional drain kit, suction line removal becomes much easier. One end of an inexpensive garden hose is attached to the drain fitting, and the other end is capped, with the provided hose cap, and secured near the pump. When ready to remove the suction line, simply remove the cap, and place the hose in the water. This will allow the suction line to drain down to the water surface.

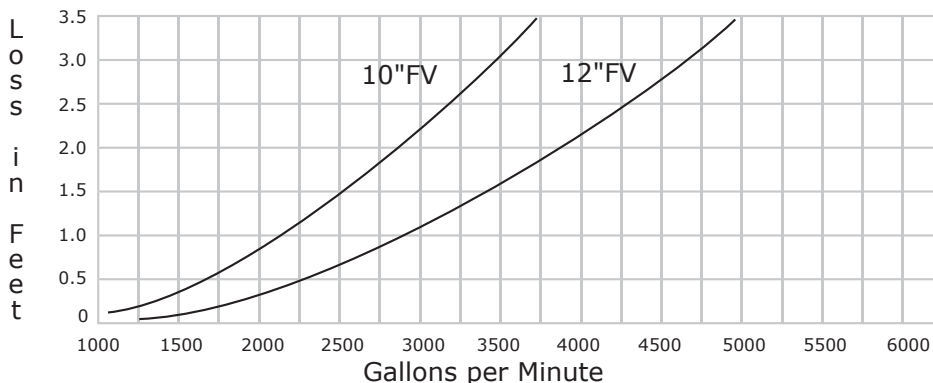
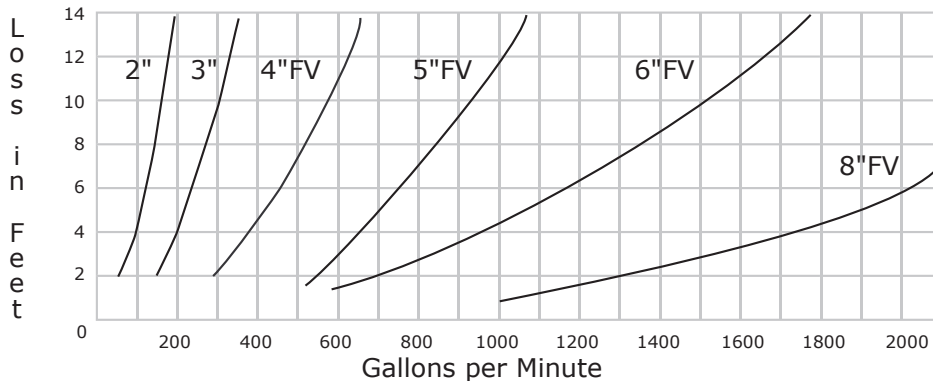


Klomplox flange-



Designed for Sure-Flo OD compression type foot valves and fittings, Klomplox flanges provide an extra secure connection. The flange is made as a two-piece unit, which clamps on the tubing and prevents it from being pushed out of the fitting under pressure. A separate aluminum gasket seal-ring assures uniform pressure against the gasket to prevent leakage.

Foot Valve Loss Curves



* Foot Valve Installation *

When installing Sure-Flo foot valves, it is important that the foot valve be in the proper position. The hump on the body is where the flapper is hinged and swings out of the liquid flow. This hump should be in the uppermost position, aimed towards the surface of the water source. The flapper is not spring loaded and requires a small amount of suction head (vertical distance from the water surface to the pump centerline), usually 4 feet is sufficient.



Foot Valves



SFV6



SFV6FP



SFV6CF



Basic 45°

OD Tubing

Part No.	OD Tubing Size	Weight lbs.	Screen Open Area
SFV2	2"	5.0	17 sq. in.
SFV3	3"	7.0	34 sq. in.
SFV4	4"	11.0	59 sq. in.
SFV5	5"	14.0	78 sq. in.
SFV6	6"	17.0	97 sq. in.
SFV8	8"	26.5	191 sq. in.
SFV10	10"	46.0	360 sq. in.

Female Thread

Part No.	Thread Size	Weight lbs.	Screen Open Area
SFV2FP	2"	5.0	17 sq. in.
SFV3FP	3"	7.5	34 sq. in.
SFV4FP	4"	11.0	59 sq. in.
SFV5FP	5"	13.5	78 sq. in.
SFV6FP	6"	17.0	97 sq. in.
SFV8FP	8"	27.0	191 sq. in.
SFV10FP	10"	47.5	360 sq. in.

Companion Flange

Part No.	Companion Flange Size	Weight lbs.	Screen Open Area
SFV2CF	2"	6.0	17 sq. in.
SFV3CF	3"	8.0	34 sq. in.
SFV4CF	4"	13.5	59 sq. in.
SFV5CF	5"	17.0	78 sq. in.
SFV6CF	6"	20.5	97 sq. in.
SFV8CF	8"	34.0	191 sq. in.
SFV10CF	10"	59.0	360 sq. in.

