Filter Model

Diameter: **18"**
Quantity: **1**
Cartridge Description: **D**
Number of Filter Plates: **Enter Number**
Scavenger Plate: **No**
Jacket: **No**

Material of Construction

Wetted Material: **Carbon Steel**
Pickel + Passivate: Yes [ ] No [✔]
Non-Wetted Material: **Carbon Steel**
Jacket Material: **N/A**

Gaskets & Finishes

FDA Compliant Gaskets: Yes [ ] No [✔]
Cover Gasket Material: **BUNA (Standard)**
Other Gasket Material: **BUNA (Standard)**
Finish I.D.: **Fine Sandblast (Standard)**
Finish O.D.: **Fine Sandblast+Epoxy**
Finish Internals: **Mill (Standard)**

Design Specifications

Filter Bags [ ] or Wire Mesh [ ]

Enter Media Requirements

Design Pressure
Tank: **60 PSI (Standard)**
Jacket: **N/A**

Design Temperature
Tank: **-20F to 350F (Standard)**
Jacket: **N/A**

Differential Pressure: **50**

Full Vacuum: Yes [ ] No [✔]

Design Options

Cover Mechanism: **Standard (Recommended)**

Filter Mounting: **(3) Pipe Legs and Floor Flanges (Standard)**

Air Vent Assembly	Yes	N/A	No	✔
Pressure Gauge	Yes	N/A	No	✔
Outlet Piping	Yes	N/A	No	✔

Notes/Additional Requests:

*If cloning an existing Sparkler Filter please submit serial number.

Port Specifications *See port size chart on Pg. 5 for standard size and type

Tank Ports

Inlet Port:	Size	Standard	Type	Threaded
Outlet Port:	Size	Standard	Type	Threaded
Drain Port:	Size	Standard	Type	Threaded
Scavenger Port:	Size	N/A	Type	N/A
Additional Tank Port:	Size	N/A	Type	N/A
Additional Tank Port:	Size	N/A	Type	N/A

Jacket Ports

Inlet Port:	Size	N/A	Type	N/A
Outlet Port:	Size	N/A	Type	N/A

Cover Ports

Pressure Gauge Port:	Size	Standard	Type	Threaded
Air Vent Port:	Size	Standard	Type	Threaded
Sight Glass Port:	Size	N/A	Type	N/A
Sight Glass Port:	Size	N/A	Type	N/A
Additional Cover Port:	Size	N/A	Type	N/A
Additional Cover Port:	Size	N/A	Type	N/A

Do you need shipping quoted? If so, where to?

Submitted By:

Name:
Title:
Company:
Phone:
Email:

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Sparkler Filters, Inc.
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Conroe, Tx. 77301

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WASH OFF
HORIZONTAL PLATE FILTERS

Standard model specs. Number of filter plates can be custom. We recommend deep plates for wash off filters in most cases. Contact us for more information.

CARTRIDGE	FILTER AREA FT2	CAKE CAPACITY FT3	WEIGHT W/SCAV	WEIGHT OUTLET ONLY	GALLONS W/SCAV	GALLONS OO	W/SCAV CART	W/CART OO
18" Diameter								
WO-18-D-6	9.3	0.773	63	55	30	35	29	34.25
WO-18-D-8	12.4	1.16	80	72	30	35	28.75	34
WO-18-D-12	18.6	2.32	113	105	41	46	39.25	44.25
WO-18-D-16	24.8	3.093	146	139	52	57	49.5	54.5
WO-18-XD-4	6.2	1.729	52	55	30	35	29.25	34.5
WO-18-XD-6	9.66	2.664	72	65	41	46	39.75	45
WO-18-XD-8	12.4	3.11	91	86	52	57	50.5	55
33" Diameter								
WO-33-D-7	37.03	5.4	251	224	142	168	137.75	164
WO-33-D-9	47.61	6.95	312	287	142	168	136.75	163.25
WO-33-D-12	63.48	9.26	405	379	178	204	172	198.5
WO-33-D-17	89.95	13.12	559	533	234	260	225.75	252.25

Horizontal Plate Filter

Request for quote- definitions and additional information.

Filter Type-

Standard Horizontal Plate Filter- One of the most universally accepted industrial liquid filtration solutions in the world. Uniform flow, compact, no moving parts and simple design.

Reverse Flow Filter- The Sparkler Reverse Flow Filter combines the proven ability of the Standard Horizontal Plate Filter with the benefit of easy maintenance due to its reverse flow design.

VR Dual Disc Filter- The Sparkler VR Dual Disc Filter is designed for processes which require the removal of all traces of solids. Generally used in applications where solids are under .1%.

V Dual Disc Filter- The Sparkler V Dual Disc Filter is similar in design to the VR type but generally designed for cloth and wire media using a pre-coat. All plates are V shaped, allowing direct pathway to the filter media.

