

## Water Technologies

# Water Champ® F Series 6" Submersible Chemical Induction System

Model No. SWC10F

Product Sheet

# SIEMENS

The Water Champ® Submersible Chemical Induction System 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® System 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.

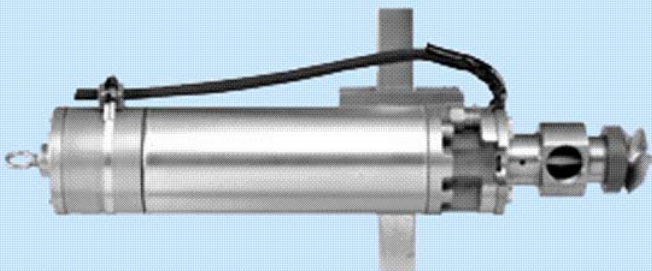
### Features:

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

### Specifications:

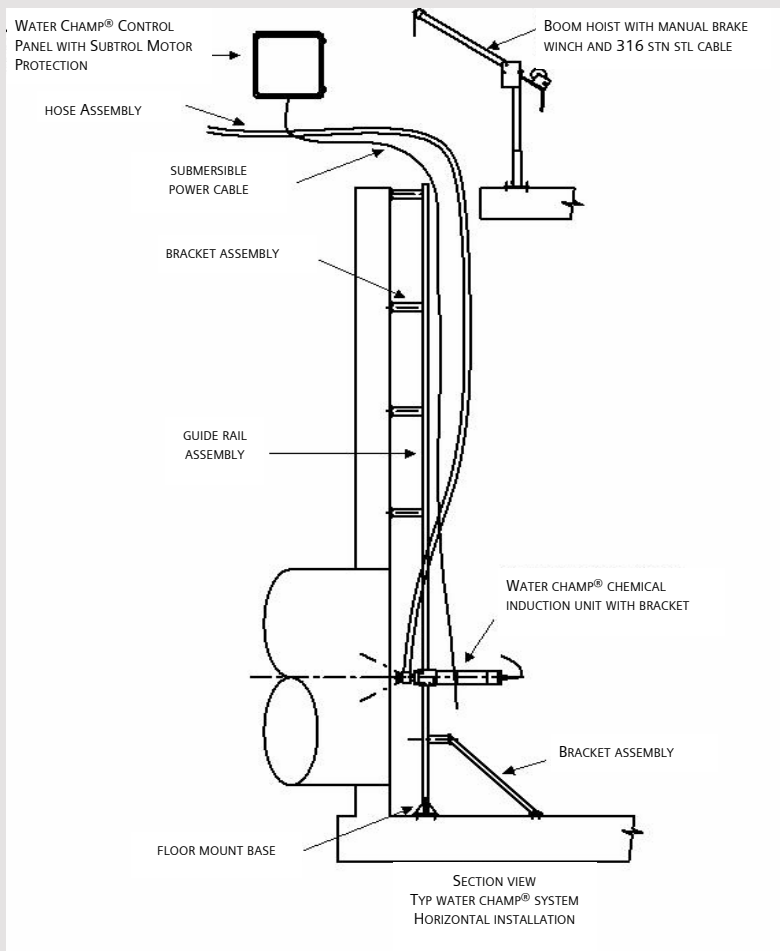
Model No.	HP (KW)	Maximum Gas Induction CL <sup>2</sup> PPD (kg/d)	Maximum Liquid Induction GPM (l/min)	Maximum Vacuum (in. Hg) (kPa)
SWC10F	10 (7.5)	6,000* (2,721.6)	40* (151.4)	23 (.78)

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



### Benefits of the Water Champ® F Series System Include:

- Instantaneous diffusion and mixing
- Energy & chemical savings
- Maximum chemical concentration with no off-gassing
- Warranty –1 Year from start-up or 18 months after delivery whichever occurs first
- Custom materials available



Part	Material
Vacuum Chamber	Titanium
Vacuum Port	Titanium
Vacuum Enhancer	Non-Metallic
Propeller	Titanium
Propeller Bolt	Titanium
Shaft	Titanium
Mechanical Seals	Silicone Carbide
Motor	316 Stainless Steel
Power Cable	TC Type (25 feet standard)
Hardware	316 Stainless Steel

### Motor Performance Data

Model	HP (KW)	Volts	Phase	Hertz	RPM	Insulation	S.F.	FLA Rated Input Amps	SFA Max. Input Amps	Locked Rotor Amps	Power Factor %			Efficiency %		
											S.F.	F.L.	3/4	S.F.	F.L.	3/4
SWC10F	10 (7.5)	200	3	60	3450	Class F	1.15	32.7	37.0	198	85.5	83.2	77.2	79.2	79.4	78.0
SWC10F	10 (7.5)	230	3	60	3450	Class F	1.15	28.4	32.2	172	85.5	83.2	77.2	79.2	79.4	78.0
SWC10F	10 (7.5)	460	3	60	3450	Class F	1.15	14.2	16.1	86	85.5	83.2	77.2	79.2	79.4	78.0
SWC10F	10 (7.5)	575	3	60	3450	Class F	1.15	11.4	12.9	69	85.5	83.2	77.2	79.2	79.4	78.0
SWC10F	10 (7.5)	230	1	60	3450	Class F	1.15	Y44.0 B39.5 R9.3	Y51.0 B47.5 R8.9	204	95.8	95.8	95.3	76.2	76.8	76.3

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