

SPIREX
CENTRIFUGAL SEPARATOR
 A FLUID COOLING SYSTEMS PRODUCT

SPIREX ULTRA

INTEGRATED CENTRIFUGAL SEPARATOR AND STRAINER SYSTEM



Spirex Ultra

Benefits:

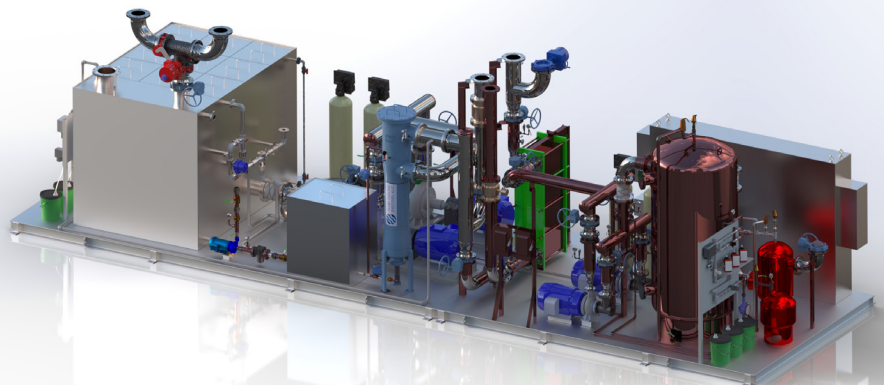
The Spirex Ultra is a next-generation filtration solution engineered to optimize particulate removal and reduce maintenance in hydronic and process water systems. This dual-stage system combines a centrifugal separator with a precision inline strainer to deliver high-efficiency performance across a broad range of applications.

Stage 1: Centrifugal Separation

The upstream centrifugal separator removes particles 80 microns and larger through high-velocity centrifugal action, isolating heavy solids and purging them from the system via a continuous or timed blowdown.

Stage 2: Fine Filtration

The downstream strainer captures the remaining sub-80-micron debris, allowing for micron-specific filtration tailored to customer requirements. Standard and custom mesh options are available.



Key Advantages:



Reduced Strainer Maintenance:

By removing coarse particulate before it reaches the strainer, the Spirex Ultra significantly increases the mean time between cleanings.



Improved System Reliability:

Minimizes pressure drop and clogging associated with traditional single-stage filtration methods.



Customizable Filtration Level:

Enables customers to define the target micron rating for their system without overloading the strainer.



Compact, Integrated Design:

Simplifies installation and reduces space requirements compared to an independent separator and strainer design.



The Spirex Ultra is ideal for systems with high particulate loads, intermittent solids ingress, or where consistent filtration performance is critical to system longevity and uptime.

SIZE	MODEL	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"J"	"K"	"L"	STD LEG	FLOW (GPM)	CV	WEIGHT LBS	PURGE VALVE
1.0"	SUX100-F	1"*	40-5/8	8-1/4	5-11/16	24-15/16	6-1/4	1-1/16	10-5/8	5-9/16	30-5/8	4-11/16	13	14-35	16	50	3/4
1.5"	SUX150-F	1.5"	40-5/8	681/4	5-15/16	24-11/16	6-1/4	13/16	10-5/8	5-9/16	30-5/8	4-15/16	13	25-55	18	56	3/4
2.0"	SUX200-F	2"	54-11/16	13-11/16	8-3/16	35-1/2	8-1/4	1-9/16	14-3/4	6-5/8	43-11/16	6-3/16	15	35-85	26	152	3/4
2.5"	SUX250-F	2.5"	58-5/8	13-11/16	8-7/16	37-3/16	8-1/4	1-5/16	14-3/4	6-5/8	45-5/8	6-7/16	17	45-95	28	165	1
3.0"	SUX300-F	3"	61-14/16	13	12-5/8	40-3/8	9-1/4	1-9/16	15-3/4	9-1/4	53	12-5/8	18-3/8	90-190	55	229	1
4.0"	SUX400-F	4"	78	17-1/2	12-5/8	55	12	3-1/8	20-3/4	10-1/2	67-5/8	12-5/8	18-7/8	160-350	152	492	1
5.0"	SUX500-F	5"	78-1/2	17-1/2	13-3/8	55	12	2-5/8	20-3/4	10-1/2	68-3/8	13-3/8	18-7/8	280-490	152	510	1
6.0"	SUX600-F	6"	94-1/4	19-1/4	18-1/2	64-3/8	13-1/2	3	23	11-1/4	82-7/8	18-1/2	19-3/8	500-800	225	712	1
8.0"	SUX800-F	8"	103-3/8	22	21-5/16	68-5/16	15-1/4	2-5/8	26-1/4	15-1/4	89-5/8	21-5/16	19-7/8	810-1500	397	1010	1
10.0"	SUX1000-F	10"	122-1/2	26-1/4	12-1/2	87	16-1/4	3-5/8	30-1/4	16-1/4	99-1/2	16-1/2	21-7/8	1300-2300	680	1920	1
12.0"	SUX1200-F	12"	140-1/4	29-1/2	13-1/2	94-3/4	20-1/4	3-5/8	35-1/4	20-1/4	108-1/4	17-3/4	22-7/8	1600-3100	780	2536	1
14.0"	SUX1400-F	14"	152-13/16	36-15/16	15-1/8	102-11/16	24-1/4	5	41-1/4	24-1/4	117-13/16	19-1/8	24-7/8	1900-4100	2099	3900	2
16.0"	SUX1600-F	16"	183-13/16	44-11/16	18-1/8	146-11/16	26-1/4	8	47-1/4	26-1/4	164-13/16	23-1/4	26-7/8	3000-5300	2420	6622	2
18.0"	SUX1800-F	18"	192-1/8	46-5/16	19-1/8	150	28-1/4	8	50-1/4	28-1/4	169-1/8	24-1/8	28-7/8	3500-6700	2750	7558	3
20.0"	SUX2000-F	20"	200	46-7/16	21-1/8	152-1/2	30-1/4	8	54-1/4	30-1/4	173-5/8	25-3/8	30-7/8	4500-6700	2900	8586	3



FLUID COOLING SYSTEMS, LLC.

Contact Us



888-315-5631



sales@fluidcoolingsystems.com



www.fluidcoolingsystems.com



[fluidcoolingsystems](https://www.facebook.com/fluidcoolingsystems)

4047 Market Place • Flint, Michigan 48507

Copyright © 2025 Fluid Cooling Systems, LLC. All Rights Reserved.