Wash-Off Filter- Sparkler Wash-Off Filters offer cake stability, plus low consumable-cost, less labor, fast cleaning, and savings in materials for real filtration economy with no sacrifice in quality. About 1/3 of the cleaning time of traditional filters and generally designed for cloth or wire filter media.

Cartridge Description- **some aspects may vary based on precise model*

XS (Extra Shallow) : .325-.55" solids loading space between filter plates. Cartridges consist of filter plates, bottom ring or Scavenger Plate and top ring.*

S (Shallow): ¾-1" solids loading space between filter plates. Cartridges consist of filter plates, bottom ring or Scavenger Plate and top ring.*

D (Deep): 1 ¼-2" solids loading space between filter plates. Cartridges consist of filter plates, bottom ring or Scavenger Plate, one shallow plate next to the Scavenger and top ring.*

Wetted Material- Portion of the filter that comes into contact with the liquid being filtered. Example: inside of filter tank, filter cartridge.

Non-Wetted Material- Portion of the filter that is not intended to come into contact with the liquid being filtered. Example: outside of filter tank.

Scavenger Plate- A Scavenger Plate minimizes unfiltered product in applications where it is essential to recover as much filtrate as possible. Unnecessary on Reverse Flow Filters.

Jacket- Jacket will extend over the tank section only. Jackets are primarily used to regulate temperature.

Cover Mechanism- Standard cover mechanism varies depending on the size of the filter. Alternative designs can be furnished if requested. Example: Handles are standard on 14” and 18” filters while a hand wheel and davit arm are standard on 33” and 44” filters.

Differential Pressure- Pressure drop across filter plates. Standard drop is 50 PSIG. Higher pressure drops can be furnished on request.

Filter Mounting- Standard mounting includes three pipe legs with floor flanges. Alternative designs can be furnished if requested.

Required Micron Retention- What micron retention does your application require? This will help us determine what type of filter media would be best for your particular application.

Spare Cartridge- In some applications, the time that it takes to clean the cartridge causes lost production. Many customers prefer a second cartridge for their filter. Having a spare cartridge allows you to quickly replace the cartridge and reduce downtime.

Spare Bottom Equipment- Reduces cleaning time, particularly for the D (Deep) cartridge type.

Sight Glass Port- A sight glass port can be used to view the inside of the filter while in operation. Often times, two sight glass ports are requested; one as a light source and the other to use as a view port to monitor operation.

Standard Ports and Sizes

PORT ID	8"	14"	18"	18" Rubber Lined	33" Standard	33" Reverse Flow	33" Rubber Lined	44"	44" Rubber Lined
Inlet	3/8" MNPT Common to Drain	3/4" MNPT	1 1/2" MNPT	1 1/2" 150# Flg'd	2" MNTP	2 1/2" 150# Flg'd	2 1/2" 150# Flg'd	6" 150# Flg'd	6" 150# Flg'd
Outlet	1/2" MNPT	1 1/2" FNPT	1 1/2" FNPT	1 1/2" 150# Flg'd	2 1/2" FNTP	2 1/2" 150# Flg'd Common to Drain	2 1/2" 150# Flg'd	6" 150# Flg'd	6" 150# Flg'd
Drain	3/8" MNPT Common to Inlet	3/4" MNPT	3/4" MNPT *	1" 150# Flg'd	2" MNTP	2 1/2" 150# Flg'd Common to Outlet	2 1/2" 150# Flg'd	6" 150# Flg'd	6" 150# Flg'd
Air Vent	1/4" MNPT	1/2" MNPT	1/2" MNPT	1" 150# Flg'd Common to Gauge Connection	1/2" MNTP	1/2" MNTP	1 1/2" Flg'd Common to Gauge Connection	2" 150# Flg'd Common to Gauge Connection	2" 150# Flg'd Common to Gauge Connection
Scavenger	3/8" MNPT	1/2" MNPT	1/2" MNPT	N/A	3/4" MNPT	N/A	3/4" MNPT	N/A	N/A
Jacket Inlet	3/4" FNPT	3/4" FNMT	3/4" FNPT	3/4" FNPT	1" FNPT	1" FNPT	1" FNPT	1 1/2" FNPT	1 1/2" FNPT
Jacket Outlet	1/2" FNPT	3/4" FNPT	3/4" FNPT	3/4" FNPT	1" FNPT	1" FNPT	1" FNPT	1 1/2" FNPT	1 1/2" FNPT
Gauge Connection	1/4" FNPT	1/4" FNPT	1/4" FNPT	1" 150# Flg'd Common to Air Vent	1/4"FNPT	1/4" FNPT	1 1/2" Flg'd Common to Air Vent	2" 150# Flg'd Common to Air Vent	2" 150# Flg'd Common to Air Vent

MNPT- Male National Pipe Thread

FNPT- Female National Pipe Thread

*Drain 1 ½" MNPT on 18" Wash-Off and 18" Non-Scavenger

Common to- This port serves dual functions

SPARKLER FILTERS INC.

Allaying separation anxiety since 1927