

**WATER CHAMP F SERIES 6" SUBMERSIBLE
CHEMICAL INDUCTION SYSTEM
(MODEL NO. SWC7.5F)**



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

- 7.5 HP
- Gas to 4,500 lbs./day**
- Liquid to 30 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.)

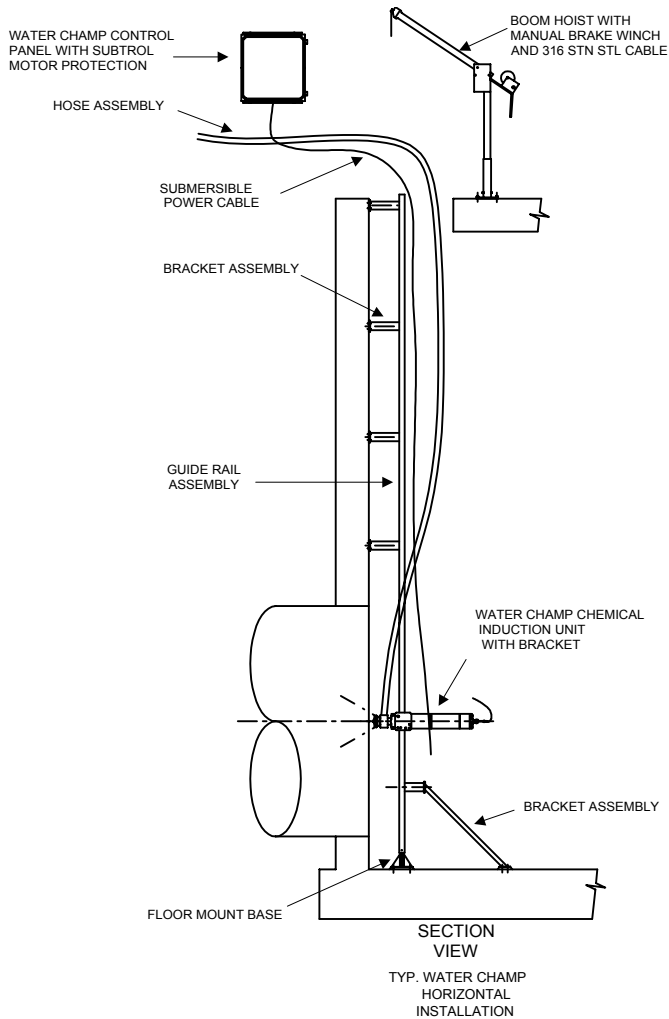
PERFORMANCE SPECIFICATIONS				
Model No.	HP	Maximum Gas Induction CL2 (ppd)	Maximum Liquid Induction GPM	Maximum Vacuum (in. Hg)
SWC7.5F	7.5	4,500*	30*	23

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	Titanium
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
SWC7.5F	7.5	200	3	60	3450	Class F	1.15	25.1	28.3	150	83.0	80.5	73.8	79.8	80.0	78.7
SWC7.5F	7.5	230	3	60	3450	Class F	1.15	21.8	24.6	130	83.0	80.5	73.8	79.8	80.0	78.7
SWC7.5F	7.5	460	3	60	3450	Class F	1.15	10.9	12.3	65.0	83.0	80.5	73.8	79.8	80.0	78.7
SWC7.5F	7.5	575	3	60	3450	Class F	1.15	8.7	9.8	52	83.0	80.5	73.8	79.8	80.0	78.7
SWC7.5F	7.5	230	1	60	3450	Class F	1.15	Y36.5 B34.4 R5.5	Y42.1 B40.5 R5.4	165	91.0	90.4	87.2	73.4	74.4	74.2



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