Screen Dimensions	Height	Diameter
2" basic valves	2-5/8"	5"
3" basic valves	4-1/2"	6"
4" basic valves	6-1/2"	7-1/4"
5" basic valves	7-3/8"	8-3/8"
6" basic valves	8-3/8"	9-1/4"
8" basic valves	13-1/2"	11-1/4"
10" basic valves	21"	13-5/8"
12" basic valves	36"	22"

Basic Vertical

OD Tubing

Part No.	OD Tubing Size	Weight lbs.	Screen Open Area
SFVV3	3"	8.5	34 sq. in.
SFVV4	4"	13.0	59 sq. in.
SFVV5	5"	17.0	78 sq. in.
SFVV6	6"	23.0	97 sq. in.
SFVV8	8"	33.0	191 sq. in.
SFVV10	10"	51.0	360 sq. in.



SFVV6

Female Thread

Part No.	Thread Size	Weight lbs.	Screen Open Area
SFVV2FP	2"	4.0	17 sq. in.
SFVV3FP	3"	6.5	34 sq. in.
SFVV4FP	4"	10.0	59 sq. in.
SFVV5FP	5"	15.0	78 sq. in.
SFVV6FP	6"	21.0	97 sq. in.
SFVV8FP	8"	32.0	191 sq. in.
SFVV10FP	10"	51.0	360 sq. in.



SFVV6FP

Companion Flange

Part No.	Companion Flange Size	Weight lbs.	Screen Open Area
SFVV2CF	2"	5.0	17 sq. in.
SFVV3CF	3"	8.5	34 sq. in.
SFVV4CF	4"	15.5	59 sq. in.
SFVV5CF	5"	18.5	78 sq. in.
SFVV6CF	6"	27.0	97 sq. in.
SFVV8CF	8"	38.0	191 sq. in.
SFVV10CF	10"	61.0	360 sq. in.



SFVV6CF

12" foot valve

Part No.	Companion Flange Size	Weight lbs.	Screen Open Area
SFVV12CF	12"	132	972 sq. in.

The 12" foot valve is available only in the vertical companion flange body type.



SFVV12CF

Foot Valves

Foot Valves

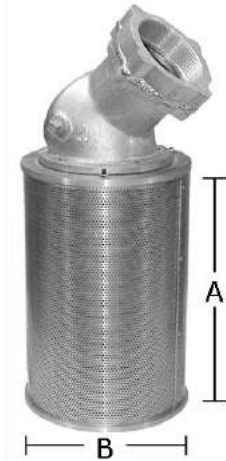
X-Series

Greater Screen Length

Two screen lengths for each size foot valve are available.

Larger Screen Diameter

Greater screen area is also provided by increasing the diameter of the screen compared with basic Sure-Flo foot valves. Each X-Series screen is about 2" larger in diameter than the basic foot valve screen.



SFV4FPX14

Screen Options

Valve Size	Dimension A	Dimension B	Screen Open Area
2"	9"	7.25"	82 sq. in.
2"	14"	7.25"	128 sq. in.
3"	9"	8.50"	96 sq. in.
3"	14"	8.50"	150 sq. in.
4"	9"	9.25"	105 sq. in.
4"	14"	9.25"	163 sq. in.
5"	11"	10.50"	145 sq. in.
5"	18"	10.50"	237 sq. in.
6"	11"	11.25"	155 sq. in.
6"	18"	11.25"	254 sq. in.

Standard screen: 1/8" hole size, .080" thick, aluminum
Optional screen: 1/4" hole size, .080" thick, aluminum
Optional bolts: stainless steel

Body Types



Valve Size	45° OD Tubing	45° Female Thread	45° Companion Flange	Vertical OD Tubing	Vertical Female Thread	Vertical Companion Flange
2"	SFV2X 9	SFV2FPX 9	SFV2CFX 9	SFVV2X 9	SFVV2FPX 9	SFVV2CFX 9
2"	SFV2X14	SFV2FPX14	SFV2CFX14	SFVV2X14	SFVV2FPX14	SFVV2CFX14
3"	SFV3X 9	SFV3FPX 9	SFV3CFX 9	SFVV3X 9	SFVV3FPX 9	SFVV3CFX 9
3"	SFV3X14	SFV3FPX14	SFV3CFX14	SFVV3X14	SFVV3FPX14	SFVV3CFX14
4"	SFV4X 9	SFV4FPX 9	SFV4CFX 9	SFVV4X 9	SFVV4FPX 9	SFVV4CFX 9
4"	SFV4X14	SFV4FPX14	SFV4CFX14	SFVV4X14	SFVV4FPX14	SFVV4CFX14
5"	SFV5X11	SFV5FPX11	SFV5CFX11	SFVV5X11	SFVV5FPX11	SFVV5CFX11
5"	SFV5X18	SFV5FPX18	SFV5CFX18	SFVV5X18	SFVV5FPX18	SFVV5CFX18
6"	SFV6X11	SFV6FPX11	SFV6CFX11	SFVV6X11	SFVV6FPX11	SFVV6CFX11
6"	SFV6X18	SFV6FPX18	SFV6CFX18	SFVV6X18	SFVV6FPX18	SFVV6CFX18

J-Series

Greater Screen Size

All J-Series screens are 18" in height and 13.5" in diameter.

