



# Flygt 2190.320

HARD-WEARING SUBMERSIBLE DRAINAGE PUMP

50Hz



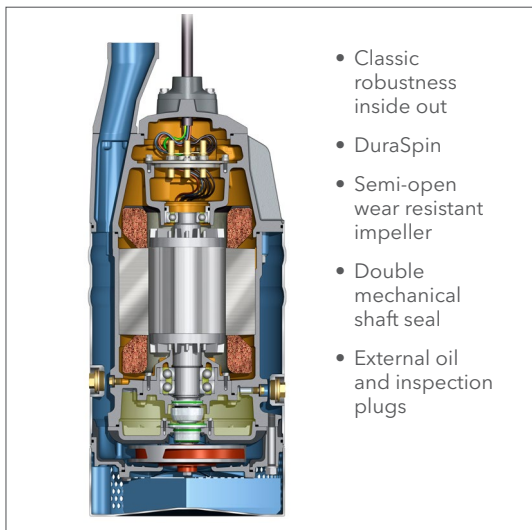
Part of the Flygt 2000 series, the new Flygt 2190 Cast Iron is built on proven pump technology dating back to the 1960s. Every bit as rugged and wear-resistant as the original Flygt 2201, this pump shares the same classic profile and inner workings as its robust and reliable sibling.

When it comes to performance, the 2190 goes all out. It's built for the harshest environments. With a steady cast iron body, this pump is truly hard-wearing and versatile, designed to efficiently handle tough, abrasives-laden liquids. In addition, cast iron make for highly reliable pumps, as it endures liquids containing chlorides.

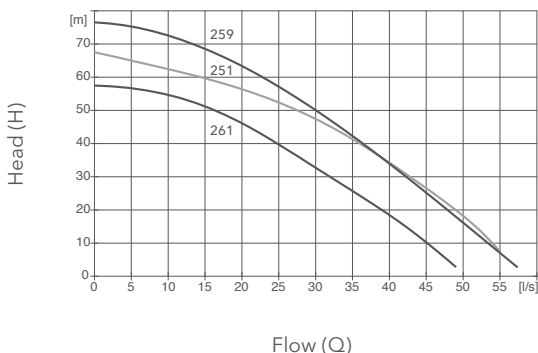
This pump has features such as the conical trim sleeve, a fast and easy impeller-adjustment feature that restores clearances to near-original condition boosting pump performance and a sturdier cable entry ensuring safe and continuous operation.

**Choose between our different 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.
- 2190 - a new classic from Flygt.



- 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	72	460
230	D	69	485
380	Y	42	265
380	D	42	258
400	Y	40	280
400	D	40	269
415	D	39	286
440	D	38	305
500	D	32	227
525	D	31	240
550	D	31	254
660	Y	24	150
690	Y	23	158
1000	Y	16	128

### Denomination

Product code	2190.320
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	40°C
Depth of immersion	max 20 m
Liquid density	max 1,100 kg/m <sup>3</sup>
Strainer hole dimension	Ø12 mm
pH of pumped liquid	pH 6-11

### Motor data

Frequency	50 Hz
Insulation class	H (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	140°C
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### Cables

SUBCAB®	Submersible cable
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### Materials

Outer casing	Galvanized steel
Impeller	Hard-Iron™
Wear parts	Nitrile rubber/Poly-Life
Stator housing	Cast iron
Strainer	Galvanized steel
Shaft	Stainless steel
O-rings	Nitrile rubber
Discharge connection	Cast iron

### Mechanical face seals

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

### Weight & dimensions

Weight (excl. cable)	335 kg
Height	1,048 mm
Width	436 mm

### Options

Stainless Steel impeller
Quick couplings

### Accessories

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

### Rating 50 Hz

- 2,935 rpm
- 23 kW