



Waterworks by  
HALEY MANUFACTURING

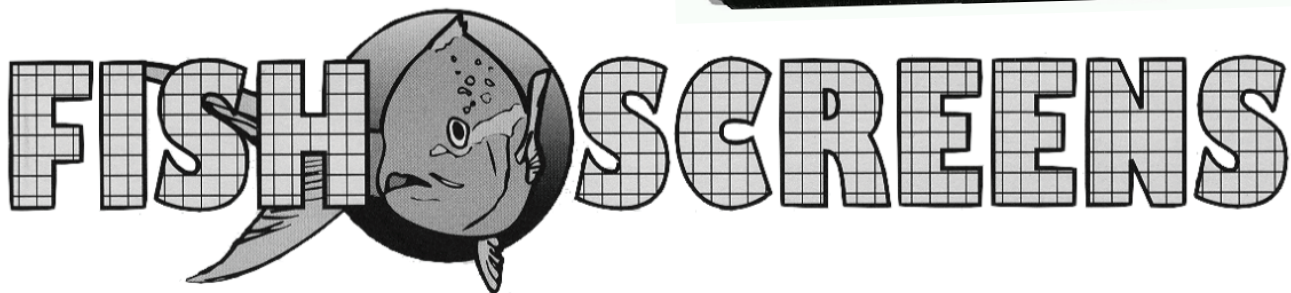
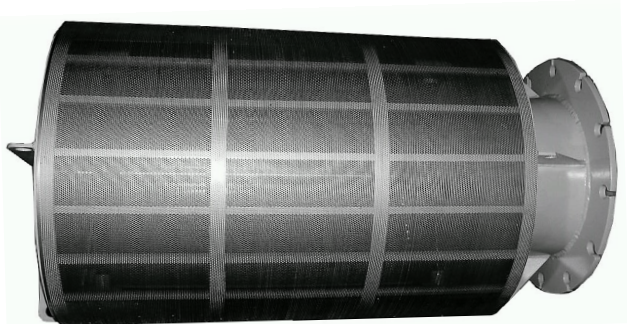
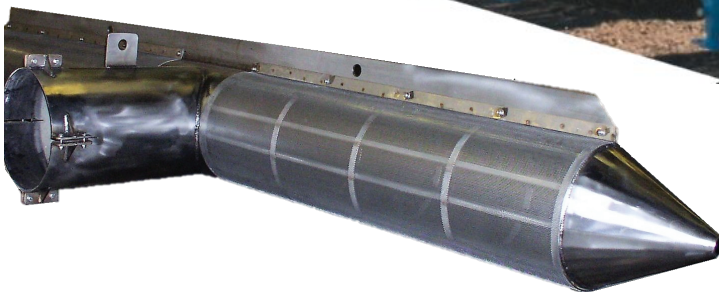
# SELF CLEANING SUCTION SCREEN

HaleyMfg.com

## SCS<sub>2</sub>

### SELF CLEANING SUCTION SCREEN

FISHERIES COMPLIANT ♦ MANY SIZES ♦ NEW DESIGN IMPROVMENTS



460 McLaughlin Rd. • Yakima, WA 98908 | Toll Free (800) 333-5246 | Office (509) 965-3333 | HaleyMfg.com



Waterworks by  
**ALEY MANUFACTURING**

# SELF CLEANING SUCTION SCREEN

HaleyMfg.com

## HOW IT WORKS

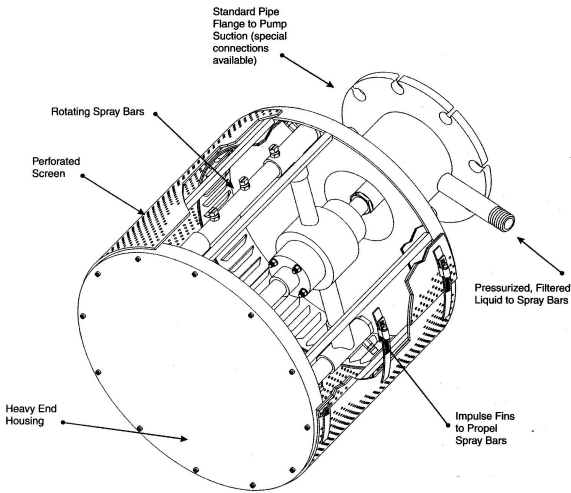
Using the SCS<sub>2</sub> will help protect against plugged lines and costly maintenance repairs to pumps by continuously removing trash, leaves and other debris from waste water pools, manure lagoons, streams, canals, rivers or irrigation ponds. The SCS<sub>2</sub>'s epoxy coated, heavy steel construction (with reinforcement bars to hinder collapsing) has a stainless steel perforated screen to keep unwanted debris from your costly system.