Double Decked Screen Units Available

Greater screen area is also provided by an available double decked screen configuration.

Screen Options

Hole	Thickness	Material	Open Area*
1/8"	.080"	aluminum	314 sq. in.
1/4"	.080"	aluminum	314 sq. in.
1/2"	.080"	aluminum	314 sq. in.
3/4"	.125"	aluminum	236 sq. in.
1.0"	.125"	aluminum	223 sq. in.
1/4"	18 ga	stainless steel	314 sq. in.

* Open area given is for single screen units. Double decked units have twice the open area.

Standard screen: 1/4" hole size, .080" thick, aluminum

Optional bolts: stainless steel

Foot Valves

Single



SFVJ6FP

Double Decked



SFVVJ6CF-D

Body Types



45°



45°



45°



Vertical



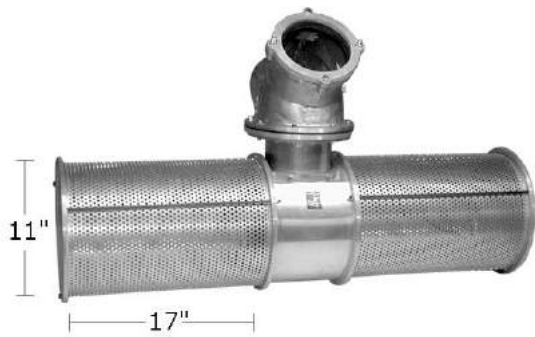
Vertical



Vertical

Valve Size	OD Tubing	Female Thread	Companion Flange	OD Tubing	Female Thread	Companion Flange
Single Screen						
4"	SFVJ4	SFVJ4FP	SFVJ4CF	SFVVJ4	SFVVJ4FP	SFVVJ4CF
5"	SFVJ5	SFVJ5FP	SFVJ5CF	SFVVJ5	SFVVJ5FP	SFVVJ5CF
6"	SFVJ6	SFVJ6FP	SFVJ6CF	SFVVJ6	SFVVJ6FP	SFVVJ6CF
8"	SFVJ8	SFVJ8FP	SFVJ8CF	SFVVJ8	SFVVJ8FP	SFVVJ8CF
Double Decked						
4"	SFVJ4-D	SFVJ4FP-D	SFVJ4CF-D	SFVVJ4-D	SFVVJ4FP-D	SFVVJ4CF-D
5"	SFVJ5-D	SFVJ5FP-D	SFVJ5CF-D	SFVVJ5-D	SFVVJ5FP-D	SFVVJ5CF-D
6"	SFVJ6-D	SFVJ6FP-D	SFVJ6CF-D	SFVVJ6-D	SFVVJ6FP-D	SFVVJ6CF-D
8"	SFVJ8-D	SFVJ8FP-D	SFVJ8CF-D	SFVVJ8-D	SFVVJ8FP-D	SFVVJ8CF-D

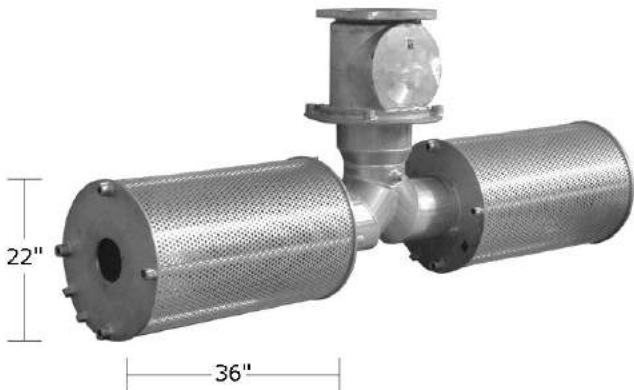
Foot Valves



SFSHV6



SFSHV10



SFSHV12



Horizontal-Series

Horizontal-Basic

4", 6", and 8" foot valves:

Any body type.

Screen size: 11" wide, 17" long
1/8", 1/4", or 1/2" hole size

Total open area: 470 sq. in.

Horizontal-JD

10" foot valves:

Any body type.

Screen size: 13.5" wide, 36" long
any JD-series screen type available

Total open area: 1256 sq. in.

Horizontal-XL

12" foot valve:

Vertical companion flange only.

Screen size: 22" wide, 36" long
1/8", 1/4", 1/2" or 1" hole size

Total open area: 1944 sq. in.

Foot valve with slide

4", 6", and 8" foot valves:

Any body type.

Can be combined with basic strainers to create foot valves with slides.

Self-Cleaning

Rotating screen with stationary spray nozzles

Uses a small amount of pressurized discharge water to continually rotate the screen and blast the screen clean.

