



# Flygt 2190.390

CLASSIC DEWATERING PUMP IN STAINLESS STEEL

60Hz



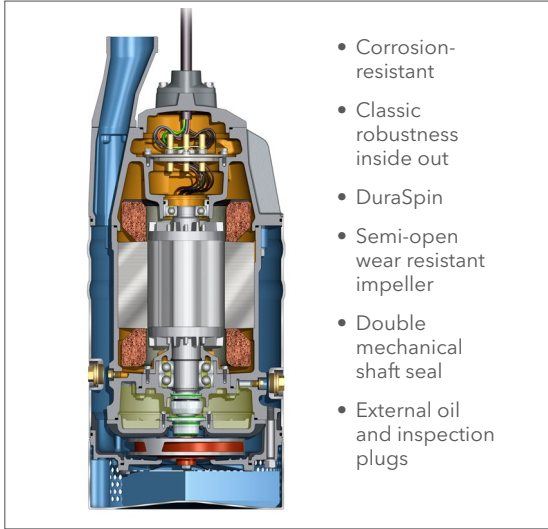
**Part of the Flygt 2000 series, the new Flygt 2190 stainless steel is built on proven pump technology dating back to the 1960s. Every bit as rugged and wear-resistant as the original Flygt 2201, this pump shares the same classic profile and inner workings as its robust and reliable sibling.**

When it comes to performance, the 2190 goes all out. It is built to tough it out in the harshest environments. With a steady stainless steel body, this pump is truly hard-wearing and versatile, designed to efficiently handle tough, abrasives and corrosive liquids. It handles advanced jobs where other pumps demonstrate inferior corrosion resistance and withstands wide variances in pH level.

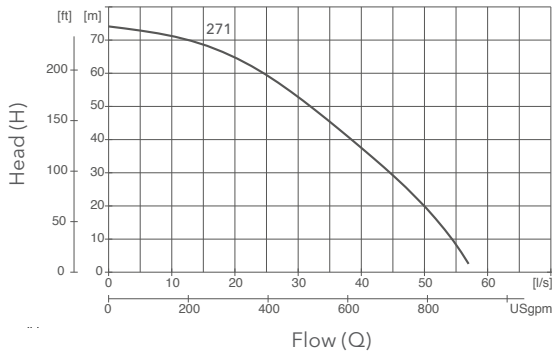
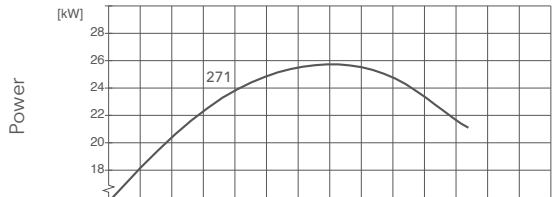
This pump has features such as the conical trim sleeve, a fast and easy impeller-adjustment feature that restores clearances to near-original condition boosting pump performance and a sturdier cable entry ensuring safe and continuous operation.

**Choose between our different stainless steel impeller options:**

- The unique closed impeller and the suction cover with Dura-Spin™ grooves work together sweeping abrasive particles away from the impeller neck.
- The Semi-open impeller with its back-swept vanes effectively prevents string solids from obstructing the pump and increases uptime.



- Corrosion-resistant
- Classic robustness inside out
- DuraSpin
- Semi-open wear resistant impeller
- Double mechanical shaft seal
- External oil and inspection plugs



Voltage (V)	Connection	Rated current (A)	Starting current (A)
220	D	81	830
230	D	79	665
380	Y	48	360
380	Y//	47	320
400	Y	45	375
400	Y//	45	340
440	DSER	40	377
440	D	41	296
460	DSER	40	277
460	D	39	274
480	D	37	287
575	D	31	227
600	D	30	238

### Denomination

Product code	2190.390
Installation	Portable (S)
Discharge connection	4"
Impeller characteristics	High Head (HT) Wear resistant impeller with DuraSpin
	High Head (HT) Semi-open wear resistant impeller (option)

### Process data

Liquid temperature	104°F (40°C)
Depth of immersion	max 65 ft (20 m)
Liquid density	max 9.2 lb/US gal (1,100 kg/m <sup>3</sup> )
Strainer hole dimension	Ø 0.47" (12 mm)
pH of pumped liquid	pH 2-10

### Motor data

Frequency	60 Hz
Insulation class	H 356°F (180°C)
Voltage variation	max +/- 10% - continuous running max +/- 10% - intermittent running
Voltage imbalance	max 2% between phases max 30 - no of starts/hour

### Monitoring equipment

Thermal contacts	230°F (140°C)
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### Cables

SUBCAB®	Submersible cable
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### Materials

Outer casing	Stainless steel, ASTM 316L
Impeller	Stainless steel, ASTM CD-4MCuN / 329
Wear parts	Nitrile rubber / Stainless steel, ASTM CD-4MCuN / 329
Stator housing	Stainless steel, ASTM CD-4MCuN / 329
Strainer	Stainless steel, ASTM 316L
Shaft	Stainless steel, ASTM 431
O-rings	Viton rubber
Discharge connection	Stainless steel, ASTM CD-4MCuN / 329

### Mechanical face seals

Inner Active Seal™	WCCR (Tungsten Carbide)
Outer	RISC (Silicone Carbide)

### Weight & dimensions

Weight (excl. cable)	816 lbs (370 kg)
Height	41.3" (1,048 mm)
Width	17.2" (436 mm)

### Options

Quick couplings	
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### Accessories

Hose connections and floating rafts. Electrical accessories such as pump controllers, control panels and monitoring relays. Zinc anodes.

### Rating 60 Hz

- 3,535 rpm
- 35 HP (26 kW)