The SCS<sub>2</sub> is quickly installed onto the pump suction pipe, under the surface of the liquid to be filtered. A flanged end connection is standard, but other types of connection ends can be requested. It may be installed in any position without serious restrictions to the Suction Screen's operation.

A connection to a pressurized liquid source at the discharge side of your pump is piped directly back to the SCS<sub>2</sub>, the included, specially sized pressure filter — *A MUST* — is installed at a convenient, accessible location in this return line. This line supplies a continuous clean liquid supply to operate the internal rotating spray bars. The constant rotation of the spray bars and the jet streams of water keep the screen clean of debris at all times while the pump is operating.

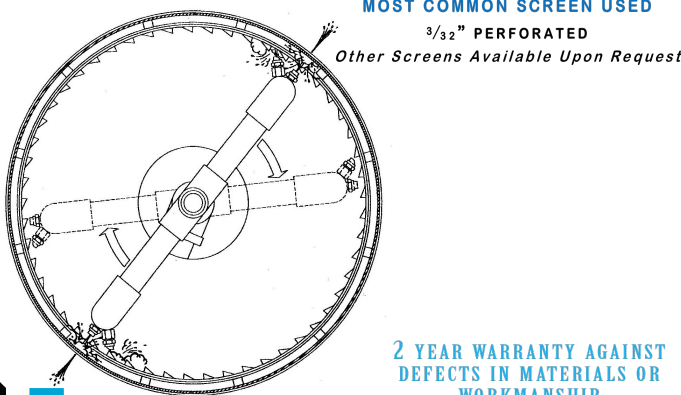
Pump intake self cleaning screening device is to be cylindrical in shape. The stationary cylindrical screened body is to be axially connected to the pump intake pipe. Inside the cylindrical screened frame, a set of spray bars will be provided to rotate about the axis of the cylinder and back spray the screen to keep it free of debris. Spray bar rotational force will be provided by an impulse nozzle on each spray bar, which impinges against a full ring on fixed fins.

The screen body structure will be welded, one piece construction, sand blasted and double epoxy coated. The screen shall clamp fit over the body for quick removal.



\*Pressure filter for Spray Bars included with Suction Screen

- ◆ Install in any position.
- ◆ No external moving parts.
- ◆ Epoxy coated heavy steel construction.
- ◆ Rotating spray bars clean from the inside out.
- ◆ Self cleaning bars operate on low pressure water (30 PSI min). Very low pressure models are available.
- ◆ The only suction screen successfully used in "Manure Lagoons"
- ◆ Can be supplied to satisfy fisheries department approach velocity requirement.



2 YEAR WARRANTY AGAINST  
DEFECTS IN MATERIALS OR  
WORKMANSHIP

FLOW RATE IN GPM	ASSY #	DIM'S IN INCHES					SPRAY BAR EST. WT	
		A	B	C	D	E	BAR GPM	WT
100	BA 217	14	13	17	¾ NPTM	3 NPTM	11	60
200	BA 218	14	15	19	¾ NPTM	4 NPTM	12	65
300	BA 219	14	17	21	¾ NPTM	5 FLANGE	15	70
400	BA 220	16	17	24	1 NPTM	6 FLANGE	17	76
600	CA 221	16	23	31	1 NPTM	8 FLANGE	26	82
800	CA 222	16	28	33	1 NPTM	10 FLANGE	34	90
1000	CA 223	24	20	28	2 NPTF	10 FLANGE	26	140
1200	CA 224	24	22	30	2 NPTF	10 FLANGE	29	160
1400	DA 225	24	25	33	2 NPTF	12 FLANGE	31	180
1600	DA 226	24	28	36	2 NPTF	12 FLANGE	34	210
2000	DA 227	24	34	42	2 NPTF	14 FLANGE	41	230
2400	DA 228	24	40	48	2 NPTF	16 FLANGE	46	260
3000	DA 229	24	40	48	2 NPTF	18 FLANGE	46	300
3600	DA 260	36	40	48	2 NPTF	20 FLANGE	46	433
4000	BA 563	36	45	59	2 NPTF	20 FLANGE	56	465
4500	BA 564	36	54	64	2 NPTF	22 FLANGE	59	500
5000	BA 565	36	59	69	2 NPTF	24 FLANGE	64	535
5500	BA 566	36	64	75	2 NPTF	24 FLANGE	69	570
6000	BA 567	36	69	81	2 NPTF	26 FLANGE	74	605
6500	BA 571	36	74	86	2 NPTF	26 FLANGE	87	640
7000	BA 572	36	79	91	2 NPTF	28 FLANGE	100	675
7500	BA 573	36	84	97	2 NPTF	30 FLANGE	115	710
8000	BA 574	36	89	102	2 NPTF	32 FLANGE	130	745
8500	BA 575	36	94	108	2 NPTF	34 FLANGE	145	780



Innovation to Integration With a Touch of Magic