•**Single Drive Models:** For typical applications. Requires from 60-65 psi and 8-77 gpm for cleaning.

•**Dual Drive Models:** For lower pressure or especially heavy cleaning requirements. Requires from 45-55 psi and 14-96 gpm for cleaning.

Single Drive

Part No.	Capacity gpm
SCS2	50
SCS3	160
SCS4	325
SCS6	625
SCS8	1150
SCS10	1500
SCS10BB	1900
SCS10XL	2500
SCS12XL	2500

Dual Drive

Part No.	Capacity gpm
SCS3-DD	200
SCS4-DD	400
SCS6-DD	725
SCS8-DD	1450
SCS10-DD	1875
SCS10BB-DD	2350
SCS10XL-DD	2950
SCS12XL-DD	2950

Screens:

SCS2:	high-density polyethylene, .075" hole size
SCS2-A:	epoxy-coated aluminum, .062" hole size
3"-12" standard:	epoxy-coated aluminum, 3/32" hole size
3"-12" optional:	standard screen wrapped with ss 18 mesh
3"-12" optional:	standard screen wrapped with ss 32 mesh
3"-12" optional:	perforated stainless steel screen
	.117" perf 16GA 316SS

Strainers



Can be used with any Sure-Flo foot valve



SCS2 and SCS2A 50 GPM
Requires 35 psi

Shallow Water

Stationary screen with rotating spray-bar

Part No.	Strainer Capacity gpm	Screen Open Area	Backwash Pressure Required
SWS6	625	270 sq. in.	60
SWS8	975	442 sq. in.	60

Screen: epoxy-coated aluminum, 3/32" hole size

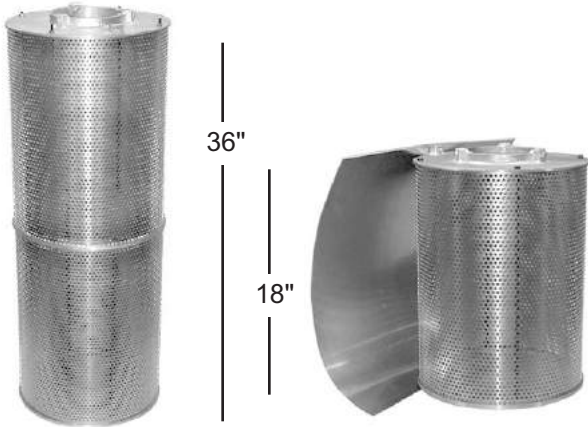


*** See the Sure-Flo self-cleaning catalog for more information. ***

Strainers



SFS6



SFSJ6-D

SFSJ6



SFS8XL



SFSH6

OD Tubing

Basic

Part No.	OD Tubing Size	Weight lbs.	Screen Open Area
SFS2	2"	1.5	15 sq. in.
SFS3	3"	2.0	24 sq. in.
SFS4	4"	3.5	42 sq. in.
SFS5	5"	4.5	66 sq. in.
SFS6	6"	6.0	97 sq. in.
SFS8	8"	11.0	192 sq. in.
SFS10	10"	15.0	332 sq. in.
SFS12XL	12"	See XL strainer section below.	

J and JD

Part No.	OD Tubing Size	Weight lbs.	Screen Open Area
Single Screen			
SFSJ4	4"	14.5	314 sq. in.
SFSJ5	5"	14.5	314 sq. in.
SFSJ6	6"	14.5	314 sq. in.
SFSJ8	8"	14.0	314 sq. in.
SFSJ10	10"	13.5	314 sq. in.
Double Decked			
SFSJ4-D	4"	21.5	628 sq. in.
SFSJ5-D	5"	21.5	628 sq. in.
SFSJ6-D	6"	21.5	628 sq. in.
SFSJ8-D	8"	21.0	628 sq. in.
SFSJ10-D	10"	21.0	628 sq. in.

Available with or without slide. Screen options Pg. 11

XL

Part No.	OD Tubing Size	Weight lbs.	Screen Open Area
SFS6XL	6"	52.0	972 sq. in.
SFS8XL	8"	51.5	972 sq. in.
SFS10XL	10"	51.0	972 sq. in.
SFS12XL	12"	53.5	972 sq. in.

Available with or without slide. Screen options Pg. 11

Horizontal

Part No.	OD Tubing Size	Weight lbs.	Screen Open Area
SFSH4	4"	20.5	470 sq. in.
SFSH6	6"	22.0	470 sq. in.
SFSH8	8"	23.5	470 sq. in.

Available with or without slide. Screen options Pg. 11

PVC Pipe

Basic

Part No.	PVC Pipe Size	Weight lbs.	Screen Open Area
SPVC4	4"	4.0	61 sq. in.
SPVC6	6"	5.5	97 sq. in.
SPVC8	8"	8.0	190 sq. in.
SPVC10	10"	12.0	314 sq. in.

