

**WATER CHAMP F SERIES 6” SUBMERSIBLE  
CHEMICAL INDUCTION SYSTEM  
(MODEL NO. SWC20F)**



**General Description**

The Water Champ® is an innovative device designed for the application of a variety of chemicals used for the treatment of potable water and wastewater. The unique feature of the Water Champ is its ability to provide instantaneous mixing and diffusion.

The “F” Series submersible offers the highest quality of design and construction of any submersible chemical induction unit. The motor is a hermetically sealed 316 SS motor for the highest level of durability and performance required for chemical feed applications. Most wetted materials are constructed from Grade 2 Titanium (unalloyed) and are designed for use with most treatment chemicals. The innovative mounting is configured for mounting in open-channel applications and can be easily retrofitted to existing basins and tanks.

WORKING TO BETTER TREAT  
POTABLE WATER & WASTEWATER

**Features**

- Titanium Wetted Parts\*
- Rugged Construction
- Heavy Duty Bearing Design
- Motor Monitoring System

**Capacities**

- 20 HP
- Gas to 10,000 lbs./day\*\*
- Liquid to 60 GPM

**Benefits**

- Instantaneous Diffusion/Mixing
- Energy and Chemical Savings
- No Off-Gassing
- Easily Serviced
- Maximum Chemical Concentration
- Warranty – 1 Year From Start-up or 18 Months After Delivery

\*Custom materials quoted upon request.

\*\*Feed rates are application dependent. (Consult factory.)

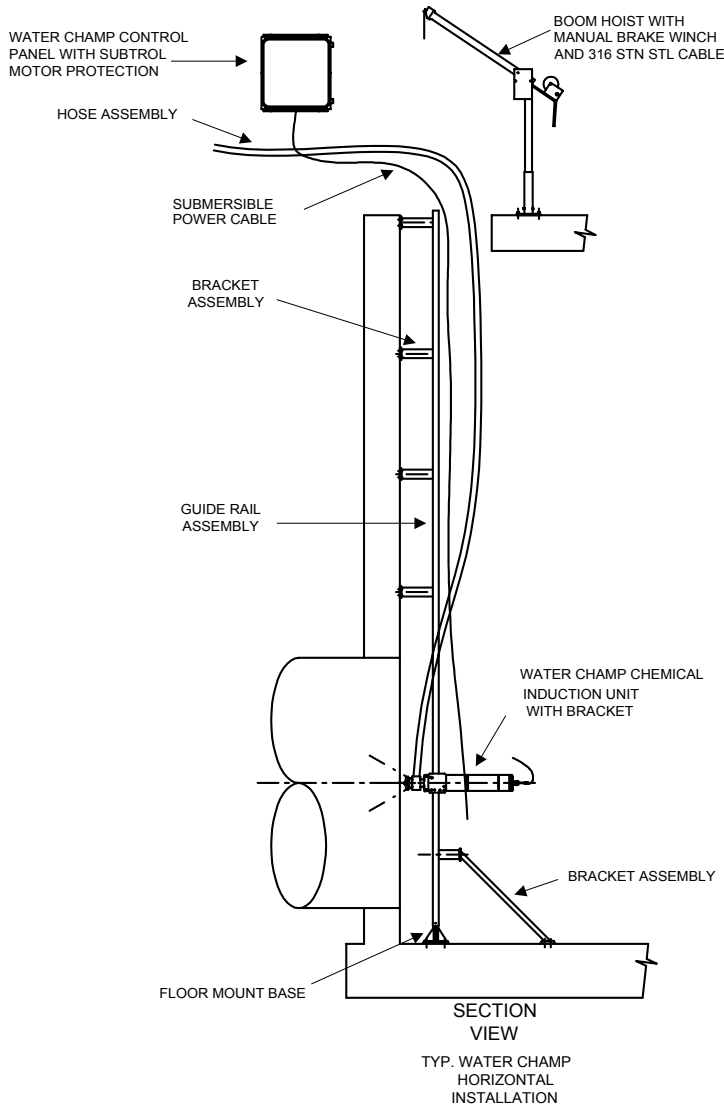
PERFORMANCE SPECIFICATIONS				
Model No.	HP	Maximum Gas Induction CL2 (ppd)	Maximum Liquid Induction GPM	Maximum Vacuum (in. Hg)
SWC20F	20	10,000*	60*	26

Specifications subject to change without notice.

\*Feed rates are application dependent. (Consult factory.)



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MATERIALS OF CONSTRUCTION	
PART	MATERIAL
Vacuum Chamber	Titanium
Vacuum Port	Titanium
Vacuum Enhancer	Non-Metallic
Propeller	Titanium
Propeller Bolt	Titanium
Shaft	Hastalloy C
Mechanical Seals	Silicone Carbide / Silicone Carbide
Motor	316 Stainless Steel
Power Cable	TC Type (25 feet standard)
Hardware	316 Stainless Steel

MOTOR PERFORMANCE DATA																
Model	HP	Volts	Phase	Hertz	RPM	Insulation	S.F.	Rated Input Amps	Max. Input Amps	Locked Rotor Amps	Power Factor %			Efficiency %		
											S.F.	F.L.	3/4	S.F.	F.L.	3/4
SWC20F	20	200	3	60	3450	Class F	1.15	61.9	69.7	416	86.8	84.8	79.5	82.0	82.3	81.6
SWC20F	20	230	3	60	3450	Class F	1.15	53.8	60.6	362	86.8	84.8	79.5	82.0	82.3	81.6
SWC20F	20	460	3	60	3450	Class F	1.15	26.9	30.3	181	86.8	84.8	79.5	82.0	82.3	81.6
SWC20F	20	575	3	60	3450	Class F	1.15	21.5	24.4	145	86.8	84.8	79.5	82.0	82.3	81.6



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For more information, visit our web site at  
[www.stranco.com](http://www.stranco.com)

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