

Water Champ® XP Series Submersible Chemical Induction System

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 various treatment processes. The unique feature of the Water Champ® system is its ability to provide instantaneous mixing and diffusion.

The Explosion Proof, or "XP" Series submersible offers the highest quality of design and construction of any submersible chemical induction unit. The motor is epoxy-coated cast iron 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.

The Water Champ® XP Series system provides gas feed up to 10,000 lbs./day, up to 20 HP and liquid feed up to 60 GPM.

Features:

- Titanium Wetted Parts
- Rugged Construction
- FM Approved Motor for Class I, Div I, Group C&D Installations



Specifications:

Model No.	HP (KW)	Maximum Gas Induction CL ² PPD/KPD	Maximum Liquid Induction GPM/LPM	Maximum Vacuum (in. Hg)/BAR
SWC15XP	15 (11.2)	8,000* (3,628)	50* (189)	26 (.88)
SWC20XP	20 (15)	10,000* (4,536)	60* (227)	26 (.88)

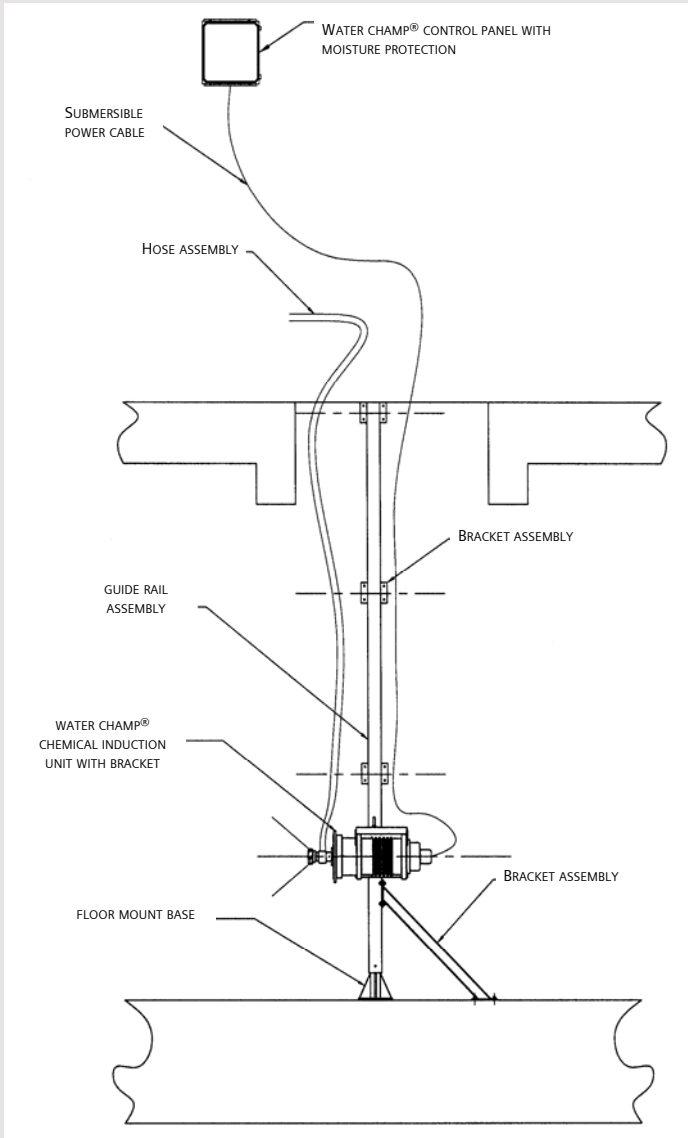
Specifications subject to change without notice

*Feed rates are application dependent. (Consult factory)

Benefits of the Water Champ® XP Series System include:

- Instantaneous diffusion for maximum chemical mixing
- Energy and chemical Savings
- Maximum chemical concentration with no off-gassing
- Warranty –1 year from start-up or 18 months after delivery whichever occurs first

Typical Installation



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	Cast 30 Gray Iron Corrosion Resistant Paint
Power Cable	Seoprene Seow-A
Hardware	316 Stainless Steel

NOTE: Install according to all applicable electric codes to ensure non-hazardous installation.

Motor Performance Data

Model	HP (KW)	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
SWC15XP	15 (11.2)	460	3	60	3450	Class F	1.15	18.0	21.6	121.5	89.4	89.5	88.2	83.7	87.2	90.1
SWC20XP	20 (15)	460	3	60	3450	Class F	1.15	24.2	30.25	132.9	86.4	86.4	84.4	87.7	89.6	91.4

FM Approved Motor for Class I, Div I, Group C & D Installations

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