J and JD

Part No.	PVC Pipe Size	Weight lbs.	Screen Open Area
Single Screen			
SPVCJ6	6"	19.5	314 sq. in.
SPVCJ8	8"	19.0	314 sq. in.
Double Decked			
SPVCJ6-D	6"	27.0	628 sq. in.
SPVCJ8-D	8"	27.0	628 sq. in.

XL

Part No.	PVC Pipe Size	Weight lbs.	Screen Open Area
SPVC12	12"	53.5	972 sq. in.
SPVC15	15"	46.0	972 sq. in.
SPVC16	16"	45.5	972 sq. in.

Opening Size:

SPVC12: 12.875" SPVC15: 15.375" SPVC16: 16.25"

Strainers

9"



SPVC6

18"



SPVCJ8

36"

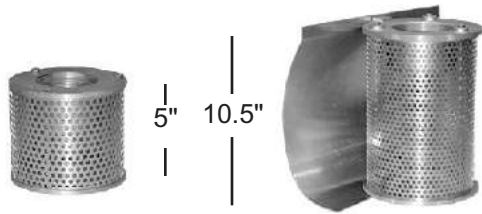


SPVC12

Screen Options for Strainers

Basic Series			J and JD-Series		
Hole	Thickness	Material	Hole	Thickness	Material
1/8"	.080	aluminum	1/8"	.080	aluminum
1/4"	.050	aluminum <u>standard</u>	1/4"	.080	aluminum <u>standard</u>
1/4"	.080	aluminum	1/2"	.080	aluminum
1/2"	.080	aluminum	3/4"	.125	aluminum
			1"	.125	aluminum
			1/4"	18 ga	stainless steel
XL-Series			Horizontal Series		
Hole	Thickness	Material	Hole	Thickness	Material
1/8"	.080	aluminum	1/4"	.050	aluminum <u>standard</u>
1/4"	.080	aluminum <u>standard</u>	1/8"	.080	aluminum
1/2"	.080	aluminum	1/4"	.080	aluminum
1.0"	.125	aluminum			

Strainers



SFS3P

SFS4P

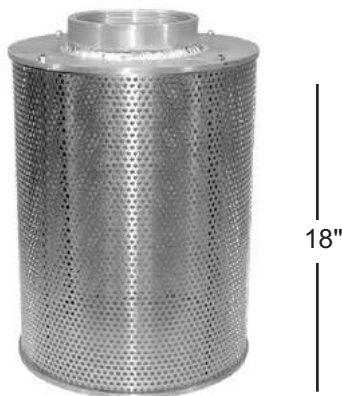


PLS2

PLS2-OS



PLS3



SFSJ6FP

Threaded

Basic

Part No.	Thread Size	Weight lbs.	Screen Open Area
SFS2P	2"	2.0	15 sq. in.
SFS25P	2.5"	2.0	23 sq. in.
SFS3P	3"	2.5	38 sq. in.
SFS4P	4"	6.5	97 sq. in.

Slide available on SFS4P only.

PLS

Part No.	Thread Size	Weight lbs.	Screen Open Area
PLS2	2"	4.0	97 sq. in.
PLS2-OS	2"	3.5	193 sq. in.
PLS3	3"	13.0	197 sq. in.

For ponds, lakes, and streams

Screens: .075 hole, epoxy-coated aluminum
.125 hole, aluminum (PLS3)

Slide: High-density polyethylene (PLS2 only)

Slide: Aluminum (PLS3 only)

J and JD

Part No.	Thread Size	Weight lbs.	Screen Open Area
Single Screen			
SFSJ4FP	4"	17.0	314 sq. in.
SFSJ5FP	5"	17.5	314 sq. in.
SFSJ6FP	6"	17.5	314 sq. in.
SFSJ8FP	8"	18.0	314 sq. in.
SFSJ10FP	10"	21.5	314 sq. in.
Double Decked			
SFSJ4FP-D	4"	24.5	628 sq. in.
SFSJ5FP-D	5"	25.0	628 sq. in.
SFSJ6FP-D	6"	25.0	628 sq. in.
SFSJ8FP-D	8"	25.5	628 sq. in.
SFSJ10FP-D	10"	29.0	628 sq. in.

Available with or without slide.

* For strainer screen options see page 11. *

Companion Flange

Matches the bolt pattern of a standard 125-pound cast iron companion flange or a schedule 80 PVC flange.

Basic

Part No.	Companion Flange Size	Weight lbs.	Screen Open Area
SFSF2	2"	3.5	44 sq. in.
SFSF3	3"	5.5	54 sq. in.
SFSF4	4"	6.5	81 sq. in.
SFSF6	6"	9.0	160 sq. in.
SFSF8	8"	16.0	250 sq. in.



11.25"

SFSF6

J and JD

Part No.	Companion Flange Size	Weight lbs.	Screen Open Area
Single Screen			
SFSFJ4	4"	16.5	314 sq. in.
SFSFJ6	6"	15.5	314 sq. in.
Double Decked			
SFSFJ4-D	4"	24.0	628 sq. in.
SFSFJ6-D	6"	22.5	628 sq. in.



18"

SFSFJ6

XL

Part No.	Companion Flange Size	Weight lbs.	Screen Open Area
SFSF10	10"	50.5	972 sq. in.
SFSF12	12"	54.5	972 sq. in.



36"

SFSF12

* For strainer screen options see page 11. *

Strainers

Specialty

Submersible Pump

A flow-inducer sleeve is used to direct water past a submersible pump motor when pumping conditions fail to provide adequate cooling. Sure-Flo strainers easily bolt on the end of a PVC (IPS) induction tube. **Sure-Flo does not supply the PVC tube.**

Pump Support Plugs

Part No.	PVC Pipe Size	Discharge Pipe Size	Weight lbs.
PSP 4-1	4" IPS	1.0"	2.0
PSP 4-1¼	4" IPS	1.25"	1.5
PSP 6-1	6" IPS	1.0"	3.5
PSP 6-1¼	6" IPS	1.25"	3.5
PSP 6-1½	6" IPS	1.5"	3.5
PSP 6-2	6" IPS	2.0"	3.5
PSP 8-1	8" IPS	1.0"	6.0
PSP 8-2½	8" IPS	2.5"	6.0
PSP 8-3	8" IPS	3.0"	5.5
PSP 8-4	8" IPS	4.0"	5.0

The pump support plug has a compression gasket that holds the plug in the PVC tube and secures the pump discharge pipe. This is accomplished by tightening four compression bolts. An electrical wire clamp comes in each plug.

Motor Support Pads

There are three adjustable, rubber, motor support pads which are included when purchasing the 6" pump support plugs and four pads with 8" pump support plugs.

Three Pad Set- MSP3
 Four Pad Set- MSP4
 Sets may be purchased separately.

Submersible Pump Strainer

Part No.	PVC Pipe Size	Weight lbs.	Screen Open Area
SPS4	4"	4.0	118 sq. in.
SPS6	6"	6.0	185 sq. in.
SPS8	8"	8.5	350 sq. in.

Screen: epoxy-coated aluminum, .075" hole size



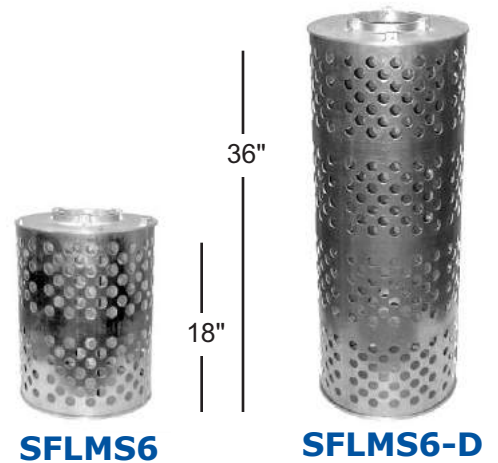
Specialty

Strainers

Liquid Manure

Part No.	OD Tubing Size	Weight lbs.	Screen Open Area
Single Screen			
SFLMS4	4"	17	236 sq. in.
SFLMS5	5"	17	236 sq. in.
SFLMS6	6"	17	236 sq. in.
SFLMS8	8"	17	236 sq. in.
Double Decked			
SFLMS4-D	4"	25	472 sq. in.
SFLMS5-D	5"	25	472 sq. in.
SFLMS6-D	6"	25	472 sq. in.
SFLMS8-D	8"	25	472 sq. in.

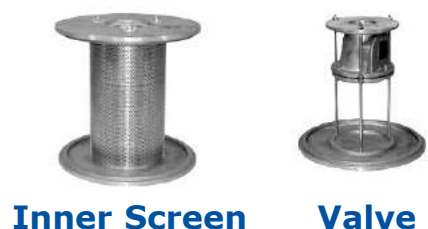
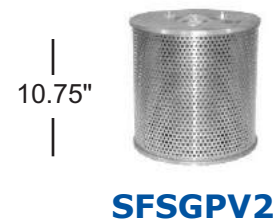
This rugged aluminum strainer quickly bolts on the end of an aluminum suction line. It will hold the weight of a man standing on the screen, yet it weighs only 20 pounds. Positioning the 284 1" holes in the 1/8" thick screen, is the secret to its ability to resist collapse. Available in a double-decked model for extra open area. Made from aluminum castings and a screen of high strength, corrosion resistant alloy and stainless steel bolts and nuts. It is designed for this demanding job.



Gravel Pack

Part No.	Type and Thread Size	Weight lbs.
SFSGPV2	2" with foot valve	12.5
SFSGP2	2" without foot valve	9.5
SFSGP25	2.5" without foot valve	9.5
SFSGP3	3" without foot valve	10.0

Gravel Pack strainers are made with an inner screen of 1/8" perforated aluminum and an outer screen of 1/4" perforated aluminum. The space between these screens may be filled with pea gravel to provide a very effective filter for fine material in the water, including troublesome algae.



Fittings

Eccentric



SFA68

Concentric



SFA66

Pump Adapters

PIPE THREADS to TUBING. These fittings permit the use of Sure-Flo suction fittings on any pump with threaded intakes from 2" to 10". Made from new standard pipe with heavy gauge steel tubing welded to it. The fitting is then hot dipped galvanized. Frequently the suction line should be at least one size larger than the pump inlet. When the tubing size is more than 1" greater than pipe size, the fitting is eccentric. **Eccentric** adapters should be installed straight side up, as pictured, to avoid air pockets from forming.

Part No.	Male Pipe Size	OD Tube Size	Concentric (C) Eccentric (E)	Weight lbs.
SFA152	1½"	2"	C	1.5
SFA22	2"	2"	C	2.5
SFA23	2"	3"	C	2.0
SFA253	2½"	3"	C	3.0
SFA33	3"	3"	C	4.0
SFA24	2"	4"	E	3.0
SFA254	2½"	4"	E	3.5
SFA34	3"	4"	C	3.5
SFA44	4"	4"	C	4.5
SFA35	3"	5"	E	5.5
SFA45	4"	5"	C	4.5
SFA55	5"	5"	C	8.0
SFA36	3"	6"	E	6.5
SFA46	4"	6"	E	8.0
SFA56	5"	6"	C	8.0
SFA66	6"	6"	C	9.0
SFA48	4"	8"	E	10.5
SFA58	5"	8"	E	11.5
SFA68	6"	8"	E	13.5
SFA88	8"	8"	C	14.5
SFA610	6"	10"	E	18.5
SFA810	8"	10"	E	19.5
SFA1010	10"	10"	C	24.5

Couplers

For joining two pieces of irrigation tubing with an air tight suction joint. This fitting is made from three aluminum castings and is sealed by the compression of two rubber gaskets. Easily and quickly tightened without damage to the tubing. Light in weight and free from rust. Tubing must be supported on both sides of the coupler.



SFC6

Part No.	OD Tube Size	Weight lbs.
SFC2	2"	2.5
SFC3	3"	3.0
SFC4	4"	4.0
SFC5	5"	5.0
SFC6	6"	5.5
SFC8	8"	7.0
SFC10	10"	9.5

Elbows

Sure-Flo aluminum elbows are sealed by the compression of a rubber gasket which is ample in size to assure a seal without excessive tightening. The elbow may be connected and disconnected repeatedly without replacement of the gasket.

Part No.	OD Tubing Size	Type	Weight lbs.
SFE92	2"	90°	4.0
SFE93	3"	90°	5.0
SFE94	4"	90°	7.0
SFE95	5"	90°	8.5
SFE96	6"	90°	10.5
SFE98	8"	90°	14.5
SFE910	10"	90°	23.0
SFE42	2"	45°	3.5
SFE43	3"	45°	4.5
SFE44	4"	45°	6.0
SFE45	5"	45°	7.0
SFE46	6"	45°	9.0
SFE48	8"	45°	12.0
SFE410	10"	45°	17.0

Fittings



SFE94



SFE44

Klamplox

Designed for Sure-Flo OD compression type foot valves and fittings, Klamplox flanges provide an extra secure connection. The flange is made as a two piece unit which clamps on the tubing and prevents it from being pushed out of the fitting under pressure. A separate aluminum gasket-seal-ring assures uniform pressure against the gasket to prevent leakage. Not more than 10 foot pounds of torque should be applied to the clamp bolts or flange bolts to prevent breakage of the aluminum castings



Maximum Pressure Ratings:

4"-150 PSI 5"- 125 PSI 6"-100 PSI 8"-100 PSI

Foot Valves



SFKV6

Couplers



SFKC6

Elbows



SFKE44

Fittings



5-48GO



4-48GO Assy



SFTP6

Gun Outlets

Universal Attachable Outlets

Available with 2½" riser pipe threads and for 4", 5", or 6" O.D. pipe. Simply clamp on the pipe with Permatex under the top half and then cut out the pipe with a hole saw.

Small "Guns" may be used on this sturdy outlet. The base is drilled for attaching a board for support of the sprinkler. If the gun has a larger opening than 2½", this may be bushed down to fit.

The usual procedure is to provide a number of outlets, each with a gate valve, and then to move the gun or guns from outlet to outlet along the line. This method saves much time and labor and permits continuous operation of the pump, if one extra gun is available.

May be attached to full lengths of pipe, thus, less expensive than special short lengths with outlets.

For use with tall risers, as for corn, the riser may be supported by a tripod attached to a support board under the outlet and to a band around the pipe.

Part No.	OD Tube Size	Weight lbs.
4-48GO	4"	3.5
5-48GO	5"	4.5
6-48GO	6"	5.5

2½" x 2" cadmium plated steel reducing nipple 7" long

Tubing Plugs

Cast aluminum plugs which can be inserted into aluminum irrigation tubing to make a closure. May be pressed into the tubing, welded into it, riveted, or pinned into place, depending on the requirements. Also may be turned down to provide a looser fit if required.

These castings permit the use of tubing for many special products such as water tanks, fishing rod cases, etc.

Part No.	OD Tube Size	Weight lbs.
SFTP2	2"	.1
SFTP3	3"	.2
SFTP4	4"	.4
SFTP5	5"	.4
SFTP6	6"	.5
SFTP8	8"	2.0

Companion Flanges

Fittings

Sure-Flo companion flanges are made with the same dimensions and bolt holes as standard 125-pound cast iron flanges used in the plumbing and pump trades.

They are not threaded, but are bored so that aluminum irrigation pipe can be fitted into the opening and welded in place.

These flanges permit the use of irrigation tubing in pipe lines and in pump connections. They are useful in food processing pipe lines and in industrial piping where low weight is important.



SFCF6

Part No.	Companion Flange Size	OD	Weight lbs
SFCF2	2"	6.0	1.5
SFCF3	3"	7.0	2.5
SFCF4	4"	9.0	5.0
SFCF5	5"	10.0	5.5
SFCF6	6"	11.0	6.0
SFCF8	8"	13.5	12.5
SFCF10	10"	16.0	13.0
SFCF12	12"	19.0	18.5

Aluminum Tube Tees & Els

Sure-Flo offers a variety of aluminum tube tees and elbows which can be welded to foot valve seat rings or companion flanges, for increased screen capacities or for custom configurations.



12x10x10



6x4x4



10x10x10



4x4x4

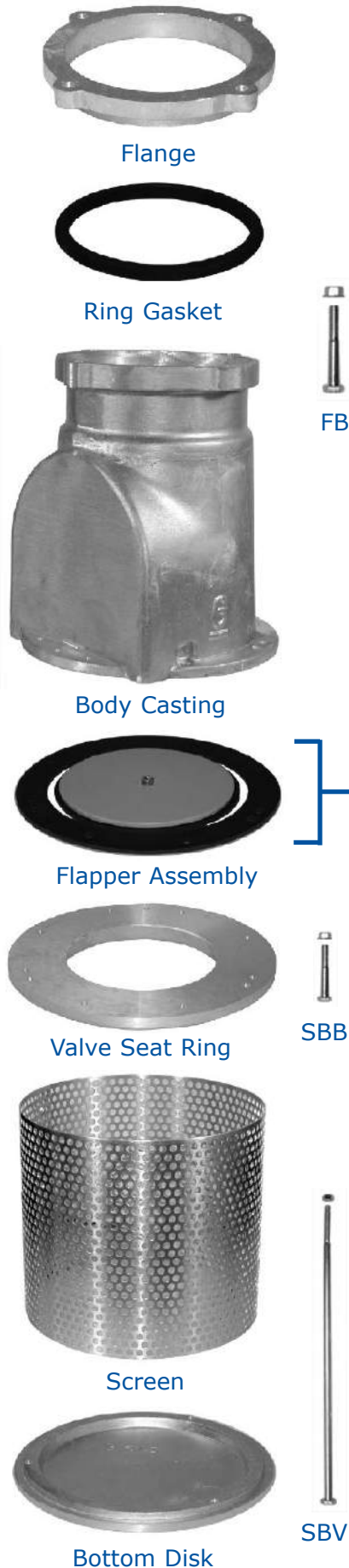


8" 90°



6" 90°

Foot Valve Parts and Flapper Dimensions



2" Flapper Assembly

	Weight
Gasket	1-1/2"
Cover	2-1/2"
— 5-5/8" —	
Bolt: 1/4" x 3/4" SS	

3" Flapper Assembly

	Weight
Gasket	1-1/2"
Cover	3-1/2"
— 6-3/8" —	
Bolt: 1/4" x 3/4" SS	

4" Flapper Assembly

	Weight
Gasket	2-1/2"
Cover	4-1/2"
— 7-3/4" —	
Bolt: 1/4" x 3/4" SS	

5" Flapper Assembly

	Weight
Gasket	3-1/2"
Cover	5-1/2"
— 8-7/8" —	
Bolt: 1/4" x 3/4" SS	

6" Flapper Assembly

	Weight
Gasket	4-1/2"
Cover	6-1/2"
— 9-3/4" —	
Bolt: 1/4" x 3/4" SS	

8" Flapper Assembly

	Weight
Gasket	6-1/2"
Cover	8-1/2"
— 11-3/4" —	
Bolt: 1/4" x 3/4" SS	

10" Flapper Assembly

	Weight
Gasket	8-1/2"
Cover	10-1/2"
— 13-7/8" —	
Bolt: 1/4" x 1" SS	

12" Flapper Assembly

	Weight
Gasket	10-1/2"
Cover	12-1/2"
— 17-1/4" —	
Bolt: 5/16" x 1-1/4" SS	